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**PRELIMINARY HUMAN HEALTH RISK  
ASSESSMENT**  
**1400 NORTH ROYAL STREET, ALEXANDRIA,  
VIRGINIA**

## CONTENTS

<b>1.</b>	<b>INTRODUCTION</b>	<b>3</b>
<b>2.</b>	<b>SITE HISTORY</b>	<b>4</b>
<b>3.</b>	<b>SITE DESCRIPTION AND CURRENT SITE AND SURROUNDING AREA USE</b>	<b>6</b>
<b>4.</b>	<b>RISK ASSESSMENT OVERVIEW</b>	<b>7</b>
4.1	HHRA Data Selection	7
4.2	HHRA Data Useability Evaluation	8
4.3	Risk Evaluation	9
<b>5.</b>	<b>CONCLUSIONS</b>	<b>11</b>
<b>6.</b>	<b>REFERENCES</b>	<b>12</b>

## TABLES

Table 1: Risk Summary

## FIGURES

Figure 1: Site Location Map  
Figure 2: Site Layout Map  
Figure 3: HHRA Soil Sample Locations  
Figure 4: Groundwater Monitoring Network

## APPENDICES

Attachment 1: Analytical Results  
Attachment 2: ProUCL Results  
Attachment 3: VURAM Results

## 1. INTRODUCTION

On behalf of HRP Potomac, LLC (HRP Potomac), Ramboll has prepared this preliminary human health risk assessment (HHRA) of current conditions for property located at 1400 North Royal Street in Alexandria, Virginia (the "Site") (Figure 1). The Site is the location of the former Potomac River Generating Station (PRGS). The Site conditions are being evaluated under the Virginia Department of Environmental Quality (VDEQ) Voluntary Remediation Program (VRP) in support of future Site redevelopment. In addition, an historical petroleum release is being addressed under the VDEQ Petroleum Storage Tank Program.

## 2. SITE HISTORY

The Site was developed as a coal-fired power-generating facility in the 1940s. Prior to the generation station, the Site was mostly vacant but was occupied circa the 1920s to 1940s at the northern end by the Potomac River Clay Works and at the southern end by the American Chlorophyll Company and Green Colors Manufacturing. From the 1940s to 2000, the generating station was operated by various entities as a coal-fired power plant. The Site ceased operations in October 2012. HRP Potomac acquired the Site in the fall of 2020 and plans to redevelop the property for mixed-used development.

Site conditions are being evaluated under two programs with oversight by the VDEQ. An historical release of petroleum (Pollution Complaint No. 2013-3154) from two former 25,000-gallon fuel oil underground storage tanks (USTs) is being addressed pursuant to the VDEQ Petroleum Storage Tank Program. The facility historically used No. 2 fuel oil to preheat its generating unit boilers with coal as its primary fuel to generate electricity. To address the presence of petroleum hydrocarbons in soil and groundwater near the USTs, GenOn (the prior facility owner) conducted investigations and remediation, in coordination with the VDEQ, the National Park System (NPS), and the District of Columbia Department of Energy and Environment (DC DOEE). At least 56 wells (26 shallow and 30 deep) have been installed in the area of the petroleum release. A corrective action plan (CAP) was approved by VDEQ in March 2015 and subsequently implemented at the Site. Corrective action activities included the following:

- Implementation of total phase extraction (TPE) to remove light non-aqueous phase liquid (LNAPL) in the shallow groundwater zone and from overlying soils in and near the smear zone.
- Installation and operation of a pump and treat (P&T) system to remove LNAPL and remediate the dissolved phase plume in deep groundwater in the area of the source zone.
- Installation and operation of a biosparging system to address the dissolved phase plume downgradient of the source area.
- Sealing of six seeps observed at the bulkhead.

On September 29, 2019, the VDEQ approved the discontinuation of active remediation, and the Site transitioned to post-remediation monitoring. A CAP Addendum was approved by VDEQ in September 2021 which limited ongoing post-remediation monitoring to a network of 30 wells and reduced the quarterly sampling to semi-annual sampling. Groundwater monitoring results for the second quarter of 2023 were documented in the Corrective Action Monitoring Report submitted to VDEQ on August 22, 2023<sup>1</sup>. The results from recent groundwater monitoring events indicate that the groundwater conditions are stable, and the concentrations of constituents of concern (COCs) in groundwater at the point of discharge to the Potomac River are less than the remediation goals and the DC DOEE Surface Water Quality Standards.

A separate evaluation of site-wide conditions is being performed pursuant to the Virginia Voluntary Remediation Program (VRP). Preliminary VRP site characterization activities were conducted in October 2021, and a Preliminary Site Characterization Report was submitted to VDEQ and the City of Alexandria in the Spring of 2022. Certain areas of the Site, which are not currently accessible due to

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<sup>1</sup> The fourth quarter 2023 groundwater monitoring event was completed in October 2023; results are currently being tabulated and will be summarized in an annual report.

## PRELIMINARY HUMAN HEALTH RISK ASSESSMENT

the locations of buildings and structures, will be investigated concurrent with or subsequent to demolition of the structures.

Due to the corrective actions employed at the Site, groundwater analytical data collected prior to the completion of the remedial action in September 2019, is not representative of current Site conditions and thus, is not utilized in this preliminary HHRA.

### **3. SITE DESCRIPTION AND CURRENT SITE AND SURROUNDING AREA USE**

HRP Potomac acquired the Site in the fall of 2020 and plans to redevelop the property as mixed-used development, including both commercial and residential uses. The former generating station is no longer operating and will be deconstructed in coordination with redevelopment of the Site. Current Site uses are limited to routine property maintenance and assessment activities in preparation for deconstruction and redevelopment.

The Site is currently improved with a multi-story main power plant building constructed with a basement (Main Plant Building); a covered utility corridor (historically referred to as the "Precipitator Area"); and five coal-fired steam boilers and turbine generators (Units 1 to 5). Supporting features include air emissions equipment, a former (unlined) coal pile area, a clay-lined sediment basin, a rail yard, water treatment facilities, one bottom ash and two fly ash silos, administration offices, an analytical laboratory, and storage facilities and ancillary buildings, which include a maintenance area (Figure 2). The Site is secured with a perimeter fence to prevent trespassing.

The Site is located in an area of mixed residential and commercial land use. Surrounding property uses include an inactive railroad spur and residential and commercial development to the south and west, a Pepco switchyard and parking lot to the northwest, Slaters Lane and a condominium building to the north, and the National Park System (NPS) Mount Vernon Trail and Potomac River to the east. Groundwater at and in the vicinity of the Site is not utilized as a source of potable water.

## 4. RISK ASSESSMENT OVERVIEW

Risk assessment is used to evaluate the likelihood and degree of chemical exposure and the possible adverse health effects associated with such exposure for reasonably expected current and future human populations. This preliminary HHRA quantitatively and conservatively evaluates cancer risks and non-cancer health hazards from exposure to chemicals at the Site based on known Site conditions. The basic steps of the HHRA process are the following:

1. Data collection and analysis (i.e., data evaluation), which evaluates the nature and extent of chemical constituents in environmental media.
2. Exposure assessment, which is an estimate of the reasonable maximum exposure (RME), and an estimation of human chemical intake through exposure routes such as ingestion, inhalation, or skin contact.
3. Toxicity assessment, which is an evaluation of chemical toxicity including cancer risk and non-cancer health effects from exposure to chemicals.
4. Risk characterization, which describes the risks and hazards from the chemical exposures at the Site and the possible adverse health effects associated with such exposure. This information is used to inform risk management decisions at the Site. USEPA sets an acceptable risk range of 1E-06 to 1E-04 for cancer risk, while noncancer risks (i.e., the hazard index [HI]) should not exceed 1.

This HHRA utilizes the Virginia Unified Risk Assessment Model (VURAM) for the evaluation of potential Site risks. VURAM, which was developed by Virginia DEQ, utilizes a conservative approach to ensure that the study area population is not exposed to unacceptable risks. This includes the use of RME (i.e., reasonable worst case) exposure scenarios. The RME is defined as the highest exposure that is reasonably expected to occur at a site.

To assess current baseline conditions, this screening level HHRA evaluates risks in the absence of any additional remedial actions, engineering controls (ECs), or institutional controls (ICs).

### 4.1 HHRA Data Selection

This preliminary HHRA includes soil data collected to date and groundwater data collected between October 2019 and April 2023 (subsequent to remediation activities) as part of site characterization and monitoring activities. These data are described below and locations are depicted on Figure 3.

- In 2015, ten soil samples were collected from monitoring and recovery well boreholes (MW-118S, MW-120<sup>2</sup>, MW-121, MW-122, MW-123S, RW-05S, RW-116S, RW-117S, RW-28S, and RW-30S) installed at the Site as part of investigation activities performed to evaluate a release of heating oil from a former underground storage tank (UST). Surface soil samples (at 0 feet below ground surface [ft bgs]) were collected at MW-118S and RW-117S. Subsurface soil samples were collected from varying depths ranging from 23 to 30 ft bgs, depending on location. Samples were analyzed for select petroleum parameters including benzene, ethylbenzene, toluene, total xylenes (collectively, BTEX), and naphthalene.

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<sup>2</sup> MW-120 could not be installed due to auger refusal. A soil sample was collected from 27 to 28 ft bgs before the borehole was abandoned; this attempted location is depicted between RW-25S and RW-25 (GES 2015).

## PRELIMINARY HUMAN HEALTH RISK ASSESSMENT

- As summarized in the preliminary Site Characterization Report (SCR), in 2021, 49 soil samples and four duplicates were collected from 22 locations at the Site (Ramboll 2022). Surface soil samples were collected from 0 to 1 ft bgs, 0 to 2 ft bgs, and/or 0 to 3 ft bgs, depending on location. Subsurface soil samples were collected from varying depths, with the deepest sample collected from 25 to 30 ft bgs. Soil samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), target analyte list (TAL) metals. Select soil samples were additionally analyzed for the presence of polychlorinated biphenyls (PCBs), cyanide, and/or total petroleum hydrocarbons (TPH) diesel-range organics (DRO), gasoline-range organics (GRO), and oil-range organics (ORO).
- Groundwater samples were collected from four previously existing monitoring wells and nine newly installed monitoring wells as part of the preliminary SCR. Groundwater samples were analyzed for some or all of the following analytes, depending on location: VOCs, SVOCs, PCBs, sulfate, ammonia, total and dissolved TAL metals, glycols, hydrazine, TPH-DRO, TPH-GRO, and TPH-ORO.

Groundwater samples have been collected since October 2021 during routine monitoring activities from a network of 23 wells installed as part of the petroleum release investigation (Figure 4). Groundwater samples were collected for analysis of naphthalene and TPH-DRO. The analytical results for samples described above and included in this evaluation have been summarized in other documents submitted to Virginia DEQ and available as part of the public record for the Site. As such, analytical data reports and discussions of data quality are not included herein. A summary of data utilized to support this preliminary HHRA is included as Attachment 1.

This represents step 1 of the risk assessment process.

#### **4.2 HHRA Data Useability Evaluation**

Data were evaluated to ensure that they were appropriate for use as part of the preliminary HHRA. Usability of the Site characterization data for quantitative risk assessment were considered as follows:

- Constituent concentrations qualified as not detected (i.e., U or UJ qualified data) are evaluated as non-detects.
- Concentrations qualified as estimated (i.e., J qualified data) are included as detected results in the preliminary HHRA.
- Field duplicate samples were collected at the Site. When a constituent is detected in only one sample of a duplicate pair, the detected result is used. When both results in a duplicate pair are detected, the maximum result was used as a conservative measure.
- Select parameters were analyzed by more than one method (e.g., naphthalene analyzed as both a VOC and SVOC). As a conservative measure, where an analyte was detected in a sample by both methods, the highest detected result was included for use in the preliminary HHRA.
- Groundwater samples collected at the Site were analyzed for both total and dissolved metals. As a conservative measure, where an analyte was detected in a sample as both total and dissolved, the highest detected result was included for use in the preliminary HHRA.
- Soil and groundwater samples collected at the Site were analyzed for total chromium. For the purposes of the preliminary HHRA, total chromium results are assumed to be trivalent chromium, as known Site history does not include operations thought to include hexavalent chromium.



- As described above, corrective actions were conducted to remediate groundwater at the Site between 2016 and 2019. As such, only groundwater data that was collected subsequent to termination of remedial activities in October 2019 (i.e., 2020-2023) were considered for use in the preliminary HHRA, as these data are most representative of current Site conditions.

### 4.3 Risk Evaluation

As noted above, the risk calculations for this preliminary HHRA were performed using VURAM. VURAM uses standard inputs to assess exposure, quantify toxicity, and calculate conservative, quantitative human health risk estimates that are based on USEPA guidance for residential and non-residential receptors. This process represents steps 2 through 5 of risk assessment. Specifically, VURAM was used to estimate risks from soil and groundwater for potential exposure by future residents, construction workers, industrial/commercial composite workers, recreators, and trespassers. Noncancer risks are calculated for a “child-only” version of the resident, recreator, and trespasser receptors to ensure the potential risks are understood, as the lower body weight and other exposure factors for a child could make them more sensitive than an adult. The details of the calculations, including exposure factors, modeling assumptions, and risk equations are included in the VURAM User Guide (VDEQ 2022) and are not repeated here. As a conservative estimate of the exposure concentrations in soil and groundwater, the upper confidence limit on the mean (UCL) was calculated using USEPA’s ProUCL software. The outputs from ProUCL are included in Attachment 2. The following assumptions and/or adjustments were made regarding the VURAM risk estimates:

- VURAM uses several toxicity values provided by USEPA as Provisional Peer-Reviewed Toxicity Values (PPRTV) Screening Values. However, PPRTV guidance states that “Screening Values are not defensible as the primary drivers in making cleanup decisions because they are based on limited information.” Thus, the use of screening toxicity values is not appropriate for a preliminary baseline risk assessment, which will contribute to potential remedy decisions, and are not used in this HHRA. In many cases, reviews provided by USEPA under the Integrated Risk Information System (IRIS), which is considered the definitive source of toxicological values, determined that there is inadequate data available to derive these toxicity values, typically due to the quality of the studies available. Therefore, constituents where risk estimates are based on PPRTV screening values [benzo(a)pyrene, 1,1-biphenyl, dibenzofuran, methyl acetate, propylbenzene, sec-butylbenzene, and thallium] were excluded from the calculations performed in VURAM.
- Soil and groundwater samples collected at the Site were analyzed for total chromium. Total chromium results are assumed to be representative of the more common, trivalent form of chromium, as known Site history does not include operations or chemical use known to be associated with, or result in, hexavalent chromium.
- Groundwater beneath the Site is not a source of drinking water at the Site or at off-Site properties in the vicinity of the Site. No water production wells are in use at the Site, and potable water at the Site and for surrounding area properties is supplied by Virginia American Water, which obtains potable water from surface water sources that do not include the Potomac River adjacent the Site. There are plans to establish ICs as part of corrective measures to prohibit potable and non-potable use (e.g., in manufacturing operations) of on-site groundwater. Additionally, as described in the preliminary SCR (Ramboll 2022) groundwater generally flows east toward the Potomac River and would not migrate off-Site towards buildings or residences. Therefore, this preliminary HHRA does not include an evaluation of groundwater exposures for residents and composite workers as VURAM risks are based on tapwater exposure factors.

## PRELIMINARY HUMAN HEALTH RISK ASSESSMENT

- The HHRA dataset includes the described soil samples collected in 2015 and 2021 at all depths (i.e., ground surface to maximum sampled depth of approximately 30 ft). By including all soil samples, the HHRA evaluates current and potential future exposures in the absence of existing buildings and pavement, ICs, and in the case that subsurface soil is brought to the surface as part of site redevelopment.

The results of the VURAM risk calculations are shown in Table 1. The detailed VURAM outputs are included in Attachment 3.

<b>Table 1. Risk Summary</b>						
<b>Receptor</b>	<b>Soil</b>		<b>Groundwater</b>		<b>Total</b>	
	<b>Risk</b>	<b>HI</b>	<b>Risk</b>	<b>HI</b>	<b>Risk</b>	<b>HI</b>
Resident	2.06E-05	3.01E-01	NA	NA	2.06E-05	3.01E-01
Resident – Child Only	NA	<b>2.52E+00</b>	NA	NA	NA	<b>2.52E+00</b>
Construction Worker	3.21E-07	2.43E-01	1.96E-06	7.55E-01	2.28E-06	9.99E-01
Composite Worker	3.65E-06	1.82E-01	NA	NA	3.65E-06	1.82E-01
Recreator	1.10E-05	1.33E-01	NA	NA	1.10E-05	1.33E-01
Recreator– Child Only	NA	<b>1.37E+00</b>	NA	NA	NA	<b>1.37E+00</b>
Trespasser	1.35E-06	1.63E-02	NA	NA	1.35E-06	1.63E-02
Trespasser – Child Only	NA	1.68E-01	NA	NA	NA	1.68E-01
Note: Cumulative risks calculated above the cumulative cancer risk of or 1E-04 and HI of 1 are bolded.						

USEPA guidance and VURAM use a default cumulative cancer risk limit of 1E-04 and a HI of 1. Sites with calculated preliminary cancer risk in excess of 1E-04 or HI of 1 require further evaluation, which might include more robust, site-specific risk assessment. Preliminary HHRA results indicate a HI that exceeds 1 for exposure to soil by a resident child or child recreator. Iron (48%/49%), cobalt (18%), arsenic (10%), and aluminum (5%) contributed the highest percentage of the cumulative HI for child resident and child recreator soil exposure. The concentrations of these metals detected in soil samples from the Site may be consistent with background concentrations; however, these constituents were conservatively retained for quantitative evaluation in this risk assessment. This approach may overestimate actual risk estimates for future child residents and recreators. No unacceptable risk was indicated for remaining exposure pathways and receptors.

## 5. CONCLUSIONS

The preliminary HHRA identified potentially unacceptable noncancer risk for a child resident or child recreator exposed to Site soil. These risks are driven by metals in soil which may be present at concentrations consistent with background. Accordingly, the noncancer risks presented in this risk assessment may overestimate actual risk. Further evaluation of background concentrations in the area may be conducted, and this risk assessment may be updated based on those results. Currently, the Site is fully fenced with a locking gate to prevent access to the Site. Based on the preliminary calculations, further evaluation, mitigation, and/or remediation is appropriate prior to redevelopment of the Site for mixed use, residential use, or recreational use. However, results indicate that current Site use does not pose unacceptable risk. Further, the preliminary HHRA results indicate no unacceptable risks to future construction workers or subsurface utility workers at the Site during redevelopment. As described above, the preliminary HHRA does not include an evaluation of risk posed by vapor intrusion because it is anticipated that Site soils will be redistributed across the Site during future construction; the potential risk relating to vapor intrusion to indoor air will be evaluated following Site grading. Health and safety procedures and monitoring performed during future soil excavation activities will be protective of construction workers in excavations or trenches. In addition, HRP Potomac anticipates the conduct of dust monitoring during future Site deconstruction activities to document that dust is not migrating beyond the property boundaries at concentrations of concern.

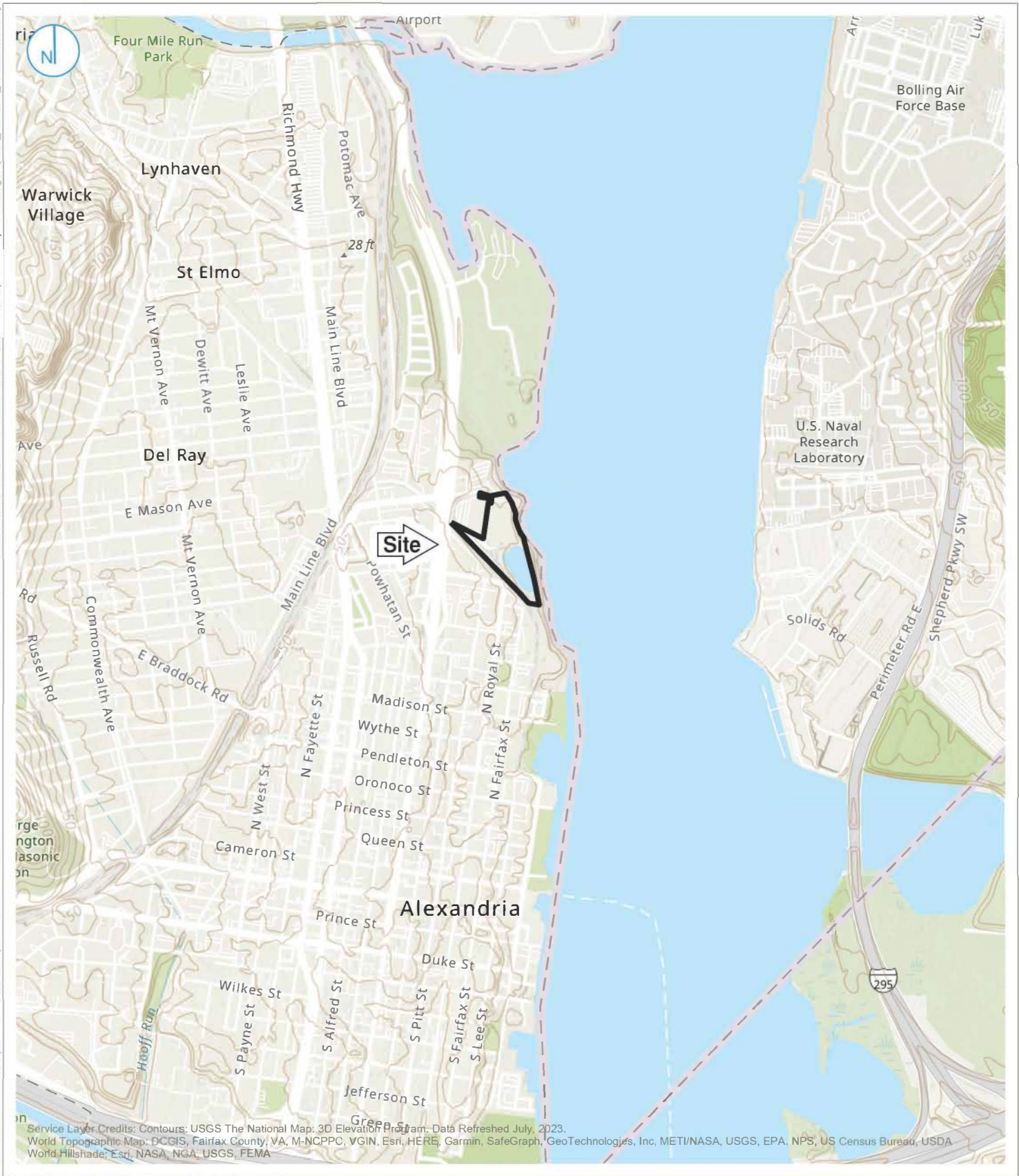
## **6. REFERENCES**

Groundwater & Environmental Services, Inc. (GES). 2015. 3rd Quarter CAP Implementation Monitoring Report: October 2015. October 30.

Ramboll. 2022. Preliminary Site Characterization Report: Former Potomac River Generating Station. March.

Virginia Department of Environmental Quality (VDEQ). 2022. Virginia Unified Risk Assessment Model (VURAM) User Guide for Risk Assessors. August.

**FIGURES**

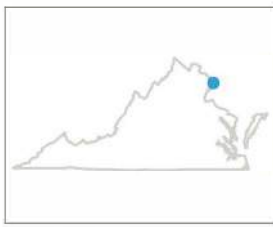


Service Layer Credits: Contours: USGS The National Map; 3D Elevation Program; Data Refreshed July, 2023.  
 World Topographic Map: DCGIS, Fairfax County, VA, M-NCPPC, VGIN, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA  
 World Hillshade: Esri, NASA, NGA, USGS, FEMA

Map Scale: 1:24,000 | Map Center: 77°2'26"W 38°49'4"N

### SITE LOCATION MAP

FIGURE 1



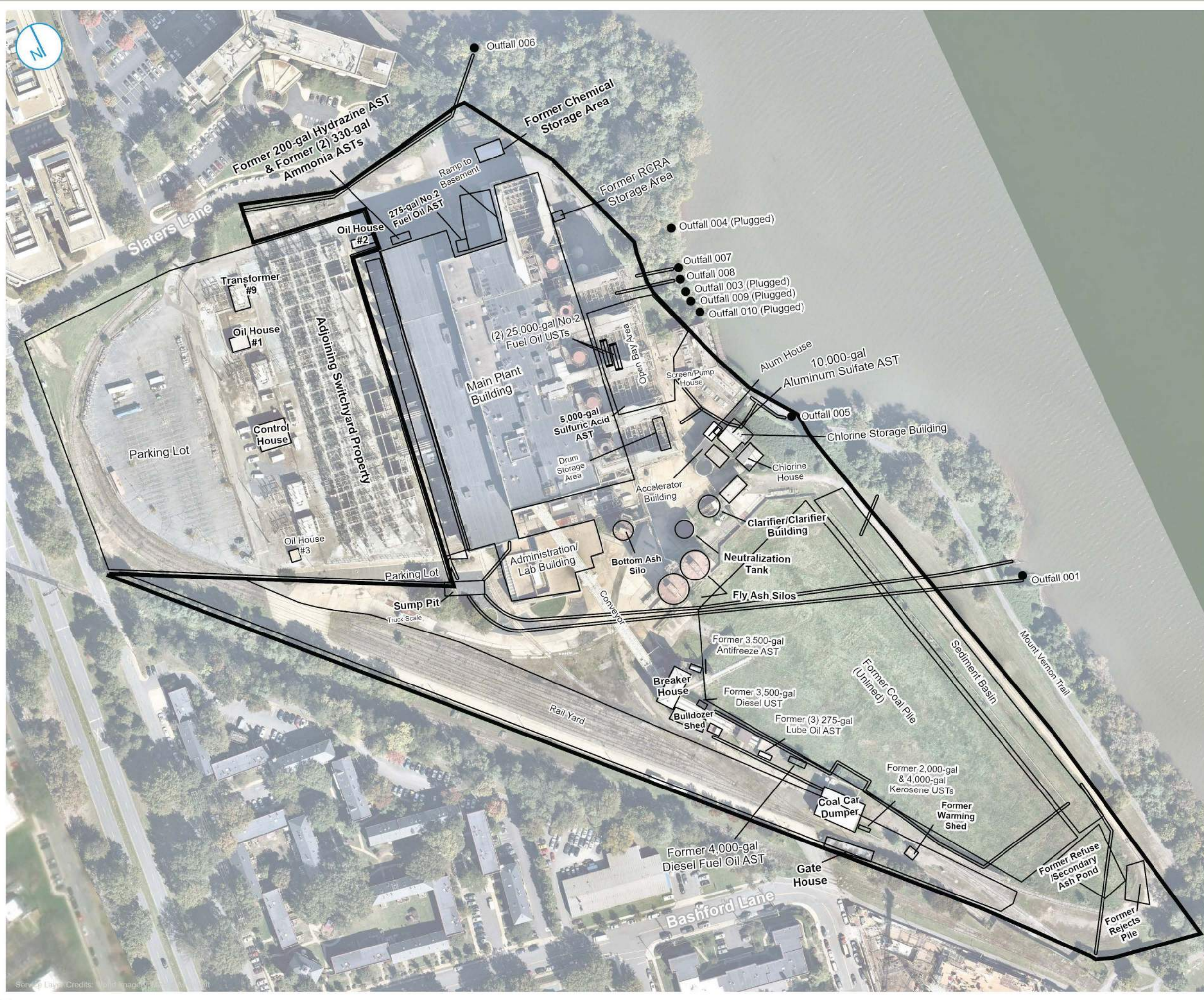
0 500 1,000  
 Feet

**Former Potomac River Generating Station**  
 1400 North Royal Street  
 Alexandria, Virginia 22314

RAMBOLL AMERICAS  
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- Outfall Locations
- Site Boundary
- Site Features



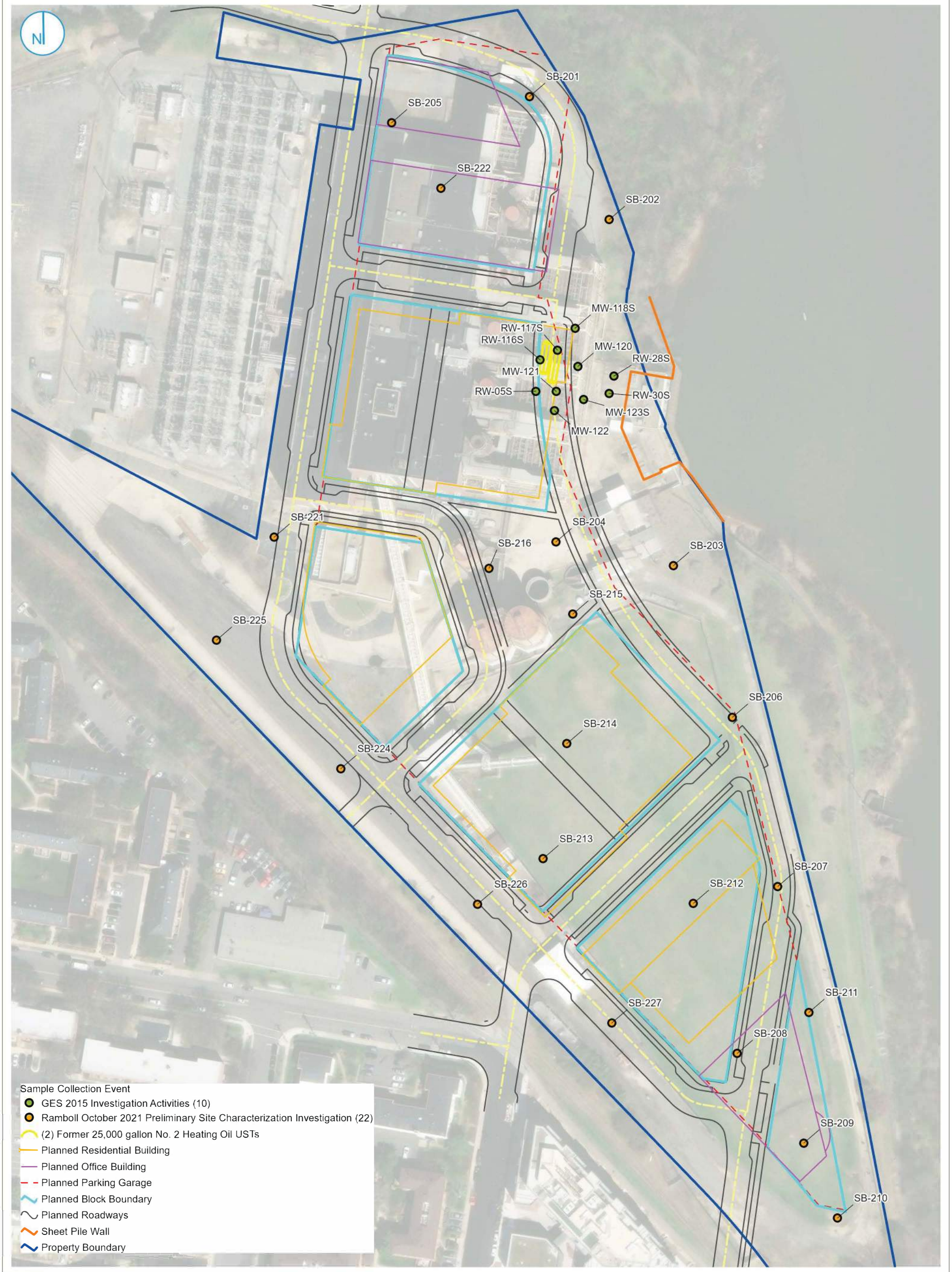
**SITE LAYOUT MAP**

**Former Potomac River Generating Station**  
1400 North Royal Street  
Alexandria, VA 22314

**FIGURE 2**







**Notes**

- MW-120 could not be installed due to auger refusal. A soil sample was collected from 27 to 28 ft bgs before the borehole was abandoned; this attempted location is approximate and is depicted between RW-25S and RW-25 (GES 2015).
- All redevelopment plans depicted herein are preliminary and subject to change.

**HHRA SOIL SAMPLE LOCATIONS**

**FIGURE 3**



**Former Potomac River Generating Station**  
 1400 North Royal Street  
 Alexandria, VA 22314

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- Aquifer Designation, Monitoring Frequency**
- ⊕ Shallow Zone, Quarterly Gauging Only
  - ⊕ Shallow Zone, Semi-Annual and Annual Monitoring
  - ⊕ Shallow Zone, Annual Monitoring
  - ⊕ Deep Zone, Quarterly Gauging Only
  - ⊕ Deep Zone, Semi-Annual and Annual Monitoring
  - ⊕ Deep Zone, Annual Monitoring
  - ⊕ Abandoned Well
- ▭ Former UST  
▭ Sheet Pile Wall  
 Property Boundary

## GROUNDWATER MONITORING WELL NETWORK

FIGURE 4

**Former Potomac River Generating Station**  
 1400 North Royal Street  
 Alexandria, VA 22314

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**ATTACHMENT 1**  
**Analytical Results**

**Attachment 1-1** – Soil Concentrations

**Attachment 1-2** – Groundwater Concentrations

**ATTACHMENT 1-1  
SOIL CONCENTRATIONS**

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
RW-28S	N	27	27	07/06/15	SVOC	Naphthalene	91-20-3	5.30E-02		4.00E-03	8.6E+01	6.2E-04	2.0E+01	2.7E-03
RW-30S	N	28	29	06/23/15	VOC	Benzene	71-43-2		U	2.30E-01	5.1E+01		1.2E+01	
RW-30S	N	28	29	06/23/15	VOC	Ethyl Benzene	100-41-4		U	2.30E-01	2.5E+02		5.8E+01	
RW-30S	N	28	29	06/23/15	VOC	Toluene	108-88-3		U	2.30E-01	4.7E+04		4.9E+03	
RW-30S	N	28	29	06/23/15	VOC	Xylenes (total)	1330-20-7		U	2.30E-01	2.5E+03		5.8E+02	
RW-30S	N	28	29	06/23/15	SVOC	Naphthalene	91-20-3	1.50E-01	J	2.30E-01	8.6E+01	1.7E-03	2.0E+01	7.5E-03
SB-201	N		1	10/05/21	VOC	1,2-Dichlorobenzene	95-50-1		U	4.30E-01	9.3E+03		1.8E+03	
SB-201	N		1	10/05/21	VOC	1,3-Dichlorobenzene	541-73-1		U	4.30E-01	1.1E+02		2.6E+01	
SB-201	N		1	10/05/21	VOC	1,4-Dichlorobenzene	106-46-7		U	4.30E-01	1.1E+02		2.6E+01	
SB-201	N		1	10/05/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	4.30E-01	2.6E+02		5.8E+01	
SB-201	N		1	10/05/21	SVOC	Acenaphthene	83-32-9		U	2.10E-01	4.5E+04		3.6E+03	
SB-201	N		1	10/05/21	SVOC	Acenaphthylene	208-96-8		U	2.10E-01	2.3E+04		1.8E+03	
SB-201	N		1	10/05/21	SVOC	Acetophenone	98-86-2		U	4.30E-01	1.2E+05		7.8E+03	
SB-201	N		1	10/05/21	SVOC	Aniline	62-53-3		U	4.30E-01	4.0E+03		4.4E+02	
SB-201	N		1	10/05/21	SVOC	Anthracene	120-12-7		U	2.10E-01	2.3E+05		1.8E+04	
SB-201	N		1	10/05/21	SVOC	Benzidine	92-87-5		U	8.30E-01	1.0E-01		5.3E-03	
SB-201	N		1	10/05/21	SVOC	Benzo(a)anthracene	56-55-3		U	2.10E-01	2.1E+02		1.1E+01	
SB-201	N		1	10/05/21	SVOC	Benzo(a)pyrene	50-32-8		U	2.10E-01	2.1E+01		1.1E+00	
SB-201	N		1	10/05/21	SVOC	Benzo(b)fluoranthene	205-99-2	6.90E-02	J	2.10E-01	2.1E+02	3.3E-04	1.1E+01	6.3E-03
SB-201	N		1	10/05/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	2.10E-01	2.3E+04		1.8E+03	
SB-201	N		1	10/05/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	2.10E-01	2.1E+03		1.1E+02	
SB-201	N		1	10/05/21	SVOC	Benzoic Acid	65-85-0		U	1.30E+00	3.3E+06		2.5E+05	
SB-201	N		1	10/05/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	4.30E-01	2.5E+03		1.9E+02	
SB-201	N		1	10/05/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	4.30E-01	1.0E+01		2.3E+00	
SB-201	N		1	10/05/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	4.30E-01	1.6E+03		3.9E+02	
SB-201	N		1	10/05/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	4.30E-01				
SB-201	N		1	10/05/21	SVOC	Butylbenzylphthalate	85-68-7		U	4.30E-01	1.2E+04		2.9E+03	
SB-201	N		1	10/05/21	SVOC	Carbazole	86-74-8		U	2.10E-01	3.0E+04		2.4E+03	
SB-201	N		1	10/05/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	8.30E-01	8.2E+04		6.3E+03	
SB-201	N		1	10/05/21	SVOC	4-Chloroaniline	106-47-8		U	8.30E-01	1.1E+02		2.7E+01	
SB-201	N		1	10/05/21	SVOC	2-Chloronaphthalene	91-58-7		U	4.30E-01	6.0E+04		4.8E+03	
SB-201	N		1	10/05/21	SVOC	2-Chlorophenol	95-57-8		U	4.30E-01	5.8E+03		3.9E+02	
SB-201	N		1	10/05/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	4.30E-01				
SB-201	N		1	10/05/21	SVOC	Chrysene	218-01-9	6.30E-02	J	2.10E-01	2.1E+04	3.0E-06	1.1E+03	5.7E-05
SB-201	N		1	10/05/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	2.10E-01	2.1E+01		1.1E+00	
SB-201	N		1	10/05/21	SVOC	Dibenzofuran	132-64-9		U	4.30E-01	1.2E+03		7.8E+01	
SB-201	N		1	10/05/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	2.10E-01	5.1E+01		1.2E+01	
SB-201	N		1	10/05/21	SVOC	2,4-Dichlorophenol	120-83-2		U	4.30E-01	2.5E+03		1.9E+02	
SB-201	N		1	10/05/21	SVOC	Diethylphthalate	84-66-2		U	4.30E-01	6.6E+05		5.1E+04	
SB-201	N		1	10/05/21	SVOC	2,4-Dimethylphenol	105-67-9		U	4.30E-01	1.6E+04		1.3E+03	
SB-201	N		1	10/05/21	SVOC	Dimethylphthalate	131-11-3		U	4.30E-01	6.6E+05		5.1E+04	
SB-201	N		1	10/05/21	SVOC	Di-n-butylphthalate	84-74-2		U	4.30E-01	8.2E+04		6.3E+03	
SB-201	N		1	10/05/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	4.30E-01	6.6E+01		5.1E+00	
SB-201	N		1	10/05/21	SVOC	2,4-Dinitrophenol	51-28-5		U	8.30E-01	1.6E+03		1.3E+02	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-201	N		1	10/05/21	SVOC	Di-n-octylphthalate	117-84-0		U	4.30E-01	8.2E+03		6.3E+02	
SB-201	N		1	10/05/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	4.30E-01	2.9E+01		6.8E+00	
SB-201	N		1	10/05/21	SVOC	Fluoranthene	206-44-0	7.20E-02	J	2.10E-01	3.0E+04	2.4E-06	2.4E+03	3.0E-05
SB-201	N		1	10/05/21	SVOC	Fluorene	86-73-7		U	2.10E-01	3.0E+04		2.4E+03	
SB-201	N		1	10/05/21	SVOC	Hexachlorobenzene	118-74-1		U	4.30E-01	9.6E+00		7.8E-01	
SB-201	N		1	10/05/21	SVOC	Hexachlorobutadiene	87-68-3		U	4.30E-01	5.3E+01		1.2E+01	
SB-201	N		1	10/05/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	4.30E-01	7.5E+00		1.8E+00	
SB-201	N		1	10/05/21	SVOC	Hexachloroethane	67-72-1		U	4.30E-01	8.0E+01		1.8E+01	
SB-201	N		1	10/05/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	2.10E-01	2.1E+02		1.1E+01	
SB-201	N		1	10/05/21	SVOC	Isophorone	78-59-1		U	4.30E-01	2.4E+04		5.7E+03	
SB-201	N		1	10/05/21	SVOC	1-Methylnaphthalene	90-12-0	7.20E-02	J	2.10E-01	7.3E+02	9.9E-05	1.8E+02	4.0E-04
SB-201	N		1	10/05/21	SVOC	2-Methylnaphthalene	91-57-6	1.20E-01	J	2.10E-01	3.0E+03	4.0E-05	2.4E+02	5.0E-04
SB-201	N		1	10/05/21	SVOC	2-Methylphenol	95-48-7		U	4.30E-01	4.1E+04		3.2E+03	
SB-201	N		1	10/05/21	SVOC	3&4-Methylphenol	65794-96-9		U	4.30E-01				
SB-201	N		1	10/05/21	SVOC	Naphthalene	91-20-3		U	2.10E-01	8.6E+01		2.0E+01	
SB-201	N		1	10/05/21	SVOC	2-Nitroaniline	88-74-4		U	4.30E-01	8.0E+03		6.3E+02	
SB-201	N		1	10/05/21	SVOC	3-Nitroaniline	99-09-2		U	4.30E-01	1.1E+03		2.5E+02	
SB-201	N		1	10/05/21	SVOC	4-Nitroaniline	100-01-6		U	4.30E-01	1.1E+03		2.5E+02	
SB-201	N		1	10/05/21	SVOC	2-Nitrophenol	88-75-5		U	4.30E-01				
SB-201	N		1	10/05/21	SVOC	4-Nitrophenol	100-02-7		U	8.30E-01				
SB-201	N		1	10/05/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	4.30E-01	3.4E-01		2.0E-02	
SB-201	N		1	10/05/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	4.30E-01	4.7E+03		1.1E+03	
SB-201	N		1	10/05/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	4.30E-01	3.3E+00		7.8E-01	
SB-201	N		1	10/05/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	4.30E-01	4.7E+04		3.1E+03	
SB-201	N		1	10/05/21	SVOC	Pentachloronitrobenzene	82-68-8		U	4.30E-01	1.3E+02		2.7E+01	
SB-201	N		1	10/05/21	SVOC	Pentachlorophenol	87-86-5		U	4.30E-01	4.0E+01		1.0E+01	
SB-201	N		1	10/05/21	SVOC	Phenanthrene	85-01-8	7.70E-02	J	2.10E-01	2.3E+04	3.3E-06	1.8E+03	4.3E-05
SB-201	N		1	10/05/21	SVOC	Phenol	108-95-2		U	4.30E-01	2.5E+05		1.9E+04	
SB-201	N		1	10/05/21	SVOC	Pyrene	129-00-0	7.90E-02	J	2.10E-01	2.3E+04	3.4E-06	1.8E+03	4.4E-05
SB-201	N		1	10/05/21	SVOC	Pyridine	110-86-1		U	4.30E-01	1.2E+03		7.8E+01	
SB-201	N		1	10/05/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	4.30E-01	3.5E+01		2.3E+00	
SB-201	N		1	10/05/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	4.30E-01	8.2E+04		6.3E+03	
SB-201	N		1	10/05/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	4.30E-01	8.2E+02		6.3E+01	
SB-201	N		1	10/05/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	4.30E-01	7.4E+01		1.7E+01	
SB-201	N		1	10/05/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	4.30E-01	1.5E+01		3.6E+00	
SB-201	N		1	10/05/21	NITRO	Nitrobenzene	98-95-3		U	4.30E-01	2.2E+02		5.1E+01	
SB-201	N		1	10/05/21	INORG	Aluminum	7429-90-5	7.70E+03		2.00E+01	1.1E+06	7.0E-03	7.7E+04	1.0E-01
SB-201	N		1	10/05/21	INORG	Antimony	7440-36-0		U	2.00E+00	4.7E+02		3.1E+01	
SB-201	N		1	10/05/21	INORG	Arsenic	7440-38-2	2.50E+01		4.10E+00	3.0E+01	8.3E-01	6.8E+00	<b>3.7E+00</b>
SB-201	N		1	10/05/21	INORG	Barium	7440-39-3	4.20E+01		2.00E+00	2.2E+05	1.9E-04	1.5E+04	2.8E-03
SB-201	N		1	10/05/21	INORG	Beryllium	7440-41-7	3.50E-01		2.00E-01	2.3E+03	1.5E-04	1.6E+02	2.2E-03
SB-201	N		1	10/05/21	INORG	Cadmium	7440-43-9	6.00E-01		4.10E-01	1.0E+02	6.0E-03	7.1E+00	8.5E-02
SB-201	N		1	10/05/21	INORG	Chromium (total)	7440-47-3	1.90E+01		8.10E-01	1.8E+06	1.1E-05	1.2E+05	1.6E-04
SB-201	N		1	10/05/21	INORG	Cobalt	7440-48-4	5.10E+00		2.00E+00	3.5E+02	1.5E-02	2.3E+01	2.2E-01

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-201	N		1	10/05/21	INORG	Copper	7440-50-8	1.60E+01		8.10E-01	4.7E+04	3.4E-04	3.1E+03	5.2E-03
SB-201	N		1	10/05/21	INORG	Iron	7439-89-6	2.50E+04		4.10E+02	8.2E+05	3.0E-02	5.5E+04	4.5E-01
SB-201	N		1	10/05/21	INORG	Lead	7439-92-1	1.40E+01		6.10E-01	8.0E+02	1.8E-02	2.0E+02	7.0E-02
SB-201	N		1	10/05/21	INORG	Manganese	7439-96-5	5.40E+01		4.10E-01	2.6E+04	2.1E-03	1.8E+03	3.0E-02
SB-201	N		1	10/05/21	INORG	Mercury	7439-97-6	5.00E-02		3.20E-02	4.1E+01	1.2E-03	7.4E+00	6.7E-03
SB-201	N		1	10/05/21	INORG	Nickel	7440-02-0	7.90E+00		8.10E-01	2.2E+04	3.6E-04	1.5E+03	5.3E-03
SB-201	N		1	10/05/21	INORG	Selenium	7782-49-2		U	4.10E+00	5.8E+03		3.9E+02	
SB-201	N		1	10/05/21	INORG	Silver	7440-22-4		U	4.10E-01	5.8E+03		3.9E+02	
SB-201	N		1	10/05/21	INORG	Thallium	7440-28-0	1.30E+00	J	2.00E+00	1.2E+01	1.1E-01	7.8E-01	1.7E+00
SB-201	N		1	10/05/21	INORG	Vanadium	7440-62-2	3.00E+01		8.10E-01	5.8E+03	5.2E-03	3.9E+02	7.7E-02
SB-201	N		1	10/05/21	INORG	Zinc	7440-66-6	2.20E+01		8.10E-01	3.5E+05	6.3E-05	2.3E+04	9.6E-04
SB-201	FD		1	10/08/21	VOC	1,2-Dichlorobenzene	95-50-1		U	4.00E-01	9.3E+03		1.8E+03	
SB-201	FD		1	10/08/21	VOC	1,3-Dichlorobenzene	541-73-1		U	4.00E-01	1.1E+02		2.6E+01	
SB-201	FD		1	10/08/21	VOC	1,4-Dichlorobenzene	106-46-7		U	4.00E-01	1.1E+02		2.6E+01	
SB-201	FD		1	10/08/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	4.00E-01	2.6E+02		5.8E+01	
SB-201	FD		1	10/08/21	SVOC	Acenaphthene	83-32-9		U	2.00E-01	4.5E+04		3.6E+03	
SB-201	FD		1	10/08/21	SVOC	Acenaphthylene	208-96-8		U	2.00E-01	2.3E+04		1.8E+03	
SB-201	FD		1	10/08/21	SVOC	Acetophenone	98-86-2		U	4.00E-01	1.2E+05		7.8E+03	
SB-201	FD		1	10/08/21	SVOC	Aniline	62-53-3		U	4.00E-01	4.0E+03		4.4E+02	
SB-201	FD		1	10/08/21	SVOC	Anthracene	120-12-7		U	2.00E-01	2.3E+05		1.8E+04	
SB-201	FD		1	10/08/21	SVOC	Benzidine	92-87-5		U	7.80E-01	1.0E-01		5.3E-03	
SB-201	FD		1	10/08/21	SVOC	Benzo(a)anthracene	56-55-3		U	2.00E-01	2.1E+02		1.1E+01	
SB-201	FD		1	10/08/21	SVOC	Benzo(a)pyrene	50-32-8		U	2.00E-01	2.1E+01		1.1E+00	
SB-201	FD		1	10/08/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	2.00E-01	2.1E+02		1.1E+01	
SB-201	FD		1	10/08/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	2.00E-01	2.3E+04		1.8E+03	
SB-201	FD		1	10/08/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	2.00E-01	2.1E+03		1.1E+02	
SB-201	FD		1	10/08/21	SVOC	Benzoic Acid	65-85-0		U	1.20E+00	3.3E+06		2.5E+05	
SB-201	FD		1	10/08/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	4.00E-01	2.5E+03		1.9E+02	
SB-201	FD		1	10/08/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	4.00E-01	1.0E+01		2.3E+00	
SB-201	FD		1	10/08/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	4.00E-01	1.6E+03		3.9E+02	
SB-201	FD		1	10/08/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	4.00E-01				
SB-201	FD		1	10/08/21	SVOC	Butylbenzylphthalate	85-68-7		U	4.00E-01	1.2E+04		2.9E+03	
SB-201	FD		1	10/08/21	SVOC	Carbazole	86-74-8		U	2.00E-01	3.0E+04		2.4E+03	
SB-201	FD		1	10/08/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.80E-01	8.2E+04		6.3E+03	
SB-201	FD		1	10/08/21	SVOC	4-Chloroaniline	106-47-8		U	7.80E-01	1.1E+02		2.7E+01	
SB-201	FD		1	10/08/21	SVOC	2-Chloronaphthalene	91-58-7		U	4.00E-01	6.0E+04		4.8E+03	
SB-201	FD		1	10/08/21	SVOC	2-Chlorophenol	95-57-8		U	4.00E-01	5.8E+03		3.9E+02	
SB-201	FD		1	10/08/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	4.00E-01				
SB-201	FD		1	10/08/21	SVOC	Chrysene	218-01-9		U	2.00E-01	2.1E+04		1.1E+03	
SB-201	FD		1	10/08/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	2.00E-01	2.1E+01		1.1E+00	
SB-201	FD		1	10/08/21	SVOC	Dibenzofuran	132-64-9		U	4.00E-01	1.2E+03		7.8E+01	
SB-201	FD		1	10/08/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	2.00E-01	5.1E+01		1.2E+01	
SB-201	FD		1	10/08/21	SVOC	2,4-Dichlorophenol	120-83-2		U	4.00E-01	2.5E+03		1.9E+02	
SB-201	FD		1	10/08/21	SVOC	Diethylphthalate	84-66-2		U	4.00E-01	6.6E+05		5.1E+04	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-201	FD		1	10/08/21	SVOC	2,4-Dimethylphenol	105-67-9		U	4.00E-01	1.6E+04		1.3E+03	
SB-201	FD		1	10/08/21	SVOC	Dimethylphthalate	131-11-3		U	4.00E-01	6.6E+05		5.1E+04	
SB-201	FD		1	10/08/21	SVOC	Di-n-butylphthalate	84-74-2		U	4.00E-01	8.2E+04		6.3E+03	
SB-201	FD		1	10/08/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	4.00E-01	6.6E+01		5.1E+00	
SB-201	FD		1	10/08/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.80E-01	1.6E+03		1.3E+02	
SB-201	FD		1	10/08/21	SVOC	Di-n-octylphthalate	117-84-0		U	4.00E-01	8.2E+03		6.3E+02	
SB-201	FD		1	10/08/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	4.00E-01	2.9E+01		6.8E+00	
SB-201	FD		1	10/08/21	SVOC	Fluoranthene	206-44-0		U	2.00E-01	3.0E+04		2.4E+03	
SB-201	FD		1	10/08/21	SVOC	Fluorene	86-73-7		U	2.00E-01	3.0E+04		2.4E+03	
SB-201	FD		1	10/08/21	SVOC	Hexachlorobenzene	118-74-1		U	4.00E-01	9.6E+00		7.8E-01	
SB-201	FD		1	10/08/21	SVOC	Hexachlorobutadiene	87-68-3		U	4.00E-01	5.3E+01		1.2E+01	
SB-201	FD		1	10/08/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	4.00E-01	7.5E+00		1.8E+00	
SB-201	FD		1	10/08/21	SVOC	Hexachloroethane	67-72-1		U	4.00E-01	8.0E+01		1.8E+01	
SB-201	FD		1	10/08/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	2.00E-01	2.1E+02		1.1E+01	
SB-201	FD		1	10/08/21	SVOC	Isophorone	78-59-1		U	4.00E-01	2.4E+04		5.7E+03	
SB-201	FD		1	10/08/21	SVOC	1-Methylnaphthalene	90-12-0		U	2.00E-01	7.3E+02		1.8E+02	
SB-201	FD		1	10/08/21	SVOC	2-Methylnaphthalene	91-57-6		U	2.00E-01	3.0E+03		2.4E+02	
SB-201	FD		1	10/08/21	SVOC	2-Methylphenol	95-48-7		U	4.00E-01	4.1E+04		3.2E+03	
SB-201	FD		1	10/08/21	SVOC	3&4-Methylphenol	65794-96-9		U	4.00E-01				
SB-201	FD		1	10/08/21	SVOC	Naphthalene	91-20-3		U	2.00E-01	8.6E+01		2.0E+01	
SB-201	FD		1	10/08/21	SVOC	2-Nitroaniline	88-74-4		U	4.00E-01	8.0E+03		6.3E+02	
SB-201	FD		1	10/08/21	SVOC	3-Nitroaniline	99-09-2		U	4.00E-01	1.1E+03		2.5E+02	
SB-201	FD		1	10/08/21	SVOC	4-Nitroaniline	100-01-6		U	4.00E-01	1.1E+03		2.5E+02	
SB-201	FD		1	10/08/21	SVOC	2-Nitrophenol	88-75-5		U	4.00E-01				
SB-201	FD		1	10/08/21	SVOC	4-Nitrophenol	100-02-7		U	7.80E-01				
SB-201	FD		1	10/08/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	4.00E-01	3.4E-01		2.0E-02	
SB-201	FD		1	10/08/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	4.00E-01	4.7E+03		1.1E+03	
SB-201	FD		1	10/08/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	4.00E-01	3.3E+00		7.8E-01	
SB-201	FD		1	10/08/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	4.00E-01	4.7E+04		3.1E+03	
SB-201	FD		1	10/08/21	SVOC	Pentachloronitrobenzene	82-68-8		U	4.00E-01	1.3E+02		2.7E+01	
SB-201	FD		1	10/08/21	SVOC	Pentachlorophenol	87-86-5		U	4.00E-01	4.0E+01		1.0E+01	
SB-201	FD		1	10/08/21	SVOC	Phenanthrene	85-01-8		U	2.00E-01	2.3E+04		1.8E+03	
SB-201	FD		1	10/08/21	SVOC	Phenol	108-95-2		U	4.00E-01	2.5E+05		1.9E+04	
SB-201	FD		1	10/08/21	SVOC	Pyrene	129-00-0		U	2.00E-01	2.3E+04		1.8E+03	
SB-201	FD		1	10/08/21	SVOC	Pyridine	110-86-1		U	4.00E-01	1.2E+03		7.8E+01	
SB-201	FD		1	10/08/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	4.00E-01	3.5E+01		2.3E+00	
SB-201	FD		1	10/08/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	4.00E-01	8.2E+04		6.3E+03	
SB-201	FD		1	10/08/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	4.00E-01	8.2E+02		6.3E+01	
SB-201	FD		1	10/08/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	4.00E-01	7.4E+01		1.7E+01	
SB-201	FD		1	10/08/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	4.00E-01	1.5E+01		3.6E+00	
SB-201	FD		1	10/08/21	NITRO	Nitrobenzene	98-95-3		U	4.00E-01	2.2E+02		5.1E+01	
SB-201	FD		1	10/08/21	INORG	Aluminum	7429-90-5	8.30E+03		2.00E+01	1.1E+06	7.5E-03	7.7E+04	1.1E-01
SB-201	FD		1	10/08/21	INORG	Antimony	7440-36-0		U	1.90E+00	4.7E+02		3.1E+01	
SB-201	FD		1	10/08/21	INORG	Arsenic	7440-38-2	7.40E+00		3.80E+00	3.0E+01	2.5E-01	6.8E+00	1.1E+00

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-201	FD		1	10/08/21	INORG	Barium	7440-39-3	9.10E+01		1.90E+00	2.2E+05	4.1E-04	1.5E+04	6.1E-03
SB-201	FD		1	10/08/21	INORG	Beryllium	7440-41-7	8.80E-01		1.90E-01	2.3E+03	3.8E-04	1.6E+02	5.5E-03
SB-201	FD		1	10/08/21	INORG	Cadmium	7440-43-9		U	3.80E-01	1.0E+02		7.1E+00	
SB-201	FD		1	10/08/21	INORG	Chromium (total)	7440-47-3	1.90E+01		7.70E-01	1.8E+06	1.1E-05	1.2E+05	1.6E-04
SB-201	FD		1	10/08/21	INORG	Cobalt	7440-48-4	9.50E+00		1.90E+00	3.5E+02	2.7E-02	2.3E+01	4.1E-01
SB-201	FD		1	10/08/21	INORG	Copper	7440-50-8	1.50E+01		7.70E-01	4.7E+04	3.2E-04	3.1E+03	4.8E-03
SB-201	FD		1	10/08/21	INORG	Iron	7439-89-6	3.10E+04		3.80E+02	8.2E+05	3.8E-02	5.5E+04	5.6E-01
SB-201	FD		1	10/08/21	INORG	Lead	7439-92-1	1.90E+01		5.80E-01	8.0E+02	2.4E-02	2.0E+02	9.5E-02
SB-201	FD		1	10/08/21	INORG	Manganese	7439-96-5	2.10E+02		3.80E-01	2.6E+04	8.1E-03	1.8E+03	1.2E-01
SB-201	FD		1	10/08/21	INORG	Mercury	7439-97-6	2.90E-02	J	3.20E-02	4.1E+01	7.1E-04	7.4E+00	3.9E-03
SB-201	FD		1	10/08/21	INORG	Nickel	7440-02-0	1.60E+01		7.70E-01	2.2E+04	7.3E-04	1.5E+03	1.1E-02
SB-201	FD		1	10/08/21	INORG	Selenium	7782-49-2		U	3.80E+00	5.8E+03		3.9E+02	
SB-201	FD		1	10/08/21	INORG	Silver	7440-22-4		U	3.80E-01	5.8E+03		3.9E+02	
SB-201	FD		1	10/08/21	INORG	Thallium	7440-28-0	1.40E+00	J	1.90E+00	1.2E+01	1.2E-01	7.8E-01	1.8E+00
SB-201	FD		1	10/08/21	INORG	Vanadium	7440-62-2	3.00E+01		7.70E-01	5.8E+03	5.2E-03	3.9E+02	7.7E-02
SB-201	FD		1	10/08/21	INORG	Zinc	7440-66-6	5.30E+01		7.70E-01	3.5E+05	1.5E-04	2.3E+04	2.3E-03
SB-201	N	10	12	10/08/21	VOC	Acetone	67-64-1		U	8.10E-02	1.1E+06		7.0E+04	
SB-201	N	10	12	10/08/21	VOC	Acrylonitrile	107-13-1		U	4.90E-03	1.1E+01		2.5E+00	
SB-201	N	10	12	10/08/21	VOC	Benzene	71-43-2		U	1.60E-03	5.1E+01		1.2E+01	
SB-201	N	10	12	10/08/21	VOC	Bromobenzene	108-86-1		U	1.60E-03	1.8E+03		2.9E+02	
SB-201	N	10	12	10/08/21	VOC	Bromochloromethane	74-97-5		U	1.60E-03	6.3E+02		1.5E+02	
SB-201	N	10	12	10/08/21	VOC	Bromodichloromethane	75-27-4		U	1.60E-03	1.3E+01		2.9E+00	
SB-201	N	10	12	10/08/21	VOC	Bromoform	75-25-2		U	1.60E-03	8.6E+02		1.9E+02	
SB-201	N	10	12	10/08/21	VOC	Bromomethane	74-83-9		U	8.10E-03	3.0E+01		6.8E+00	
SB-201	N	10	12	10/08/21	VOC	2-Butanone	78-93-3		U	3.20E-02	1.9E+05		2.7E+04	
SB-201	N	10	12	10/08/21	VOC	n-Butylbenzene	104-51-8		U	1.60E-03	5.8E+04		3.9E+03	
SB-201	N	10	12	10/08/21	VOC	sec-Butylbenzene	135-98-8		U	1.60E-03	1.2E+05		7.8E+03	
SB-201	N	10	12	10/08/21	VOC	tert-Butylbenzene	98-06-6		U	3.20E-03	1.2E+05		7.8E+03	
SB-201	N	10	12	10/08/21	VOC	Carbon Disulfide	75-15-0		U	8.10E-03	3.5E+03		7.7E+02	
SB-201	N	10	12	10/08/21	VOC	Carbon Tetrachloride	56-23-5		U	1.60E-03	2.9E+01		6.5E+00	
SB-201	N	10	12	10/08/21	VOC	Chlorobenzene	108-90-7		U	1.60E-03	1.3E+03		2.8E+02	
SB-201	N	10	12	10/08/21	VOC	Chloroethane	75-00-3		U	1.60E-02	2.3E+04		5.4E+03	
SB-201	N	10	12	10/08/21	VOC	Chloroform	67-66-3		U	3.20E-03	1.4E+01		3.2E+00	
SB-201	N	10	12	10/08/21	VOC	Chloromethane	74-87-3		U	8.10E-03	4.6E+02		1.1E+02	
SB-201	N	10	12	10/08/21	VOC	2-Chlorotoluene	95-49-8		U	1.60E-03	2.3E+04		1.6E+03	
SB-201	N	10	12	10/08/21	VOC	4-Chlorotoluene	106-43-4		U	1.60E-03	2.3E+04		1.6E+03	
SB-201	N	10	12	10/08/21	VOC	Cumene	98-82-8		U	1.60E-03	9.9E+03		1.9E+03	
SB-201	N	10	12	10/08/21	VOC	p-Cymene	99-87-6		U	1.60E-03				
SB-201	N	10	12	10/08/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8		U	1.60E-03	6.4E-01		5.3E-02	
SB-201	N	10	12	10/08/21	VOC	Dibromochloromethane	124-48-1		U	8.10E-04	3.9E+02		8.3E+01	
SB-201	N	10	12	10/08/21	VOC	1,2-Dibromoethane	106-93-4		U	8.10E-04	1.6E+00		3.6E-01	
SB-201	N	10	12	10/08/21	VOC	Dibromomethane	74-95-3		U	1.60E-03	9.9E+01		2.4E+01	
SB-201	N	10	12	10/08/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6		U	3.20E-03	3.2E-01		7.4E-02	
SB-201	N	10	12	10/08/21	VOC	1,2-Dichlorobenzene	95-50-1		U	1.60E-03	9.3E+03		1.8E+03	



**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-201	N	10	12	10/08/21	VOC	1,3-Dichlorobenzene	541-73-1		U	1.60E-03	1.1E+02		2.6E+01	
SB-201	N	10	12	10/08/21	VOC	1,4-Dichlorobenzene	106-46-7		U	1.60E-03	1.1E+02		2.6E+01	
SB-201	N	10	12	10/08/21	VOC	Dichlorodifluoromethane	75-71-8		U	1.60E-02	3.7E+02		8.7E+01	
SB-201	N	10	12	10/08/21	VOC	1,1-Dichloroethane	75-34-3		U	1.60E-03	1.6E+02		3.6E+01	
SB-201	N	10	12	10/08/21	VOC	1,2-Dichloroethane	107-06-2		U	1.60E-03	2.0E+01		4.6E+00	
SB-201	N	10	12	10/08/21	VOC	1,1-Dichloroethene	75-35-4		U	3.20E-03	1.0E+03		2.3E+02	
SB-201	N	10	12	10/08/21	VOC	cis-1,2-Dichloroethene	156-59-2		U	1.60E-03	3.7E+02		6.3E+01	
SB-201	N	10	12	10/08/21	VOC	trans-1,2-Dichloroethene	156-60-5		U	1.60E-03	3.0E+02		7.0E+01	
SB-201	N	10	12	10/08/21	VOC	1,2-Dichloropropane	78-87-5		U	1.60E-03	6.6E+01		1.6E+01	
SB-201	N	10	12	10/08/21	VOC	1,3-Dichloropropane	142-28-9		U	8.10E-04	2.3E+04		1.6E+03	
SB-201	N	10	12	10/08/21	VOC	2,2-Dichloropropane	594-20-7		U	1.60E-03				
SB-201	N	10	12	10/08/21	VOC	1,1-Dichloropropene	563-58-6		U	1.60E-03				
SB-201	N	10	12	10/08/21	VOC	1,3-Dichloropropene (total)	542-75-6		U	8.10E-04	8.2E+01		1.8E+01	
SB-201	N	10	12	10/08/21	VOC	1,4-Dioxane	123-91-1		U	8.10E-02	2.4E+02		5.3E+01	
SB-201	N	10	12	10/08/21	VOC	Ethyl tert-butyl ether	637-92-3		U	8.10E-04	5.6E+03		1.3E+03	
SB-201	N	10	12	10/08/21	VOC	Ethyl Benzene	100-41-4		U	1.60E-03	2.5E+02		5.8E+01	
SB-201	N	10	12	10/08/21	VOC	Diethyl ether	60-29-7		U	1.60E-02	2.3E+05		1.6E+04	
SB-201	N	10	12	10/08/21	VOC	2-Hexanone	591-78-6		U	1.60E-02	1.3E+03		2.0E+02	
SB-201	N	10	12	10/08/21	VOC	Methyl Acetate	79-20-9		U	1.60E-03	1.2E+06		7.8E+04	
SB-201	N	10	12	10/08/21	VOC	Methyl tert-butyl ether	1634-04-4		U	3.20E-03	2.1E+03		4.7E+02	
SB-201	N	10	12	10/08/21	VOC	4-Methyl-2-pentanone	108-10-1		U	1.60E-02	1.4E+05		3.3E+04	
SB-201	N	10	12	10/08/21	VOC	Methylcyclohexane	108-87-2		U	1.60E-03	2.7E+04		6.5E+03	
SB-201	N	10	12	10/08/21	VOC	Methylene Chloride	75-09-2		U	1.60E-02	3.2E+03		3.5E+02	
SB-201	N	10	12	10/08/21	VOC	Diisopropyl ether	108-20-3		U	8.10E-04	9.4E+03		2.2E+03	
SB-201	N	10	12	10/08/21	VOC	n-Propylbenzene	103-65-1		U	1.60E-03	2.4E+04		3.8E+03	
SB-201	N	10	12	10/08/21	VOC	Styrene	100-42-5		U	1.60E-03	3.5E+04		6.0E+03	
SB-201	N	10	12	10/08/21	VOC	tert-Butyl alcohol	75-65-0		U	8.10E-02	6.5E+04		1.4E+04	
SB-201	N	10	12	10/08/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6		U	1.60E-03	8.8E+01		2.0E+01	
SB-201	N	10	12	10/08/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5		U	8.10E-04	2.7E+01		6.0E+00	
SB-201	N	10	12	10/08/21	VOC	Tetrachloroethene	127-18-4		U	1.60E-03	3.9E+02		8.1E+01	
SB-201	N	10	12	10/08/21	VOC	Tetrahydrofuran	109-99-9		U	8.10E-03	9.5E+04		1.8E+04	
SB-201	N	10	12	10/08/21	VOC	Toluene	108-88-3		U	1.60E-03	4.7E+04		4.9E+03	
SB-201	N	10	12	10/08/21	VOC	1,2,3-Trichlorobenzene	87-61-6		U	1.60E-03	9.3E+02		6.3E+01	
SB-201	N	10	12	10/08/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	1.60E-03	2.6E+02		5.8E+01	
SB-201	N	10	12	10/08/21	VOC	1,3,5-Trichlorobenzene	108-70-3		U	1.60E-03				
SB-201	N	10	12	10/08/21	VOC	1,1,1-Trichloroethane	71-55-6		U	1.60E-03	3.6E+04		8.1E+03	
SB-201	N	10	12	10/08/21	VOC	1,1,2-Trichloroethane	79-00-5		U	1.60E-03	6.3E+00		1.5E+00	
SB-201	N	10	12	10/08/21	VOC	Trichloroethene	79-01-6		U	1.60E-03	1.9E+01		4.1E+00	
SB-201	N	10	12	10/08/21	VOC	Trichlorofluoromethane	75-69-4		U	8.10E-03	3.5E+05		2.3E+04	
SB-201	N	10	12	10/08/21	VOC	1,2,3-Trichloropropane	96-18-4		U	1.60E-03	1.1E+00		5.1E-02	
SB-201	N	10	12	10/08/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		U	8.10E-03	2.8E+04		6.7E+03	
SB-201	N	10	12	10/08/21	VOC	1,2,4-Trimethylbenzene	95-63-6		U	1.60E-03	1.8E+03		3.0E+02	
SB-201	N	10	12	10/08/21	VOC	1,3,5-Trimethylbenzene	108-67-8		U	1.60E-03	1.5E+03		2.7E+02	
SB-201	N	10	12	10/08/21	VOC	Vinyl Chloride	75-01-4		U	8.10E-03	1.7E+01		5.9E-01	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-201	N	10	12	10/08/21	VOC	Xylenes (total)	1330-20-7		U	3.20E-03	2.5E+03		5.8E+02	
SB-201	N	10	12	10/08/21	SVOC	Acenaphthene	83-32-9		U	2.00E-01	4.5E+04		3.6E+03	
SB-201	N	10	12	10/08/21	SVOC	Acenaphthylene	208-96-8		U	2.00E-01	2.3E+04		1.8E+03	
SB-201	N	10	12	10/08/21	SVOC	Acetophenone	98-86-2		U	3.90E-01	1.2E+05		7.8E+03	
SB-201	N	10	12	10/08/21	SVOC	t-Amyl methyl ether	994-05-8		U	8.10E-04				
SB-201	N	10	12	10/08/21	SVOC	Aniline	62-53-3		U	3.90E-01	4.0E+03		4.4E+02	
SB-201	N	10	12	10/08/21	SVOC	Anthracene	120-12-7		U	2.00E-01	2.3E+05		1.8E+04	
SB-201	N	10	12	10/08/21	SVOC	Benzidine	92-87-5		U	7.60E-01	1.0E-01		5.3E-03	
SB-201	N	10	12	10/08/21	SVOC	Benzo(a)anthracene	56-55-3		U	2.00E-01	2.1E+02		1.1E+01	
SB-201	N	10	12	10/08/21	SVOC	Benzo(a)pyrene	50-32-8		U	2.00E-01	2.1E+01		1.1E+00	
SB-201	N	10	12	10/08/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	2.00E-01	2.1E+02		1.1E+01	
SB-201	N	10	12	10/08/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	2.00E-01	2.3E+04		1.8E+03	
SB-201	N	10	12	10/08/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	2.00E-01	2.1E+03		1.1E+02	
SB-201	N	10	12	10/08/21	SVOC	Benzoic Acid	65-85-0		U	1.10E+00	3.3E+06		2.5E+05	
SB-201	N	10	12	10/08/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	3.90E-01	2.5E+03		1.9E+02	
SB-201	N	10	12	10/08/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	3.90E-01	1.0E+01		2.3E+00	
SB-201	N	10	12	10/08/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	3.90E-01	1.6E+03		3.9E+02	
SB-201	N	10	12	10/08/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	3.90E-01				
SB-201	N	10	12	10/08/21	SVOC	Butylbenzylphthalate	85-68-7		U	3.90E-01	1.2E+04		2.9E+03	
SB-201	N	10	12	10/08/21	SVOC	Carbazole	86-74-8		U	2.00E-01	3.0E+04		2.4E+03	
SB-201	N	10	12	10/08/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.60E-01	8.2E+04		6.3E+03	
SB-201	N	10	12	10/08/21	SVOC	4-Chloroaniline	106-47-8		U	7.60E-01	1.1E+02		2.7E+01	
SB-201	N	10	12	10/08/21	SVOC	2-Chloronaphthalene	91-58-7		U	3.90E-01	6.0E+04		4.8E+03	
SB-201	N	10	12	10/08/21	SVOC	2-Chlorophenol	95-57-8		U	3.90E-01	5.8E+03		3.9E+02	
SB-201	N	10	12	10/08/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	3.90E-01				
SB-201	N	10	12	10/08/21	SVOC	Chrysene	218-01-9		U	2.00E-01	2.1E+04		1.1E+03	
SB-201	N	10	12	10/08/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	2.00E-01	2.1E+01		1.1E+00	
SB-201	N	10	12	10/08/21	SVOC	Dibenzofuran	132-64-9		U	3.90E-01	1.2E+03		7.8E+01	
SB-201	N	10	12	10/08/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	2.00E-01	5.1E+01		1.2E+01	
SB-201	N	10	12	10/08/21	SVOC	2,4-Dichlorophenol	120-83-2		U	3.90E-01	2.5E+03		1.9E+02	
SB-201	N	10	12	10/08/21	SVOC	Diethylphthalate	84-66-2		U	3.90E-01	6.6E+05		5.1E+04	
SB-201	N	10	12	10/08/21	SVOC	2,4-Dimethylphenol	105-67-9		U	3.90E-01	1.6E+04		1.3E+03	
SB-201	N	10	12	10/08/21	SVOC	Dimethylphthalate	131-11-3		U	3.90E-01	6.6E+05		5.1E+04	
SB-201	N	10	12	10/08/21	SVOC	Di-n-butylphthalate	84-74-2		U	3.90E-01	8.2E+04		6.3E+03	
SB-201	N	10	12	10/08/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	3.90E-01	6.6E+01		5.1E+00	
SB-201	N	10	12	10/08/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.60E-01	1.6E+03		1.3E+02	
SB-201	N	10	12	10/08/21	SVOC	Di-n-octylphthalate	117-84-0		U	3.90E-01	8.2E+03		6.3E+02	
SB-201	N	10	12	10/08/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	3.90E-01	2.9E+01		6.8E+00	
SB-201	N	10	12	10/08/21	SVOC	Fluoranthene	206-44-0	9.30E-02	J	2.00E-01	3.0E+04	3.1E-06	2.4E+03	3.9E-05
SB-201	N	10	12	10/08/21	SVOC	Fluorene	86-73-7		U	2.00E-01	3.0E+04		2.4E+03	
SB-201	N	10	12	10/08/21	SVOC	Hexachlorobenzene	118-74-1		U	3.90E-01	9.6E+00		7.8E-01	
SB-201	N	10	12	10/08/21	SVOC	Hexachlorobutadiene	87-68-3		U	1.60E-03	5.3E+01		1.2E+01	
SB-201	N	10	12	10/08/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	3.90E-01	7.5E+00		1.8E+00	
SB-201	N	10	12	10/08/21	SVOC	Hexachloroethane	67-72-1		U	3.90E-01	8.0E+01		1.8E+01	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-201	N	10	12	10/08/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	2.00E-01	2.1E+02		1.1E+01	
SB-201	N	10	12	10/08/21	SVOC	Isophorone	78-59-1		U	3.90E-01	2.4E+04		5.7E+03	
SB-201	N	10	12	10/08/21	SVOC	1-Methylnaphthalene	90-12-0		U	2.00E-01	7.3E+02		1.8E+02	
SB-201	N	10	12	10/08/21	SVOC	2-Methylnaphthalene	91-57-6		U	2.00E-01	3.0E+03		2.4E+02	
SB-201	N	10	12	10/08/21	SVOC	2-Methylphenol	95-48-7		U	3.90E-01	4.1E+04		3.2E+03	
SB-201	N	10	12	10/08/21	SVOC	3&4-Methylphenol	65794-96-9	1.00E-01	J	3.90E-01				
SB-201	N	10	12	10/08/21	SVOC	Naphthalene	91-20-3		U	3.20E-03	8.6E+01		2.0E+01	
SB-201	N	10	12	10/08/21	SVOC	2-Nitroaniline	88-74-4		U	3.90E-01	8.0E+03		6.3E+02	
SB-201	N	10	12	10/08/21	SVOC	3-Nitroaniline	99-09-2		U	3.90E-01	1.1E+03		2.5E+02	
SB-201	N	10	12	10/08/21	SVOC	4-Nitroaniline	100-01-6		U	3.90E-01	1.1E+03		2.5E+02	
SB-201	N	10	12	10/08/21	SVOC	2-Nitrophenol	88-75-5		U	3.90E-01				
SB-201	N	10	12	10/08/21	SVOC	4-Nitrophenol	100-02-7		U	7.60E-01				
SB-201	N	10	12	10/08/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	3.90E-01	3.4E-01		2.0E-02	
SB-201	N	10	12	10/08/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	3.90E-01	4.7E+03		1.1E+03	
SB-201	N	10	12	10/08/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	3.90E-01	3.3E+00		7.8E-01	
SB-201	N	10	12	10/08/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	3.90E-01	4.7E+04		3.1E+03	
SB-201	N	10	12	10/08/21	SVOC	Pentachloronitrobenzene	82-68-8		U	3.90E-01	1.3E+02		2.7E+01	
SB-201	N	10	12	10/08/21	SVOC	Pentachlorophenol	87-86-5		U	3.90E-01	4.0E+01		1.0E+01	
SB-201	N	10	12	10/08/21	SVOC	Phenanthrene	85-01-8	6.20E-02	J	2.00E-01	2.3E+04	2.7E-06	1.8E+03	3.4E-05
SB-201	N	10	12	10/08/21	SVOC	Phenol	108-95-2		U	3.90E-01	2.5E+05		1.9E+04	
SB-201	N	10	12	10/08/21	SVOC	Pyrene	129-00-0	9.80E-02	J	2.00E-01	2.3E+04	4.3E-06	1.8E+03	5.4E-05
SB-201	N	10	12	10/08/21	SVOC	Pyridine	110-86-1		U	3.90E-01	1.2E+03		7.8E+01	
SB-201	N	10	12	10/08/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	3.90E-01	3.5E+01		2.3E+00	
SB-201	N	10	12	10/08/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	3.90E-01	8.2E+04		6.3E+03	
SB-201	N	10	12	10/08/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	3.90E-01	8.2E+02		6.3E+01	
SB-201	N	10	12	10/08/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	3.90E-01	7.4E+01		1.7E+01	
SB-201	N	10	12	10/08/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	3.90E-01	1.5E+01		3.6E+00	
SB-201	N	10	12	10/08/21	NITRO	Nitrobenzene	98-95-3		U	3.90E-01	2.2E+02		5.1E+01	
SB-201	N	10	12	10/08/21	INORG	Aluminum	7429-90-5	7.60E+03		1.90E+01	1.1E+06	6.9E-03	7.7E+04	9.9E-02
SB-201	N	10	12	10/08/21	INORG	Antimony	7440-36-0		U	1.90E+00	4.7E+02		3.1E+01	
SB-201	N	10	12	10/08/21	INORG	Arsenic	7440-38-2	9.70E+00		3.80E+00	3.0E+01	3.2E-01	6.8E+00	1.4E+00
SB-201	N	10	12	10/08/21	INORG	Barium	7440-39-3	5.80E+01		1.90E+00	2.2E+05	2.6E-04	1.5E+04	3.9E-03
SB-201	N	10	12	10/08/21	INORG	Beryllium	7440-41-7	5.60E-01		1.90E-01	2.3E+03	2.4E-04	1.6E+02	3.5E-03
SB-201	N	10	12	10/08/21	INORG	Cadmium	7440-43-9	2.40E-01	J	3.80E-01	1.0E+02	2.4E-03	7.1E+00	3.4E-02
SB-201	N	10	12	10/08/21	INORG	Chromium (total)	7440-47-3	2.10E+01		7.50E-01	1.8E+06	1.2E-05	1.2E+05	1.8E-04
SB-201	N	10	12	10/08/21	INORG	Cobalt	7440-48-4	8.30E+00		1.90E+00	3.5E+02	2.4E-02	2.3E+01	3.6E-01
SB-201	N	10	12	10/08/21	INORG	Copper	7440-50-8	1.50E+01		7.50E-01	4.7E+04	3.2E-04	3.1E+03	4.8E-03
SB-201	N	10	12	10/08/21	INORG	Iron	7439-89-6	2.30E+04		3.80E+02	8.2E+05	2.8E-02	5.5E+04	4.2E-01
SB-201	N	10	12	10/08/21	INORG	Lead	7439-92-1	1.10E+01		5.60E-01	8.0E+02	1.4E-02	2.0E+02	5.5E-02
SB-201	N	10	12	10/08/21	INORG	Manganese	7439-96-5	2.60E+02		3.80E-01	2.6E+04	1.0E-02	1.8E+03	1.4E-01
SB-201	N	10	12	10/08/21	INORG	Mercury	7439-97-6	2.20E-02	J	2.90E-02	4.1E+01	5.4E-04	7.4E+00	3.0E-03
SB-201	N	10	12	10/08/21	INORG	Nickel	7440-02-0	1.30E+01		7.50E-01	2.2E+04	5.9E-04	1.5E+03	8.7E-03
SB-201	N	10	12	10/08/21	INORG	Selenium	7782-49-2		U	3.80E+00	5.8E+03		3.9E+02	
SB-201	N	10	12	10/08/21	INORG	Silver	7440-22-4		U	3.80E-01	5.8E+03		3.9E+02	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-201	N	10	12	10/08/21	INORG	Thallium	7440-28-0	1.40E+00	J	1.90E+00	1.2E+01	1.2E-01	7.8E-01	<b>1.8E+00</b>
SB-201	N	10	12	10/08/21	INORG	Vanadium	7440-62-2	2.20E+01		7.50E-01	5.8E+03	3.8E-03	3.9E+02	5.6E-02
SB-201	N	10	12	10/08/21	INORG	Zinc	7440-66-6	6.90E+01		7.50E-01	3.5E+05	2.0E-04	2.3E+04	3.0E-03
SB-201	N	24	26	10/08/21	VOC	Acetone	67-64-1		U	1.10E-01	1.1E+06		7.0E+04	
SB-201	N	24	26	10/08/21	VOC	Acrylonitrile	107-13-1		U	6.60E-03	1.1E+01		2.5E+00	
SB-201	N	24	26	10/08/21	VOC	Benzene	71-43-2		U	2.20E-03	5.1E+01		1.2E+01	
SB-201	N	24	26	10/08/21	VOC	Bromobenzene	108-86-1		U	2.20E-03	1.8E+03		2.9E+02	
SB-201	N	24	26	10/08/21	VOC	Bromochloromethane	74-97-5		U	2.20E-03	6.3E+02		1.5E+02	
SB-201	N	24	26	10/08/21	VOC	Bromodichloromethane	75-27-4		U	2.20E-03	1.3E+01		2.9E+00	
SB-201	N	24	26	10/08/21	VOC	Bromoform	75-25-2		U	2.20E-03	8.6E+02		1.9E+02	
SB-201	N	24	26	10/08/21	VOC	Bromomethane	74-83-9		U	1.10E-02	3.0E+01		6.8E+00	
SB-201	N	24	26	10/08/21	VOC	2-Butanone	78-93-3		U	4.40E-02	1.9E+05		2.7E+04	
SB-201	N	24	26	10/08/21	VOC	n-Butylbenzene	104-51-8		U	2.20E-03	5.8E+04		3.9E+03	
SB-201	N	24	26	10/08/21	VOC	sec-Butylbenzene	135-98-8		U	2.20E-03	1.2E+05		7.8E+03	
SB-201	N	24	26	10/08/21	VOC	tert-Butylbenzene	98-06-6		U	4.40E-03	1.2E+05		7.8E+03	
SB-201	N	24	26	10/08/21	VOC	Carbon Disulfide	75-15-0		U	1.10E-02	3.5E+03		7.7E+02	
SB-201	N	24	26	10/08/21	VOC	Carbon Tetrachloride	56-23-5		U	2.20E-03	2.9E+01		6.5E+00	
SB-201	N	24	26	10/08/21	VOC	Chlorobenzene	108-90-7		U	2.20E-03	1.3E+03		2.8E+02	
SB-201	N	24	26	10/08/21	VOC	Chloroethane	75-00-3		U	2.20E-02	2.3E+04		5.4E+03	
SB-201	N	24	26	10/08/21	VOC	Chloroform	67-66-3		U	4.40E-03	1.4E+01		3.2E+00	
SB-201	N	24	26	10/08/21	VOC	Chloromethane	74-87-3		U	1.10E-02	4.6E+02		1.1E+02	
SB-201	N	24	26	10/08/21	VOC	2-Chlorotoluene	95-49-8		U	2.20E-03	2.3E+04		1.6E+03	
SB-201	N	24	26	10/08/21	VOC	4-Chlorotoluene	106-43-4		U	2.20E-03	2.3E+04		1.6E+03	
SB-201	N	24	26	10/08/21	VOC	Cumene	98-82-8		U	2.20E-03	9.9E+03		1.9E+03	
SB-201	N	24	26	10/08/21	VOC	p-Cymene	99-87-6		U	2.20E-03				
SB-201	N	24	26	10/08/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8		U	2.20E-03	6.4E-01		5.3E-02	
SB-201	N	24	26	10/08/21	VOC	Dibromochloromethane	124-48-1		U	1.10E-03	3.9E+02		8.3E+01	
SB-201	N	24	26	10/08/21	VOC	1,2-Dibromoethane	106-93-4		U	1.10E-03	1.6E+00		3.6E-01	
SB-201	N	24	26	10/08/21	VOC	Dibromomethane	74-95-3		U	2.20E-03	9.9E+01		2.4E+01	
SB-201	N	24	26	10/08/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6		U	4.40E-03	3.2E-01		7.4E-02	
SB-201	N	24	26	10/08/21	VOC	1,2-Dichlorobenzene	95-50-1		U	2.20E-03	9.3E+03		1.8E+03	
SB-201	N	24	26	10/08/21	VOC	1,3-Dichlorobenzene	541-73-1		U	2.20E-03	1.1E+02		2.6E+01	
SB-201	N	24	26	10/08/21	VOC	1,4-Dichlorobenzene	106-46-7		U	2.20E-03	1.1E+02		2.6E+01	
SB-201	N	24	26	10/08/21	VOC	Dichlorodifluoromethane	75-71-8		U	2.20E-02	3.7E+02		8.7E+01	
SB-201	N	24	26	10/08/21	VOC	1,1-Dichloroethane	75-34-3		U	2.20E-03	1.6E+02		3.6E+01	
SB-201	N	24	26	10/08/21	VOC	1,2-Dichloroethane	107-06-2		U	2.20E-03	2.0E+01		4.6E+00	
SB-201	N	24	26	10/08/21	VOC	1,1-Dichloroethene	75-35-4		U	4.40E-03	1.0E+03		2.3E+02	
SB-201	N	24	26	10/08/21	VOC	cis-1,2-Dichloroethene	156-59-2		U	2.20E-03	3.7E+02		6.3E+01	
SB-201	N	24	26	10/08/21	VOC	trans-1,2-Dichloroethene	156-60-5		U	2.20E-03	3.0E+02		7.0E+01	
SB-201	N	24	26	10/08/21	VOC	1,2-Dichloropropane	78-87-5		U	2.20E-03	6.6E+01		1.6E+01	
SB-201	N	24	26	10/08/21	VOC	1,3-Dichloropropane	142-28-9		U	1.10E-03	2.3E+04		1.6E+03	
SB-201	N	24	26	10/08/21	VOC	2,2-Dichloropropane	594-20-7		U	2.20E-03				
SB-201	N	24	26	10/08/21	VOC	1,1-Dichloropropene	563-58-6		U	2.20E-03				
SB-201	N	24	26	10/08/21	VOC	1,3-Dichloropropene (total)	542-75-6		U	1.10E-03	8.2E+01		1.8E+01	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-201	N	24	26	10/08/21	VOC	1,4-Dioxane	123-91-1		U	1.10E-01	2.4E+02		5.3E+01	
SB-201	N	24	26	10/08/21	VOC	Ethyl tert-butyl ether	637-92-3		U	1.10E-03	5.6E+03		1.3E+03	
SB-201	N	24	26	10/08/21	VOC	Ethyl Benzene	100-41-4		U	2.20E-03	2.5E+02		5.8E+01	
SB-201	N	24	26	10/08/21	VOC	Diethyl ether	60-29-7		U	2.20E-02	2.3E+05		1.6E+04	
SB-201	N	24	26	10/08/21	VOC	2-Hexanone	591-78-6		U	2.20E-02	1.3E+03		2.0E+02	
SB-201	N	24	26	10/08/21	VOC	Methyl Acetate	79-20-9		U	2.20E-03	1.2E+06		7.8E+04	
SB-201	N	24	26	10/08/21	VOC	Methyl tert-butyl ether	1634-04-4		U	4.40E-03	2.1E+03		4.7E+02	
SB-201	N	24	26	10/08/21	VOC	4-Methyl-2-pentanone	108-10-1		U	2.20E-02	1.4E+05		3.3E+04	
SB-201	N	24	26	10/08/21	VOC	Methylcyclohexane	108-87-2		U	2.20E-03	2.7E+04		6.5E+03	
SB-201	N	24	26	10/08/21	VOC	Methylene Chloride	75-09-2	6.80E-04	J	2.20E-02	3.2E+03	2.1E-07	3.5E+02	1.9E-06
SB-201	N	24	26	10/08/21	VOC	Diisopropyl ether	108-20-3		U	1.10E-03	9.4E+03		2.2E+03	
SB-201	N	24	26	10/08/21	VOC	n-Propylbenzene	103-65-1		U	2.20E-03	2.4E+04		3.8E+03	
SB-201	N	24	26	10/08/21	VOC	Styrene	100-42-5		U	2.20E-03	3.5E+04		6.0E+03	
SB-201	N	24	26	10/08/21	VOC	tert-Butyl alcohol	75-65-0		U	1.10E-01	6.5E+04		1.4E+04	
SB-201	N	24	26	10/08/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6		U	2.20E-03	8.8E+01		2.0E+01	
SB-201	N	24	26	10/08/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5		U	1.10E-03	2.7E+01		6.0E+00	
SB-201	N	24	26	10/08/21	VOC	Tetrachloroethene	127-18-4		U	2.20E-03	3.9E+02		8.1E+01	
SB-201	N	24	26	10/08/21	VOC	Tetrahydrofuran	109-99-9		U	1.10E-02	9.5E+04		1.8E+04	
SB-201	N	24	26	10/08/21	VOC	Toluene	108-88-3		U	2.20E-03	4.7E+04		4.9E+03	
SB-201	N	24	26	10/08/21	VOC	1,2,3-Trichlorobenzene	87-61-6		U	2.20E-03	9.3E+02		6.3E+01	
SB-201	N	24	26	10/08/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	2.20E-03	2.6E+02		5.8E+01	
SB-201	N	24	26	10/08/21	VOC	1,3,5-Trichlorobenzene	108-70-3		U	2.20E-03				
SB-201	N	24	26	10/08/21	VOC	1,1,1-Trichloroethane	71-55-6		U	2.20E-03	3.6E+04		8.1E+03	
SB-201	N	24	26	10/08/21	VOC	1,1,2-Trichloroethane	79-00-5		U	2.20E-03	6.3E+00		1.5E+00	
SB-201	N	24	26	10/08/21	VOC	Trichloroethene	79-01-6		U	2.20E-03	1.9E+01		4.1E+00	
SB-201	N	24	26	10/08/21	VOC	Trichlorofluoromethane	75-69-4		U	1.10E-02	3.5E+05		2.3E+04	
SB-201	N	24	26	10/08/21	VOC	1,2,3-Trichloropropane	96-18-4		U	2.20E-03	1.1E+00		5.1E-02	
SB-201	N	24	26	10/08/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		U	1.10E-02	2.8E+04		6.7E+03	
SB-201	N	24	26	10/08/21	VOC	1,2,4-Trimethylbenzene	95-63-6		U	2.20E-03	1.8E+03		3.0E+02	
SB-201	N	24	26	10/08/21	VOC	1,3,5-Trimethylbenzene	108-67-8		U	2.20E-03	1.5E+03		2.7E+02	
SB-201	N	24	26	10/08/21	VOC	Vinyl Chloride	75-01-4		U	1.10E-02	1.7E+01		5.9E-01	
SB-201	N	24	26	10/08/21	VOC	Xylenes (total)	1330-20-7		U	4.40E-03	2.5E+03		5.8E+02	
SB-201	N	24	26	10/08/21	SVOC	Acenaphthene	83-32-9		U	2.00E-01	4.5E+04		3.6E+03	
SB-201	N	24	26	10/08/21	SVOC	Acenaphthylene	208-96-8		U	2.00E-01	2.3E+04		1.8E+03	
SB-201	N	24	26	10/08/21	SVOC	Acetophenone	98-86-2		U	4.00E-01	1.2E+05		7.8E+03	
SB-201	N	24	26	10/08/21	SVOC	t-Amyl methyl ether	994-05-8		U	1.10E-03				
SB-201	N	24	26	10/08/21	SVOC	Aniline	62-53-3		U	4.00E-01	4.0E+03		4.4E+02	
SB-201	N	24	26	10/08/21	SVOC	Anthracene	120-12-7		U	2.00E-01	2.3E+05		1.8E+04	
SB-201	N	24	26	10/08/21	SVOC	Benzidine	92-87-5		U	7.70E-01	1.0E-01		5.3E-03	
SB-201	N	24	26	10/08/21	SVOC	Benzo(a)anthracene	56-55-3		U	2.00E-01	2.1E+02		1.1E+01	
SB-201	N	24	26	10/08/21	SVOC	Benzo(a)pyrene	50-32-8		U	2.00E-01	2.1E+01		1.1E+00	
SB-201	N	24	26	10/08/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	2.00E-01	2.1E+02		1.1E+01	
SB-201	N	24	26	10/08/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	2.00E-01	2.3E+04		1.8E+03	
SB-201	N	24	26	10/08/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	2.00E-01	2.1E+03		1.1E+02	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-201	N	24	26	10/08/21	SVOC	Benzoic Acid	65-85-0		U	1.20E+00	3.3E+06		2.5E+05	
SB-201	N	24	26	10/08/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	4.00E-01	2.5E+03		1.9E+02	
SB-201	N	24	26	10/08/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	4.00E-01	1.0E+01		2.3E+00	
SB-201	N	24	26	10/08/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	4.00E-01	1.6E+03		3.9E+02	
SB-201	N	24	26	10/08/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	4.00E-01				
SB-201	N	24	26	10/08/21	SVOC	Butylbenzylphthalate	85-68-7		U	4.00E-01	1.2E+04		2.9E+03	
SB-201	N	24	26	10/08/21	SVOC	Carbazole	86-74-8		U	2.00E-01	3.0E+04		2.4E+03	
SB-201	N	24	26	10/08/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.70E-01	8.2E+04		6.3E+03	
SB-201	N	24	26	10/08/21	SVOC	4-Chloroaniline	106-47-8		U	7.70E-01	1.1E+02		2.7E+01	
SB-201	N	24	26	10/08/21	SVOC	2-Chloronaphthalene	91-58-7		U	4.00E-01	6.0E+04		4.8E+03	
SB-201	N	24	26	10/08/21	SVOC	2-Chlorophenol	95-57-8		U	4.00E-01	5.8E+03		3.9E+02	
SB-201	N	24	26	10/08/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	4.00E-01				
SB-201	N	24	26	10/08/21	SVOC	Chrysene	218-01-9		U	2.00E-01	2.1E+04		1.1E+03	
SB-201	N	24	26	10/08/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	2.00E-01	2.1E+01		1.1E+00	
SB-201	N	24	26	10/08/21	SVOC	Dibenzofuran	132-64-9		U	4.00E-01	1.2E+03		7.8E+01	
SB-201	N	24	26	10/08/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	2.00E-01	5.1E+01		1.2E+01	
SB-201	N	24	26	10/08/21	SVOC	2,4-Dichlorophenol	120-83-2		U	4.00E-01	2.5E+03		1.9E+02	
SB-201	N	24	26	10/08/21	SVOC	Diethylphthalate	84-66-2		U	4.00E-01	6.6E+05		5.1E+04	
SB-201	N	24	26	10/08/21	SVOC	2,4-Dimethylphenol	105-67-9		U	4.00E-01	1.6E+04		1.3E+03	
SB-201	N	24	26	10/08/21	SVOC	Dimethylphthalate	131-11-3		U	4.00E-01	6.6E+05		5.1E+04	
SB-201	N	24	26	10/08/21	SVOC	Di-n-butylphthalate	84-74-2		U	4.00E-01	8.2E+04		6.3E+03	
SB-201	N	24	26	10/08/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	4.00E-01	6.6E+01		5.1E+00	
SB-201	N	24	26	10/08/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.70E-01	1.6E+03		1.3E+02	
SB-201	N	24	26	10/08/21	SVOC	Di-n-octylphthalate	117-84-0		U	4.00E-01	8.2E+03		6.3E+02	
SB-201	N	24	26	10/08/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	4.00E-01	2.9E+01		6.8E+00	
SB-201	N	24	26	10/08/21	SVOC	Fluoranthene	206-44-0		U	2.00E-01	3.0E+04		2.4E+03	
SB-201	N	24	26	10/08/21	SVOC	Fluorene	86-73-7		U	2.00E-01	3.0E+04		2.4E+03	
SB-201	N	24	26	10/08/21	SVOC	Hexachlorobenzene	118-74-1		U	4.00E-01	9.6E+00		7.8E-01	
SB-201	N	24	26	10/08/21	SVOC	Hexachlorobutadiene	87-68-3		U	2.20E-03	5.3E+01		1.2E+01	
SB-201	N	24	26	10/08/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	4.00E-01	7.5E+00		1.8E+00	
SB-201	N	24	26	10/08/21	SVOC	Hexachloroethane	67-72-1		U	4.00E-01	8.0E+01		1.8E+01	
SB-201	N	24	26	10/08/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	2.00E-01	2.1E+02		1.1E+01	
SB-201	N	24	26	10/08/21	SVOC	Isophorone	78-59-1		U	4.00E-01	2.4E+04		5.7E+03	
SB-201	N	24	26	10/08/21	SVOC	1-Methylnaphthalene	90-12-0		U	2.00E-01	7.3E+02		1.8E+02	
SB-201	N	24	26	10/08/21	SVOC	2-Methylnaphthalene	91-57-6		U	2.00E-01	3.0E+03		2.4E+02	
SB-201	N	24	26	10/08/21	SVOC	2-Methylphenol	95-48-7		U	4.00E-01	4.1E+04		3.2E+03	
SB-201	N	24	26	10/08/21	SVOC	3&4-Methylphenol	65794-96-9		U	4.00E-01				
SB-201	N	24	26	10/08/21	SVOC	Naphthalene	91-20-3		U	4.40E-03	8.6E+01		2.0E+01	
SB-201	N	24	26	10/08/21	SVOC	2-Nitroaniline	88-74-4		U	4.00E-01	8.0E+03		6.3E+02	
SB-201	N	24	26	10/08/21	SVOC	3-Nitroaniline	99-09-2		U	4.00E-01	1.1E+03		2.5E+02	
SB-201	N	24	26	10/08/21	SVOC	4-Nitroaniline	100-01-6		U	4.00E-01	1.1E+03		2.5E+02	
SB-201	N	24	26	10/08/21	SVOC	2-Nitrophenol	88-75-5		U	4.00E-01				
SB-201	N	24	26	10/08/21	SVOC	4-Nitrophenol	100-02-7		U	7.70E-01				
SB-201	N	24	26	10/08/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	4.00E-01	3.4E-01		2.0E-02	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-201	N	24	26	10/08/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	4.00E-01	4.7E+03		1.1E+03	
SB-201	N	24	26	10/08/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	4.00E-01	3.3E+00		7.8E-01	
SB-201	N	24	26	10/08/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	4.00E-01	4.7E+04		3.1E+03	
SB-201	N	24	26	10/08/21	SVOC	Pentachloronitrobenzene	82-68-8		U	4.00E-01	1.3E+02		2.7E+01	
SB-201	N	24	26	10/08/21	SVOC	Pentachlorophenol	87-86-5		U	4.00E-01	4.0E+01		1.0E+01	
SB-201	N	24	26	10/08/21	SVOC	Phenanthrene	85-01-8		U	2.00E-01	2.3E+04		1.8E+03	
SB-201	N	24	26	10/08/21	SVOC	Phenol	108-95-2		U	4.00E-01	2.5E+05		1.9E+04	
SB-201	N	24	26	10/08/21	SVOC	Pyrene	129-00-0		U	2.00E-01	2.3E+04		1.8E+03	
SB-201	N	24	26	10/08/21	SVOC	Pyridine	110-86-1		U	4.00E-01	1.2E+03		7.8E+01	
SB-201	N	24	26	10/08/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	4.00E-01	3.5E+01		2.3E+00	
SB-201	N	24	26	10/08/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	4.00E-01	8.2E+04		6.3E+03	
SB-201	N	24	26	10/08/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	4.00E-01	8.2E+02		6.3E+01	
SB-201	N	24	26	10/08/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	4.00E-01	7.4E+01		1.7E+01	
SB-201	N	24	26	10/08/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	4.00E-01	1.5E+01		3.6E+00	
SB-201	N	24	26	10/08/21	NITRO	Nitrobenzene	98-95-3		U	4.00E-01	2.2E+02		5.1E+01	
SB-201	N	24	26	10/08/21	INORG	Aluminum	7429-90-5	9.60E+03		1.90E+01	1.1E+06	8.7E-03	7.7E+04	1.2E-01
SB-201	N	24	26	10/08/21	INORG	Antimony	7440-36-0		U	1.90E+00	4.7E+02		3.1E+01	
SB-201	N	24	26	10/08/21	INORG	Arsenic	7440-38-2	2.70E+00	J	3.80E+00	3.0E+01	9.0E-02	6.8E+00	4.0E-01
SB-201	N	24	26	10/08/21	INORG	Barium	7440-39-3	7.20E+01		1.90E+00	2.2E+05	3.3E-04	1.5E+04	4.8E-03
SB-201	N	24	26	10/08/21	INORG	Beryllium	7440-41-7	8.00E-01		1.90E-01	2.3E+03	3.5E-04	1.6E+02	5.0E-03
SB-201	N	24	26	10/08/21	INORG	Cadmium	7440-43-9		U	3.80E-01	1.0E+02		7.1E+00	
SB-201	N	24	26	10/08/21	INORG	Chromium (total)	7440-47-3	1.30E+01		7.70E-01	1.8E+06	7.2E-06	1.2E+05	1.1E-04
SB-201	N	24	26	10/08/21	INORG	Cobalt	7440-48-4	1.40E+01		1.90E+00	3.5E+02	4.0E-02	2.3E+01	6.1E-01
SB-201	N	24	26	10/08/21	INORG	Copper	7440-50-8	1.40E+01		7.70E-01	4.7E+04	3.0E-04	3.1E+03	4.5E-03
SB-201	N	24	26	10/08/21	INORG	Iron	7439-89-6	2.40E+04		3.80E+02	8.2E+05	2.9E-02	5.5E+04	4.4E-01
SB-201	N	24	26	10/08/21	INORG	Lead	7439-92-1	8.30E+00		5.80E-01	8.0E+02	1.0E-02	2.0E+02	4.2E-02
SB-201	N	24	26	10/08/21	INORG	Manganese	7439-96-5	1.30E+02		3.80E-01	2.6E+04	5.0E-03	1.8E+03	7.2E-02
SB-201	N	24	26	10/08/21	INORG	Mercury	7439-97-6	1.80E-02	J	3.20E-02	4.1E+01	4.4E-04	7.4E+00	2.4E-03
SB-201	N	24	26	10/08/21	INORG	Nickel	7440-02-0	1.50E+01		7.70E-01	2.2E+04	6.8E-04	1.5E+03	1.0E-02
SB-201	N	24	26	10/08/21	INORG	Selenium	7782-49-2		U	3.80E+00	5.8E+03		3.9E+02	
SB-201	N	24	26	10/08/21	INORG	Silver	7440-22-4		U	3.80E-01	5.8E+03		3.9E+02	
SB-201	N	24	26	10/08/21	INORG	Thallium	7440-28-0	1.30E+00	J	1.90E+00	1.2E+01	1.1E-01	7.8E-01	1.7E+00
SB-201	N	24	26	10/08/21	INORG	Vanadium	7440-62-2	2.50E+01		7.70E-01	5.8E+03	4.3E-03	3.9E+02	6.4E-02
SB-201	N	24	26	10/08/21	INORG	Zinc	7440-66-6	4.40E+01		7.70E-01	3.5E+05	1.3E-04	2.3E+04	1.9E-03
SB-202	N		1	10/07/21	VOC	1,2-Dichlorobenzene	95-50-1		U	4.60E-01	9.3E+03		1.8E+03	
SB-202	N		1	10/07/21	VOC	1,3-Dichlorobenzene	541-73-1		U	4.60E-01	1.1E+02		2.6E+01	
SB-202	N		1	10/07/21	VOC	1,4-Dichlorobenzene	106-46-7		U	4.60E-01	1.1E+02		2.6E+01	
SB-202	N		1	10/07/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	4.60E-01	2.6E+02		5.8E+01	
SB-202	N		1	10/07/21	SVOC	Acenaphthene	83-32-9		U	2.30E-01	4.5E+04		3.6E+03	
SB-202	N		1	10/07/21	SVOC	Acenaphthylene	208-96-8		U	2.30E-01	2.3E+04		1.8E+03	
SB-202	N		1	10/07/21	SVOC	Acetophenone	98-86-2		U	4.60E-01	1.2E+05		7.8E+03	
SB-202	N		1	10/07/21	SVOC	Aniline	62-53-3		U	4.60E-01	4.0E+03		4.4E+02	
SB-202	N		1	10/07/21	SVOC	Anthracene	120-12-7		U	2.30E-01	2.3E+05		1.8E+04	
SB-202	N		1	10/07/21	SVOC	Benzidine	92-87-5		U	9.00E-01	1.0E-01		5.3E-03	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-202	N		1	10/07/21	SVOC	Benzo(a)anthracene	56-55-3		U	2.30E-01	2.1E+02		1.1E+01	
SB-202	N		1	10/07/21	SVOC	Benzo(a)pyrene	50-32-8		U	2.30E-01	2.1E+01		1.1E+00	
SB-202	N		1	10/07/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	2.30E-01	2.1E+02		1.1E+01	
SB-202	N		1	10/07/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	2.30E-01	2.3E+04		1.8E+03	
SB-202	N		1	10/07/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	2.30E-01	2.1E+03		1.1E+02	
SB-202	N		1	10/07/21	SVOC	Benzoic Acid	65-85-0		U	1.40E+00	3.3E+06		2.5E+05	
SB-202	N		1	10/07/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	4.60E-01	2.5E+03		1.9E+02	
SB-202	N		1	10/07/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	4.60E-01	1.0E+01		2.3E+00	
SB-202	N		1	10/07/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	4.60E-01	1.6E+03		3.9E+02	
SB-202	N		1	10/07/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	4.60E-01				
SB-202	N		1	10/07/21	SVOC	Butylbenzylphthalate	85-68-7		U	4.60E-01	1.2E+04		2.9E+03	
SB-202	N		1	10/07/21	SVOC	Carbazole	86-74-8		U	2.30E-01	3.0E+04		2.4E+03	
SB-202	N		1	10/07/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	9.00E-01	8.2E+04		6.3E+03	
SB-202	N		1	10/07/21	SVOC	4-Chloroaniline	106-47-8		U	9.00E-01	1.1E+02		2.7E+01	
SB-202	N		1	10/07/21	SVOC	2-Chloronaphthalene	91-58-7		U	4.60E-01	6.0E+04		4.8E+03	
SB-202	N		1	10/07/21	SVOC	2-Chlorophenol	95-57-8		U	4.60E-01	5.8E+03		3.9E+02	
SB-202	N		1	10/07/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	4.60E-01				
SB-202	N		1	10/07/21	SVOC	Chrysene	218-01-9		U	2.30E-01	2.1E+04		1.1E+03	
SB-202	N		1	10/07/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	2.30E-01	2.1E+01		1.1E+00	
SB-202	N		1	10/07/21	SVOC	Dibenzofuran	132-64-9		U	4.60E-01	1.2E+03		7.8E+01	
SB-202	N		1	10/07/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	2.30E-01	5.1E+01		1.2E+01	
SB-202	N		1	10/07/21	SVOC	2,4-Dichlorophenol	120-83-2		U	4.60E-01	2.5E+03		1.9E+02	
SB-202	N		1	10/07/21	SVOC	Diethylphthalate	84-66-2		U	4.60E-01	6.6E+05		5.1E+04	
SB-202	N		1	10/07/21	SVOC	2,4-Dimethylphenol	105-67-9		U	4.60E-01	1.6E+04		1.3E+03	
SB-202	N		1	10/07/21	SVOC	Dimethylphthalate	131-11-3		U	4.60E-01	6.6E+05		5.1E+04	
SB-202	N		1	10/07/21	SVOC	Di-n-butylphthalate	84-74-2		U	4.60E-01	8.2E+04		6.3E+03	
SB-202	N		1	10/07/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	4.60E-01	6.6E+01		5.1E+00	
SB-202	N		1	10/07/21	SVOC	2,4-Dinitrophenol	51-28-5		U	9.00E-01	1.6E+03		1.3E+02	
SB-202	N		1	10/07/21	SVOC	Di-n-octylphthalate	117-84-0		U	4.60E-01	8.2E+03		6.3E+02	
SB-202	N		1	10/07/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	4.60E-01	2.9E+01		6.8E+00	
SB-202	N		1	10/07/21	SVOC	Fluoranthene	206-44-0		U	2.30E-01	3.0E+04		2.4E+03	
SB-202	N		1	10/07/21	SVOC	Fluorene	86-73-7		U	2.30E-01	3.0E+04		2.4E+03	
SB-202	N		1	10/07/21	SVOC	Hexachlorobenzene	118-74-1		U	4.60E-01	9.6E+00		7.8E-01	
SB-202	N		1	10/07/21	SVOC	Hexachlorobutadiene	87-68-3		U	4.60E-01	5.3E+01		1.2E+01	
SB-202	N		1	10/07/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	4.60E-01	7.5E+00		1.8E+00	
SB-202	N		1	10/07/21	SVOC	Hexachloroethane	67-72-1		U	4.60E-01	8.0E+01		1.8E+01	
SB-202	N		1	10/07/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	2.30E-01	2.1E+02		1.1E+01	
SB-202	N		1	10/07/21	SVOC	Isophorone	78-59-1		U	4.60E-01	2.4E+04		5.7E+03	
SB-202	N		1	10/07/21	SVOC	1-Methylnaphthalene	90-12-0		U	2.30E-01	7.3E+02		1.8E+02	
SB-202	N		1	10/07/21	SVOC	2-Methylnaphthalene	91-57-6		U	2.30E-01	3.0E+03		2.4E+02	
SB-202	N		1	10/07/21	SVOC	2-Methylphenol	95-48-7		U	4.60E-01	4.1E+04		3.2E+03	
SB-202	N		1	10/07/21	SVOC	3&4-Methylphenol	65794-96-9		U	4.60E-01				
SB-202	N		1	10/07/21	SVOC	Naphthalene	91-20-3		U	2.30E-01	8.6E+01		2.0E+01	
SB-202	N		1	10/07/21	SVOC	2-Nitroaniline	88-74-4		U	4.60E-01	8.0E+03		6.3E+02	



**Attachment 1-1: Soil Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-202	N		1	10/07/21	SVOC	3-Nitroaniline	99-09-2		U	4.60E-01	1.1E+03		2.5E+02	
SB-202	N		1	10/07/21	SVOC	4-Nitroaniline	100-01-6		U	4.60E-01	1.1E+03		2.5E+02	
SB-202	N		1	10/07/21	SVOC	2-Nitrophenol	88-75-5		U	4.60E-01				
SB-202	N		1	10/07/21	SVOC	4-Nitrophenol	100-02-7		U	9.00E-01				
SB-202	N		1	10/07/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	4.60E-01	3.4E-01		2.0E-02	
SB-202	N		1	10/07/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	4.60E-01	4.7E+03		1.1E+03	
SB-202	N		1	10/07/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	4.60E-01	3.3E+00		7.8E-01	
SB-202	N		1	10/07/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	4.60E-01	4.7E+04		3.1E+03	
SB-202	N		1	10/07/21	SVOC	Pentachloronitrobenzene	82-68-8		U	4.60E-01	1.3E+02		2.7E+01	
SB-202	N		1	10/07/21	SVOC	Pentachlorophenol	87-86-5		U	4.60E-01	4.0E+01		1.0E+01	
SB-202	N		1	10/07/21	SVOC	Phenanthrene	85-01-8		U	2.30E-01	2.3E+04		1.8E+03	
SB-202	N		1	10/07/21	SVOC	Phenol	108-95-2		U	4.60E-01	2.5E+05		1.9E+04	
SB-202	N		1	10/07/21	SVOC	Pyrene	129-00-0		U	2.30E-01	2.3E+04		1.8E+03	
SB-202	N		1	10/07/21	SVOC	Pyridine	110-86-1		U	4.60E-01	1.2E+03		7.8E+01	
SB-202	N		1	10/07/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	4.60E-01	3.5E+01		2.3E+00	
SB-202	N		1	10/07/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	4.60E-01	8.2E+04		6.3E+03	
SB-202	N		1	10/07/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	4.60E-01	8.2E+02		6.3E+01	
SB-202	N		1	10/07/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	4.60E-01	7.4E+01		1.7E+01	
SB-202	N		1	10/07/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	4.60E-01	1.5E+01		3.6E+00	
SB-202	N		1	10/07/21	NITRO	Nitrobenzene	98-95-3		U	4.60E-01	2.2E+02		5.1E+01	
SB-202	N		1	10/07/21	INORG	Aluminum	7429-90-5	8.30E+03		2.20E+01	1.1E+06	7.5E-03	7.7E+04	1.1E-01
SB-202	N		1	10/07/21	INORG	Antimony	7440-36-0		U	2.20E+00	4.7E+02		3.1E+01	
SB-202	N		1	10/07/21	INORG	Arsenic	7440-38-2	8.10E+00		4.40E+00	3.0E+01	2.7E-01	6.8E+00	1.2E+00
SB-202	N		1	10/07/21	INORG	Barium	7440-39-3	7.30E+01		2.20E+00	2.2E+05	3.3E-04	1.5E+04	4.9E-03
SB-202	N		1	10/07/21	INORG	Beryllium	7440-41-7	3.40E-01		2.20E-01	2.3E+03	1.5E-04	1.6E+02	2.1E-03
SB-202	N		1	10/07/21	INORG	Cadmium	7440-43-9		U	4.40E-01	1.0E+02		7.1E+00	
SB-202	N		1	10/07/21	INORG	Chromium (total)	7440-47-3	1.60E+01		8.80E-01	1.8E+06	8.9E-06	1.2E+05	1.3E-04
SB-202	N		1	10/07/21	INORG	Cobalt	7440-48-4	4.50E+00		2.20E+00	3.5E+02	1.3E-02	2.3E+01	2.0E-01
SB-202	N		1	10/07/21	INORG	Copper	7440-50-8	2.40E+01		8.80E-01	4.7E+04	5.1E-04	3.1E+03	7.7E-03
SB-202	N		1	10/07/21	INORG	Iron	7439-89-6	3.00E+04		4.40E+02	8.2E+05	3.7E-02	5.5E+04	5.5E-01
SB-202	N		1	10/07/21	INORG	Lead	7439-92-1	1.80E+01		6.60E-01	8.0E+02	2.3E-02	2.0E+02	9.0E-02
SB-202	N		1	10/07/21	INORG	Manganese	7439-96-5	9.80E+01		4.40E-01	2.6E+04	3.8E-03	1.8E+03	5.4E-02
SB-202	N		1	10/07/21	INORG	Mercury	7439-97-6		U	3.80E-02	4.1E+01		7.4E+00	
SB-202	N		1	10/07/21	INORG	Nickel	7440-02-0	9.20E+00		8.80E-01	2.2E+04	4.2E-04	1.5E+03	6.1E-03
SB-202	N		1	10/07/21	INORG	Selenium	7782-49-2		U	4.40E+00	5.8E+03		3.9E+02	
SB-202	N		1	10/07/21	INORG	Silver	7440-22-4		U	4.40E-01	5.8E+03		3.9E+02	
SB-202	N		1	10/07/21	INORG	Thallium	7440-28-0	1.30E+00	J	2.20E+00	1.2E+01	1.1E-01	7.8E-01	1.7E+00
SB-202	N		1	10/07/21	INORG	Vanadium	7440-62-2	2.60E+01		8.80E-01	5.8E+03	4.5E-03	3.9E+02	6.7E-02
SB-202	N		1	10/07/21	INORG	Zinc	7440-66-6	3.20E+01		8.80E-01	3.5E+05	9.1E-05	2.3E+04	1.4E-03
SB-202	N	25	30	10/07/21	VOC	Acetone	67-64-1		U	8.60E-02	1.1E+06		7.0E+04	
SB-202	N	25	30	10/07/21	VOC	Acrylonitrile	107-13-1		U	5.20E-03	1.1E+01		2.5E+00	
SB-202	N	25	30	10/07/21	VOC	Benzene	71-43-2		U	1.70E-03	5.1E+01		1.2E+01	
SB-202	N	25	30	10/07/21	VOC	Bromobenzene	108-86-1		U	1.70E-03	1.8E+03		2.9E+02	
SB-202	N	25	30	10/07/21	VOC	Bromochloromethane	74-97-5		U	1.70E-03	6.3E+02		1.5E+02	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-202	N	25	30	10/07/21	VOC	Bromodichloromethane	75-27-4		U	1.70E-03	1.3E+01		2.9E+00	
SB-202	N	25	30	10/07/21	VOC	Bromoform	75-25-2		U	1.70E-03	8.6E+02		1.9E+02	
SB-202	N	25	30	10/07/21	VOC	Bromomethane	74-83-9		U	8.60E-03	3.0E+01		6.8E+00	
SB-202	N	25	30	10/07/21	VOC	2-Butanone	78-93-3		U	3.50E-02	1.9E+05		2.7E+04	
SB-202	N	25	30	10/07/21	VOC	n-Butylbenzene	104-51-8		U	1.70E-03	5.8E+04		3.9E+03	
SB-202	N	25	30	10/07/21	VOC	sec-Butylbenzene	135-98-8		U	1.70E-03	1.2E+05		7.8E+03	
SB-202	N	25	30	10/07/21	VOC	tert-Butylbenzene	98-06-6		U	3.50E-03	1.2E+05		7.8E+03	
SB-202	N	25	30	10/07/21	VOC	Carbon Disulfide	75-15-0		U	8.60E-03	3.5E+03		7.7E+02	
SB-202	N	25	30	10/07/21	VOC	Carbon Tetrachloride	56-23-5		U	1.70E-03	2.9E+01		6.5E+00	
SB-202	N	25	30	10/07/21	VOC	Chlorobenzene	108-90-7		U	1.70E-03	1.3E+03		2.8E+02	
SB-202	N	25	30	10/07/21	VOC	Chloroethane	75-00-3		U	1.70E-02	2.3E+04		5.4E+03	
SB-202	N	25	30	10/07/21	VOC	Chloroform	67-66-3		U	3.50E-03	1.4E+01		3.2E+00	
SB-202	N	25	30	10/07/21	VOC	Chloromethane	74-87-3		U	8.60E-03	4.6E+02		1.1E+02	
SB-202	N	25	30	10/07/21	VOC	2-Chlorotoluene	95-49-8		U	1.70E-03	2.3E+04		1.6E+03	
SB-202	N	25	30	10/07/21	VOC	4-Chlorotoluene	106-43-4		U	1.70E-03	2.3E+04		1.6E+03	
SB-202	N	25	30	10/07/21	VOC	Cumene	98-82-8		U	1.70E-03	9.9E+03		1.9E+03	
SB-202	N	25	30	10/07/21	VOC	p-Cymene	99-87-6		U	1.70E-03				
SB-202	N	25	30	10/07/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8		U	1.70E-03	6.4E-01		5.3E-02	
SB-202	N	25	30	10/07/21	VOC	Dibromochloromethane	124-48-1		U	8.60E-04	3.9E+02		8.3E+01	
SB-202	N	25	30	10/07/21	VOC	1,2-Dibromoethane	106-93-4		U	8.60E-04	1.6E+00		3.6E-01	
SB-202	N	25	30	10/07/21	VOC	Dibromomethane	74-95-3		U	1.70E-03	9.9E+01		2.4E+01	
SB-202	N	25	30	10/07/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6		U	3.50E-03	3.2E-01		7.4E-02	
SB-202	N	25	30	10/07/21	VOC	1,2-Dichlorobenzene	95-50-1		U	1.70E-03	9.3E+03		1.8E+03	
SB-202	N	25	30	10/07/21	VOC	1,3-Dichlorobenzene	541-73-1		U	1.70E-03	1.1E+02		2.6E+01	
SB-202	N	25	30	10/07/21	VOC	1,4-Dichlorobenzene	106-46-7		U	1.70E-03	1.1E+02		2.6E+01	
SB-202	N	25	30	10/07/21	VOC	Dichlorodifluoromethane	75-71-8		U	1.70E-02	3.7E+02		8.7E+01	
SB-202	N	25	30	10/07/21	VOC	1,1-Dichloroethane	75-34-3		U	1.70E-03	1.6E+02		3.6E+01	
SB-202	N	25	30	10/07/21	VOC	1,2-Dichloroethane	107-06-2		U	1.70E-03	2.0E+01		4.6E+00	
SB-202	N	25	30	10/07/21	VOC	1,1-Dichloroethene	75-35-4		U	3.50E-03	1.0E+03		2.3E+02	
SB-202	N	25	30	10/07/21	VOC	cis-1,2-Dichloroethene	156-59-2		U	1.70E-03	3.7E+02		6.3E+01	
SB-202	N	25	30	10/07/21	VOC	trans-1,2-Dichloroethene	156-60-5		U	1.70E-03	3.0E+02		7.0E+01	
SB-202	N	25	30	10/07/21	VOC	1,2-Dichloropropane	78-87-5		U	1.70E-03	6.6E+01		1.6E+01	
SB-202	N	25	30	10/07/21	VOC	1,3-Dichloropropane	142-28-9		U	8.60E-04	2.3E+04		1.6E+03	
SB-202	N	25	30	10/07/21	VOC	2,2-Dichloropropane	594-20-7		U	1.70E-03				
SB-202	N	25	30	10/07/21	VOC	1,1-Dichloropropene	563-58-6		U	1.70E-03				
SB-202	N	25	30	10/07/21	VOC	1,3-Dichloropropene (total)	542-75-6		U	8.60E-04	8.2E+01		1.8E+01	
SB-202	N	25	30	10/07/21	VOC	1,4-Dioxane	123-91-1		U	8.60E-02	2.4E+02		5.3E+01	
SB-202	N	25	30	10/07/21	VOC	Ethyl tert-butyl ether	637-92-3		U	8.60E-04	5.6E+03		1.3E+03	
SB-202	N	25	30	10/07/21	VOC	Ethyl Benzene	100-41-4		U	1.70E-03	2.5E+02		5.8E+01	
SB-202	N	25	30	10/07/21	VOC	Diethyl ether	60-29-7		U	1.70E-02	2.3E+05		1.6E+04	
SB-202	N	25	30	10/07/21	VOC	2-Hexanone	591-78-6		U	1.70E-02	1.3E+03		2.0E+02	
SB-202	N	25	30	10/07/21	VOC	Methyl Acetate	79-20-9		U	1.70E-03	1.2E+06		7.8E+04	
SB-202	N	25	30	10/07/21	VOC	Methyl tert-butyl ether	1634-04-4		U	3.50E-03	2.1E+03		4.7E+02	
SB-202	N	25	30	10/07/21	VOC	4-Methyl-2-pentanone	108-10-1		U	1.70E-02	1.4E+05		3.3E+04	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-202	N	25	30	10/07/21	VOC	Methylcyclohexane	108-87-2		U	1.70E-03	2.7E+04		6.5E+03	
SB-202	N	25	30	10/07/21	VOC	Methylene Chloride	75-09-2	6.20E-04	J	1.70E-02	3.2E+03	1.9E-07	3.5E+02	1.8E-06
SB-202	N	25	30	10/07/21	VOC	Diisopropyl ether	108-20-3		U	8.60E-04	9.4E+03		2.2E+03	
SB-202	N	25	30	10/07/21	VOC	n-Propylbenzene	103-65-1		U	1.70E-03	2.4E+04		3.8E+03	
SB-202	N	25	30	10/07/21	VOC	Styrene	100-42-5		U	1.70E-03	3.5E+04		6.0E+03	
SB-202	N	25	30	10/07/21	VOC	tert-Butyl alcohol	75-65-0		U	8.60E-02	6.5E+04		1.4E+04	
SB-202	N	25	30	10/07/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6		U	1.70E-03	8.8E+01		2.0E+01	
SB-202	N	25	30	10/07/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5		U	8.60E-04	2.7E+01		6.0E+00	
SB-202	N	25	30	10/07/21	VOC	Tetrachloroethene	127-18-4		U	1.70E-03	3.9E+02		8.1E+01	
SB-202	N	25	30	10/07/21	VOC	Tetrahydrofuran	109-99-9		U	8.60E-03	9.5E+04		1.8E+04	
SB-202	N	25	30	10/07/21	VOC	Toluene	108-88-3		U	1.70E-03	4.7E+04		4.9E+03	
SB-202	N	25	30	10/07/21	VOC	1,2,3-Trichlorobenzene	87-61-6		U	1.70E-03	9.3E+02		6.3E+01	
SB-202	N	25	30	10/07/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	1.70E-03	2.6E+02		5.8E+01	
SB-202	N	25	30	10/07/21	VOC	1,3,5-Trichlorobenzene	108-70-3		U	1.70E-03				
SB-202	N	25	30	10/07/21	VOC	1,1,1-Trichloroethane	71-55-6		U	1.70E-03	3.6E+04		8.1E+03	
SB-202	N	25	30	10/07/21	VOC	1,1,2-Trichloroethane	79-00-5		U	1.70E-03	6.3E+00		1.5E+00	
SB-202	N	25	30	10/07/21	VOC	Trichloroethene	79-01-6		U	1.70E-03	1.9E+01		4.1E+00	
SB-202	N	25	30	10/07/21	VOC	Trichlorofluoromethane	75-69-4		U	8.60E-03	3.5E+05		2.3E+04	
SB-202	N	25	30	10/07/21	VOC	1,2,3-Trichloropropane	96-18-4		U	1.70E-03	1.1E+00		5.1E-02	
SB-202	N	25	30	10/07/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		U	8.60E-03	2.8E+04		6.7E+03	
SB-202	N	25	30	10/07/21	VOC	1,2,4-Trimethylbenzene	95-63-6		U	1.70E-03	1.8E+03		3.0E+02	
SB-202	N	25	30	10/07/21	VOC	1,3,5-Trimethylbenzene	108-67-8		U	1.70E-03	1.5E+03		2.7E+02	
SB-202	N	25	30	10/07/21	VOC	Vinyl Chloride	75-01-4		U	8.60E-03	1.7E+01		5.9E-01	
SB-202	N	25	30	10/07/21	VOC	Xylenes (total)	1330-20-7		U	3.50E-03	2.5E+03		5.8E+02	
SB-202	N	25	30	10/07/21	SVOC	Acenaphthene	83-32-9		U	2.10E-01	4.5E+04		3.6E+03	
SB-202	N	25	30	10/07/21	SVOC	Acenaphthylene	208-96-8		U	2.10E-01	2.3E+04		1.8E+03	
SB-202	N	25	30	10/07/21	SVOC	Acetophenone	98-86-2		U	4.20E-01	1.2E+05		7.8E+03	
SB-202	N	25	30	10/07/21	SVOC	t-Amyl methyl ether	994-05-8		U	8.60E-04				
SB-202	N	25	30	10/07/21	SVOC	Aniline	62-53-3		U	4.20E-01	4.0E+03		4.4E+02	
SB-202	N	25	30	10/07/21	SVOC	Anthracene	120-12-7		U	2.10E-01	2.3E+05		1.8E+04	
SB-202	N	25	30	10/07/21	SVOC	Benzidine	92-87-5		U	8.20E-01	1.0E-01		5.3E-03	
SB-202	N	25	30	10/07/21	SVOC	Benzo(a)anthracene	56-55-3		U	2.10E-01	2.1E+02		1.1E+01	
SB-202	N	25	30	10/07/21	SVOC	Benzo(a)pyrene	50-32-8		U	2.10E-01	2.1E+01		1.1E+00	
SB-202	N	25	30	10/07/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	2.10E-01	2.1E+02		1.1E+01	
SB-202	N	25	30	10/07/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	2.10E-01	2.3E+04		1.8E+03	
SB-202	N	25	30	10/07/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	2.10E-01	2.1E+03		1.1E+02	
SB-202	N	25	30	10/07/21	SVOC	Benzoic Acid	65-85-0		U	1.20E+00	3.3E+06		2.5E+05	
SB-202	N	25	30	10/07/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	4.20E-01	2.5E+03		1.9E+02	
SB-202	N	25	30	10/07/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	4.20E-01	1.0E+01		2.3E+00	
SB-202	N	25	30	10/07/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	4.20E-01	1.6E+03		3.9E+02	
SB-202	N	25	30	10/07/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	4.20E-01				
SB-202	N	25	30	10/07/21	SVOC	Butylbenzylphthalate	85-68-7		U	4.20E-01	1.2E+04		2.9E+03	
SB-202	N	25	30	10/07/21	SVOC	Carbazole	86-74-8		U	2.10E-01	3.0E+04		2.4E+03	
SB-202	N	25	30	10/07/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	8.20E-01	8.2E+04		6.3E+03	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-202	N	25	30	10/07/21	SVOC	4-Chloroaniline	106-47-8		U	8.20E-01	1.1E+02		2.7E+01	
SB-202	N	25	30	10/07/21	SVOC	2-Chloronaphthalene	91-58-7		U	4.20E-01	6.0E+04		4.8E+03	
SB-202	N	25	30	10/07/21	SVOC	2-Chlorophenol	95-57-8		U	4.20E-01	5.8E+03		3.9E+02	
SB-202	N	25	30	10/07/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	4.20E-01				
SB-202	N	25	30	10/07/21	SVOC	Chrysene	218-01-9		U	2.10E-01	2.1E+04		1.1E+03	
SB-202	N	25	30	10/07/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	2.10E-01	2.1E+01		1.1E+00	
SB-202	N	25	30	10/07/21	SVOC	Dibenzofuran	132-64-9		U	4.20E-01	1.2E+03		7.8E+01	
SB-202	N	25	30	10/07/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	2.10E-01	5.1E+01		1.2E+01	
SB-202	N	25	30	10/07/21	SVOC	2,4-Dichlorophenol	120-83-2		U	4.20E-01	2.5E+03		1.9E+02	
SB-202	N	25	30	10/07/21	SVOC	Diethylphthalate	84-66-2		U	4.20E-01	6.6E+05		5.1E+04	
SB-202	N	25	30	10/07/21	SVOC	2,4-Dimethylphenol	105-67-9		U	4.20E-01	1.6E+04		1.3E+03	
SB-202	N	25	30	10/07/21	SVOC	Dimethylphthalate	131-11-3		U	4.20E-01	6.6E+05		5.1E+04	
SB-202	N	25	30	10/07/21	SVOC	Di-n-butylphthalate	84-74-2		U	4.20E-01	8.2E+04		6.3E+03	
SB-202	N	25	30	10/07/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	4.20E-01	6.6E+01		5.1E+00	
SB-202	N	25	30	10/07/21	SVOC	2,4-Dinitrophenol	51-28-5		U	8.20E-01	1.6E+03		1.3E+02	
SB-202	N	25	30	10/07/21	SVOC	Di-n-octylphthalate	117-84-0		U	4.20E-01	8.2E+03		6.3E+02	
SB-202	N	25	30	10/07/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	4.20E-01	2.9E+01		6.8E+00	
SB-202	N	25	30	10/07/21	SVOC	Fluoranthene	206-44-0		U	2.10E-01	3.0E+04		2.4E+03	
SB-202	N	25	30	10/07/21	SVOC	Fluorene	86-73-7		U	2.10E-01	3.0E+04		2.4E+03	
SB-202	N	25	30	10/07/21	SVOC	Hexachlorobenzene	118-74-1		U	4.20E-01	9.6E+00		7.8E-01	
SB-202	N	25	30	10/07/21	SVOC	Hexachlorobutadiene	87-68-3		U	1.70E-03	5.3E+01		1.2E+01	
SB-202	N	25	30	10/07/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	4.20E-01	7.5E+00		1.8E+00	
SB-202	N	25	30	10/07/21	SVOC	Hexachloroethane	67-72-1		U	4.20E-01	8.0E+01		1.8E+01	
SB-202	N	25	30	10/07/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	2.10E-01	2.1E+02		1.1E+01	
SB-202	N	25	30	10/07/21	SVOC	Isophorone	78-59-1		U	4.20E-01	2.4E+04		5.7E+03	
SB-202	N	25	30	10/07/21	SVOC	1-Methylnaphthalene	90-12-0		U	2.10E-01	7.3E+02		1.8E+02	
SB-202	N	25	30	10/07/21	SVOC	2-Methylnaphthalene	91-57-6		U	2.10E-01	3.0E+03		2.4E+02	
SB-202	N	25	30	10/07/21	SVOC	2-Methylphenol	95-48-7		U	4.20E-01	4.1E+04		3.2E+03	
SB-202	N	25	30	10/07/21	SVOC	3&4-Methylphenol	65794-96-9		U	4.20E-01				
SB-202	N	25	30	10/07/21	SVOC	Naphthalene	91-20-3		U	3.50E-03	8.6E+01		2.0E+01	
SB-202	N	25	30	10/07/21	SVOC	2-Nitroaniline	88-74-4		U	4.20E-01	8.0E+03		6.3E+02	
SB-202	N	25	30	10/07/21	SVOC	3-Nitroaniline	99-09-2		U	4.20E-01	1.1E+03		2.5E+02	
SB-202	N	25	30	10/07/21	SVOC	4-Nitroaniline	100-01-6		U	4.20E-01	1.1E+03		2.5E+02	
SB-202	N	25	30	10/07/21	SVOC	2-Nitrophenol	88-75-5		U	4.20E-01				
SB-202	N	25	30	10/07/21	SVOC	4-Nitrophenol	100-02-7		U	8.20E-01				
SB-202	N	25	30	10/07/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	4.20E-01	3.4E-01		2.0E-02	
SB-202	N	25	30	10/07/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	4.20E-01	4.7E+03		1.1E+03	
SB-202	N	25	30	10/07/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	4.20E-01	3.3E+00		7.8E-01	
SB-202	N	25	30	10/07/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	4.20E-01	4.7E+04		3.1E+03	
SB-202	N	25	30	10/07/21	SVOC	Pentachloronitrobenzene	82-68-8		U	4.20E-01	1.3E+02		2.7E+01	
SB-202	N	25	30	10/07/21	SVOC	Pentachlorophenol	87-86-5		U	4.20E-01	4.0E+01		1.0E+01	
SB-202	N	25	30	10/07/21	SVOC	Phenanthrene	85-01-8		U	2.10E-01	2.3E+04		1.8E+03	
SB-202	N	25	30	10/07/21	SVOC	Phenol	108-95-2		U	4.20E-01	2.5E+05		1.9E+04	
SB-202	N	25	30	10/07/21	SVOC	Pyrene	129-00-0		U	2.10E-01	2.3E+04		1.8E+03	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-202	N	25	30	10/07/21	SVOC	Pyridine	110-86-1		U	4.20E-01	1.2E+03		7.8E+01	
SB-202	N	25	30	10/07/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	4.20E-01	3.5E+01		2.3E+00	
SB-202	N	25	30	10/07/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	4.20E-01	8.2E+04		6.3E+03	
SB-202	N	25	30	10/07/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	4.20E-01	8.2E+02		6.3E+01	
SB-202	N	25	30	10/07/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	4.20E-01	7.4E+01		1.7E+01	
SB-202	N	25	30	10/07/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	4.20E-01	1.5E+01		3.6E+00	
SB-202	N	25	30	10/07/21	NITRO	Nitrobenzene	98-95-3		U	4.20E-01	2.2E+02		5.1E+01	
SB-202	N	25	30	10/07/21	INORG	Aluminum	7429-90-5	1.20E+04		2.10E+01	1.1E+06	1.1E-02	7.7E+04	1.6E-01
SB-202	N	25	30	10/07/21	INORG	Antimony	7440-36-0		U	2.10E+00	4.7E+02		3.1E+01	
SB-202	N	25	30	10/07/21	INORG	Arsenic	7440-38-2	6.30E+00		4.10E+00	3.0E+01	2.1E-01	6.8E+00	9.3E-01
SB-202	N	25	30	10/07/21	INORG	Barium	7440-39-3	5.90E+01		2.10E+00	2.2E+05	2.7E-04	1.5E+04	3.9E-03
SB-202	N	25	30	10/07/21	INORG	Beryllium	7440-41-7	6.10E-01		2.10E-01	2.3E+03	2.7E-04	1.6E+02	3.8E-03
SB-202	N	25	30	10/07/21	INORG	Cadmium	7440-43-9	3.40E-01	J	4.10E-01	1.0E+02	3.4E-03	7.1E+00	4.8E-02
SB-202	N	25	30	10/07/21	INORG	Chromium (total)	7440-47-3	1.80E+01		8.30E-01	1.8E+06	1.0E-05	1.2E+05	1.5E-04
SB-202	N	25	30	10/07/21	INORG	Cobalt	7440-48-4	8.50E+00		2.10E+00	3.5E+02	2.4E-02	2.3E+01	3.7E-01
SB-202	N	25	30	10/07/21	INORG	Copper	7440-50-8	1.40E+01		8.30E-01	4.7E+04	3.0E-04	3.1E+03	4.5E-03
SB-202	N	25	30	10/07/21	INORG	Iron	7439-89-6	3.00E+04		4.10E+02	8.2E+05	3.7E-02	5.5E+04	5.5E-01
SB-202	N	25	30	10/07/21	INORG	Lead	7439-92-1	1.50E+01		6.20E-01	8.0E+02	1.9E-02	2.0E+02	7.5E-02
SB-202	N	25	30	10/07/21	INORG	Manganese	7439-96-5	1.20E+02		4.10E-01	2.6E+04	4.6E-03	1.8E+03	6.7E-02
SB-202	N	25	30	10/07/21	INORG	Mercury	7439-97-6	3.10E-02	J	3.20E-02	4.1E+01	7.6E-04	7.4E+00	4.2E-03
SB-202	N	25	30	10/07/21	INORG	Nickel	7440-02-0	1.20E+01		8.30E-01	2.2E+04	5.5E-04	1.5E+03	8.0E-03
SB-202	N	25	30	10/07/21	INORG	Selenium	7782-49-2		U	4.10E+00	5.8E+03		3.9E+02	
SB-202	N	25	30	10/07/21	INORG	Silver	7440-22-4		U	4.10E-01	5.8E+03		3.9E+02	
SB-202	N	25	30	10/07/21	INORG	Thallium	7440-28-0	1.60E+00	J	2.10E+00	1.2E+01	1.3E-01	7.8E-01	2.1E+00
SB-202	N	25	30	10/07/21	INORG	Vanadium	7440-62-2	2.80E+01		8.30E-01	5.8E+03	4.8E-03	3.9E+02	7.2E-02
SB-202	N	25	30	10/07/21	INORG	Zinc	7440-66-6	5.50E+01		8.30E-01	3.5E+05	1.6E-04	2.3E+04	2.4E-03
SB-203	N		1	10/12/21	VOC	1,2-Dichlorobenzene	95-50-1		U	4.00E-01	9.3E+03		1.8E+03	
SB-203	N		1	10/12/21	VOC	1,3-Dichlorobenzene	541-73-1		U	4.00E-01	1.1E+02		2.6E+01	
SB-203	N		1	10/12/21	VOC	1,4-Dichlorobenzene	106-46-7		U	4.00E-01	1.1E+02		2.6E+01	
SB-203	N		1	10/12/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	4.00E-01	2.6E+02		5.8E+01	
SB-203	N		1	10/12/21	SVOC	Acenaphthene	83-32-9		U	2.00E-01	4.5E+04		3.6E+03	
SB-203	N		1	10/12/21	SVOC	Acenaphthylene	208-96-8		U	2.00E-01	2.3E+04		1.8E+03	
SB-203	N		1	10/12/21	SVOC	Acetophenone	98-86-2		U	4.00E-01	1.2E+05		7.8E+03	
SB-203	N		1	10/12/21	SVOC	Aniline	62-53-3		U	4.00E-01	4.0E+03		4.4E+02	
SB-203	N		1	10/12/21	SVOC	Anthracene	120-12-7		U	2.00E-01	2.3E+05		1.8E+04	
SB-203	N		1	10/12/21	SVOC	Benzidine	92-87-5		U	7.70E-01	1.0E-01		5.3E-03	
SB-203	N		1	10/12/21	SVOC	Benzo(a)anthracene	56-55-3		U	2.00E-01	2.1E+02		1.1E+01	
SB-203	N		1	10/12/21	SVOC	Benzo(a)pyrene	50-32-8		U	2.00E-01	2.1E+01		1.1E+00	
SB-203	N		1	10/12/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	2.00E-01	2.1E+02		1.1E+01	
SB-203	N		1	10/12/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	2.00E-01	2.3E+04		1.8E+03	
SB-203	N		1	10/12/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	2.00E-01	2.1E+03		1.1E+02	
SB-203	N		1	10/12/21	SVOC	Benzoic Acid	65-85-0		U	1.20E+00	3.3E+06		2.5E+05	
SB-203	N		1	10/12/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	4.00E-01	2.5E+03		1.9E+02	
SB-203	N		1	10/12/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	4.00E-01	1.0E+01		2.3E+00	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-203	N		1	10/12/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	4.00E-01	1.6E+03		3.9E+02	
SB-203	N		1	10/12/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	4.00E-01				
SB-203	N		1	10/12/21	SVOC	Butylbenzylphthalate	85-68-7		U	4.00E-01	1.2E+04		2.9E+03	
SB-203	N		1	10/12/21	SVOC	Carbazole	86-74-8		U	2.00E-01	3.0E+04		2.4E+03	
SB-203	N		1	10/12/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.70E-01	8.2E+04		6.3E+03	
SB-203	N		1	10/12/21	SVOC	4-Chloroaniline	106-47-8		U	7.70E-01	1.1E+02		2.7E+01	
SB-203	N		1	10/12/21	SVOC	2-Chloronaphthalene	91-58-7		U	4.00E-01	6.0E+04		4.8E+03	
SB-203	N		1	10/12/21	SVOC	2-Chlorophenol	95-57-8		U	4.00E-01	5.8E+03		3.9E+02	
SB-203	N		1	10/12/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	4.00E-01				
SB-203	N		1	10/12/21	SVOC	Chrysene	218-01-9		U	2.00E-01	2.1E+04		1.1E+03	
SB-203	N		1	10/12/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	2.00E-01	2.1E+01		1.1E+00	
SB-203	N		1	10/12/21	SVOC	Dibenzofuran	132-64-9		U	4.00E-01	1.2E+03		7.8E+01	
SB-203	N		1	10/12/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	2.00E-01	5.1E+01		1.2E+01	
SB-203	N		1	10/12/21	SVOC	2,4-Dichlorophenol	120-83-2		U	4.00E-01	2.5E+03		1.9E+02	
SB-203	N		1	10/12/21	SVOC	Diethylphthalate	84-66-2		U	4.00E-01	6.6E+05		5.1E+04	
SB-203	N		1	10/12/21	SVOC	2,4-Dimethylphenol	105-67-9		U	4.00E-01	1.6E+04		1.3E+03	
SB-203	N		1	10/12/21	SVOC	Dimethylphthalate	131-11-3		U	4.00E-01	6.6E+05		5.1E+04	
SB-203	N		1	10/12/21	SVOC	Di-n-butylphthalate	84-74-2		U	4.00E-01	8.2E+04		6.3E+03	
SB-203	N		1	10/12/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	4.00E-01	6.6E+01		5.1E+00	
SB-203	N		1	10/12/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.70E-01	1.6E+03		1.3E+02	
SB-203	N		1	10/12/21	SVOC	Di-n-octylphthalate	117-84-0		U	4.00E-01	8.2E+03		6.3E+02	
SB-203	N		1	10/12/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	4.00E-01	2.9E+01		6.8E+00	
SB-203	N		1	10/12/21	SVOC	Fluoranthene	206-44-0		U	2.00E-01	3.0E+04		2.4E+03	
SB-203	N		1	10/12/21	SVOC	Fluorene	86-73-7		U	2.00E-01	3.0E+04		2.4E+03	
SB-203	N		1	10/12/21	SVOC	Hexachlorobenzene	118-74-1		U	4.00E-01	9.6E+00		7.8E-01	
SB-203	N		1	10/12/21	SVOC	Hexachlorobutadiene	87-68-3		U	4.00E-01	5.3E+01		1.2E+01	
SB-203	N		1	10/12/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	4.00E-01	7.5E+00		1.8E+00	
SB-203	N		1	10/12/21	SVOC	Hexachloroethane	67-72-1		U	4.00E-01	8.0E+01		1.8E+01	
SB-203	N		1	10/12/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	2.00E-01	2.1E+02		1.1E+01	
SB-203	N		1	10/12/21	SVOC	Isophorone	78-59-1		U	4.00E-01	2.4E+04		5.7E+03	
SB-203	N		1	10/12/21	SVOC	1-Methylnaphthalene	90-12-0	6.80E-02	J	2.00E-01	7.3E+02	9.3E-05	1.8E+02	3.8E-04
SB-203	N		1	10/12/21	SVOC	2-Methylnaphthalene	91-57-6	9.80E-02	J	2.00E-01	3.0E+03	3.3E-05	2.4E+02	4.1E-04
SB-203	N		1	10/12/21	SVOC	2-Methylphenol	95-48-7		U	4.00E-01	4.1E+04		3.2E+03	
SB-203	N		1	10/12/21	SVOC	3&4-Methylphenol	65794-96-9		U	4.00E-01				
SB-203	N		1	10/12/21	SVOC	Naphthalene	91-20-3	7.60E-02	J	2.00E-01	8.6E+01	8.8E-04	2.0E+01	3.8E-03
SB-203	N		1	10/12/21	SVOC	2-Nitroaniline	88-74-4		U	4.00E-01	8.0E+03		6.3E+02	
SB-203	N		1	10/12/21	SVOC	3-Nitroaniline	99-09-2		U	4.00E-01	1.1E+03		2.5E+02	
SB-203	N		1	10/12/21	SVOC	4-Nitroaniline	100-01-6		U	4.00E-01	1.1E+03		2.5E+02	
SB-203	N		1	10/12/21	SVOC	2-Nitrophenol	88-75-5		U	4.00E-01				
SB-203	N		1	10/12/21	SVOC	4-Nitrophenol	100-02-7		U	7.70E-01				
SB-203	N		1	10/12/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	4.00E-01	3.4E-01		2.0E-02	
SB-203	N		1	10/12/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	4.00E-01	4.7E+03		1.1E+03	
SB-203	N		1	10/12/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	4.00E-01	3.3E+00		7.8E-01	
SB-203	N		1	10/12/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	4.00E-01	4.7E+04		3.1E+03	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-203	N		1	10/12/21	SVOC	Pentachloronitrobenzene	82-68-8		U	4.00E-01	1.3E+02		2.7E+01	
SB-203	N		1	10/12/21	SVOC	Pentachlorophenol	87-86-5		U	4.00E-01	4.0E+01		1.0E+01	
SB-203	N		1	10/12/21	SVOC	Phenanthrene	85-01-8	9.40E-02	J	2.00E-01	2.3E+04	4.1E-06	1.8E+03	5.2E-05
SB-203	N		1	10/12/21	SVOC	Phenol	108-95-2		U	4.00E-01	2.5E+05		1.9E+04	
SB-203	N		1	10/12/21	SVOC	Pyrene	129-00-0		U	2.00E-01	2.3E+04		1.8E+03	
SB-203	N		1	10/12/21	SVOC	Pyridine	110-86-1		U	4.00E-01	1.2E+03		7.8E+01	
SB-203	N		1	10/12/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	4.00E-01	3.5E+01		2.3E+00	
SB-203	N		1	10/12/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	4.00E-01	8.2E+04		6.3E+03	
SB-203	N		1	10/12/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	4.00E-01	8.2E+02		6.3E+01	
SB-203	N		1	10/12/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	4.00E-01	7.4E+01		1.7E+01	
SB-203	N		1	10/12/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	4.00E-01	1.5E+01		3.6E+00	
SB-203	N		1	10/12/21	NITRO	Nitrobenzene	98-95-3		U	4.00E-01	2.2E+02		5.1E+01	
SB-203	N		1	10/12/21	INORG	Aluminum	7429-90-5	5.10E+03		1.90E+01	1.1E+06	4.6E-03	7.7E+04	6.6E-02
SB-203	N		1	10/12/21	INORG	Antimony	7440-36-0		U	1.90E+00	4.7E+02		3.1E+01	
SB-203	N		1	10/12/21	INORG	Arsenic	7440-38-2	1.50E+01		3.80E+00	3.0E+01	5.0E-01	6.8E+00	2.2E+00
SB-203	N		1	10/12/21	INORG	Barium	7440-39-3	6.20E+01		1.90E+00	2.2E+05	2.8E-04	1.5E+04	4.1E-03
SB-203	N		1	10/12/21	INORG	Beryllium	7440-41-7	5.80E-01		1.90E-01	2.3E+03	2.5E-04	1.6E+02	3.6E-03
SB-203	N		1	10/12/21	INORG	Cadmium	7440-43-9	5.20E-01		3.80E-01	1.0E+02	5.2E-03	7.1E+00	7.3E-02
SB-203	N		1	10/12/21	INORG	Chromium (total)	7440-47-3	2.30E+01		7.70E-01	1.8E+06	1.3E-05	1.2E+05	1.9E-04
SB-203	N		1	10/12/21	INORG	Cobalt	7440-48-4	5.30E+00		1.90E+00	3.5E+02	1.5E-02	2.3E+01	2.3E-01
SB-203	N		1	10/12/21	INORG	Copper	7440-50-8	5.10E+01		7.70E-01	4.7E+04	1.1E-03	3.1E+03	1.6E-02
SB-203	N		1	10/12/21	INORG	Iron	7439-89-6	1.30E+04		1.90E+01	8.2E+05	1.6E-02	5.5E+04	2.4E-01
SB-203	N		1	10/12/21	INORG	Lead	7439-92-1	1.60E+01		5.80E-01	8.0E+02	2.0E-02	2.0E+02	8.0E-02
SB-203	N		1	10/12/21	INORG	Manganese	7439-96-5	1.00E+02		3.80E-01	2.6E+04	3.8E-03	1.8E+03	5.6E-02
SB-203	N		1	10/12/21	INORG	Mercury	7439-97-6	4.90E-02		3.10E-02	4.1E+01	1.2E-03	7.4E+00	6.6E-03
SB-203	N		1	10/12/21	INORG	Nickel	7440-02-0	2.50E+01		7.70E-01	2.2E+04	1.1E-03	1.5E+03	1.7E-02
SB-203	N		1	10/12/21	INORG	Selenium	7782-49-2		U	3.80E+00	5.8E+03		3.9E+02	
SB-203	N		1	10/12/21	INORG	Silver	7440-22-4		U	3.80E-01	5.8E+03		3.9E+02	
SB-203	N		1	10/12/21	INORG	Thallium	7440-28-0		U	1.90E+00	1.2E+01		7.8E-01	
SB-203	N		1	10/12/21	INORG	Vanadium	7440-62-2	1.90E+01		7.70E-01	5.8E+03	3.3E-03	3.9E+02	4.9E-02
SB-203	N		1	10/12/21	INORG	Zinc	7440-66-6	1.20E+02		7.70E-01	3.5E+05	3.4E-04	2.3E+04	5.2E-03
SB-203	N	11	13	10/12/21	VOC	1,2-Dichlorobenzene	95-50-1		U	4.00E-01	9.3E+03		1.8E+03	
SB-203	N	11	13	10/12/21	VOC	1,3-Dichlorobenzene	541-73-1		U	4.00E-01	1.1E+02		2.6E+01	
SB-203	N	11	13	10/12/21	VOC	1,4-Dichlorobenzene	106-46-7		U	4.00E-01	1.1E+02		2.6E+01	
SB-203	N	11	13	10/12/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	4.00E-01	2.6E+02		5.8E+01	
SB-203	N	11	13	10/12/21	SVOC	Acenaphthene	83-32-9		U	2.00E-01	4.5E+04		3.6E+03	
SB-203	N	11	13	10/12/21	SVOC	Acenaphthylene	208-96-8		U	2.00E-01	2.3E+04		1.8E+03	
SB-203	N	11	13	10/12/21	SVOC	Acetophenone	98-86-2		U	4.00E-01	1.2E+05		7.8E+03	
SB-203	N	11	13	10/12/21	SVOC	Aniline	62-53-3		U	4.00E-01	4.0E+03		4.4E+02	
SB-203	N	11	13	10/12/21	SVOC	Anthracene	120-12-7		U	2.00E-01	2.3E+05		1.8E+04	
SB-203	N	11	13	10/12/21	SVOC	Benzidine	92-87-5		U	7.80E-01	1.0E-01		5.3E-03	
SB-203	N	11	13	10/12/21	SVOC	Benzo(a)anthracene	56-55-3		U	2.00E-01	2.1E+02		1.1E+01	
SB-203	N	11	13	10/12/21	SVOC	Benzo(a)pyrene	50-32-8		U	2.00E-01	2.1E+01		1.1E+00	
SB-203	N	11	13	10/12/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	2.00E-01	2.1E+02		1.1E+01	

**Attachment 1-1: Soil Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-203	N	11	13	10/12/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	2.00E-01	2.3E+04		1.8E+03	
SB-203	N	11	13	10/12/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	2.00E-01	2.1E+03		1.1E+02	
SB-203	N	11	13	10/12/21	SVOC	Benzoic Acid	65-85-0		U	1.20E+00	3.3E+06		2.5E+05	
SB-203	N	11	13	10/12/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	4.00E-01	2.5E+03		1.9E+02	
SB-203	N	11	13	10/12/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	4.00E-01	1.0E+01		2.3E+00	
SB-203	N	11	13	10/12/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	4.00E-01	1.6E+03		3.9E+02	
SB-203	N	11	13	10/12/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	4.00E-01				
SB-203	N	11	13	10/12/21	SVOC	Butylbenzylphthalate	85-68-7		U	4.00E-01	1.2E+04		2.9E+03	
SB-203	N	11	13	10/12/21	SVOC	Carbazole	86-74-8		U	2.00E-01	3.0E+04		2.4E+03	
SB-203	N	11	13	10/12/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.80E-01	8.2E+04		6.3E+03	
SB-203	N	11	13	10/12/21	SVOC	4-Chloroaniline	106-47-8		U	7.80E-01	1.1E+02		2.7E+01	
SB-203	N	11	13	10/12/21	SVOC	2-Chloronaphthalene	91-58-7		U	4.00E-01	6.0E+04		4.8E+03	
SB-203	N	11	13	10/12/21	SVOC	2-Chlorophenol	95-57-8		U	4.00E-01	5.8E+03		3.9E+02	
SB-203	N	11	13	10/12/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	4.00E-01				
SB-203	N	11	13	10/12/21	SVOC	Chrysene	218-01-9		U	2.00E-01	2.1E+04		1.1E+03	
SB-203	N	11	13	10/12/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	2.00E-01	2.1E+01		1.1E+00	
SB-203	N	11	13	10/12/21	SVOC	Dibenzofuran	132-64-9		U	4.00E-01	1.2E+03		7.8E+01	
SB-203	N	11	13	10/12/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	2.00E-01	5.1E+01		1.2E+01	
SB-203	N	11	13	10/12/21	SVOC	2,4-Dichlorophenol	120-83-2		U	4.00E-01	2.5E+03		1.9E+02	
SB-203	N	11	13	10/12/21	SVOC	Diethylphthalate	84-66-2		U	4.00E-01	6.6E+05		5.1E+04	
SB-203	N	11	13	10/12/21	SVOC	2,4-Dimethylphenol	105-67-9		U	4.00E-01	1.6E+04		1.3E+03	
SB-203	N	11	13	10/12/21	SVOC	Dimethylphthalate	131-11-3		U	4.00E-01	6.6E+05		5.1E+04	
SB-203	N	11	13	10/12/21	SVOC	Di-n-butylphthalate	84-74-2		U	4.00E-01	8.2E+04		6.3E+03	
SB-203	N	11	13	10/12/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	4.00E-01	6.6E+01		5.1E+00	
SB-203	N	11	13	10/12/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.80E-01	1.6E+03		1.3E+02	
SB-203	N	11	13	10/12/21	SVOC	Di-n-octylphthalate	117-84-0		U	4.00E-01	8.2E+03		6.3E+02	
SB-203	N	11	13	10/12/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	4.00E-01	2.9E+01		6.8E+00	
SB-203	N	11	13	10/12/21	SVOC	Fluoranthene	206-44-0		U	2.00E-01	3.0E+04		2.4E+03	
SB-203	N	11	13	10/12/21	SVOC	Fluorene	86-73-7		U	2.00E-01	3.0E+04		2.4E+03	
SB-203	N	11	13	10/12/21	SVOC	Hexachlorobenzene	118-74-1		U	4.00E-01	9.6E+00		7.8E-01	
SB-203	N	11	13	10/12/21	SVOC	Hexachlorobutadiene	87-68-3		U	4.00E-01	5.3E+01		1.2E+01	
SB-203	N	11	13	10/12/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	4.00E-01	7.5E+00		1.8E+00	
SB-203	N	11	13	10/12/21	SVOC	Hexachloroethane	67-72-1		U	4.00E-01	8.0E+01		1.8E+01	
SB-203	N	11	13	10/12/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	2.00E-01	2.1E+02		1.1E+01	
SB-203	N	11	13	10/12/21	SVOC	Isophorone	78-59-1		U	4.00E-01	2.4E+04		5.7E+03	
SB-203	N	11	13	10/12/21	SVOC	1-Methylnaphthalene	90-12-0		U	2.00E-01	7.3E+02		1.8E+02	
SB-203	N	11	13	10/12/21	SVOC	2-Methylnaphthalene	91-57-6		U	2.00E-01	3.0E+03		2.4E+02	
SB-203	N	11	13	10/12/21	SVOC	2-Methylphenol	95-48-7		U	4.00E-01	4.1E+04		3.2E+03	
SB-203	N	11	13	10/12/21	SVOC	3&4-Methylphenol	65794-96-9		U	4.00E-01				
SB-203	N	11	13	10/12/21	SVOC	Naphthalene	91-20-3		U	2.00E-01	8.6E+01		2.0E+01	
SB-203	N	11	13	10/12/21	SVOC	2-Nitroaniline	88-74-4		U	4.00E-01	8.0E+03		6.3E+02	
SB-203	N	11	13	10/12/21	SVOC	3-Nitroaniline	99-09-2		U	4.00E-01	1.1E+03		2.5E+02	
SB-203	N	11	13	10/12/21	SVOC	4-Nitroaniline	100-01-6		U	4.00E-01	1.1E+03		2.5E+02	
SB-203	N	11	13	10/12/21	SVOC	2-Nitrophenol	88-75-5		U	4.00E-01				



**Attachment 1-1: Soil Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-203	N	11	13	10/12/21	SVOC	4-Nitrophenol	100-02-7		U	7.80E-01				
SB-203	N	11	13	10/12/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	4.00E-01	3.4E-01		2.0E-02	
SB-203	N	11	13	10/12/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	4.00E-01	4.7E+03		1.1E+03	
SB-203	N	11	13	10/12/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	4.00E-01	3.3E+00		7.8E-01	
SB-203	N	11	13	10/12/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	4.00E-01	4.7E+04		3.1E+03	
SB-203	N	11	13	10/12/21	SVOC	Pentachloronitrobenzene	82-68-8		U	4.00E-01	1.3E+02		2.7E+01	
SB-203	N	11	13	10/12/21	SVOC	Pentachlorophenol	87-86-5		U	4.00E-01	4.0E+01		1.0E+01	
SB-203	N	11	13	10/12/21	SVOC	Phenanthrene	85-01-8		U	2.00E-01	2.3E+04		1.8E+03	
SB-203	N	11	13	10/12/21	SVOC	Phenol	108-95-2		U	4.00E-01	2.5E+05		1.9E+04	
SB-203	N	11	13	10/12/21	SVOC	Pyrene	129-00-0		U	2.00E-01	2.3E+04		1.8E+03	
SB-203	N	11	13	10/12/21	SVOC	Pyridine	110-86-1		U	4.00E-01	1.2E+03		7.8E+01	
SB-203	N	11	13	10/12/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	4.00E-01	3.5E+01		2.3E+00	
SB-203	N	11	13	10/12/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	4.00E-01	8.2E+04		6.3E+03	
SB-203	N	11	13	10/12/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	4.00E-01	8.2E+02		6.3E+01	
SB-203	N	11	13	10/12/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	4.00E-01	7.4E+01		1.7E+01	
SB-203	N	11	13	10/12/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	4.00E-01	1.5E+01		3.6E+00	
SB-203	N	11	13	10/12/21	NITRO	Nitrobenzene	98-95-3		U	4.00E-01	2.2E+02		5.1E+01	
SB-203	N	11	13	10/12/21	INORG	Aluminum	7429-90-5	1.30E+04		2.00E+01	1.1E+06	1.2E-02	7.7E+04	1.7E-01
SB-203	N	11	13	10/12/21	INORG	Antimony	7440-36-0		U	2.00E+00	4.7E+02		3.1E+01	
SB-203	N	11	13	10/12/21	INORG	Arsenic	7440-38-2	6.50E+00		3.90E+00	3.0E+01	2.2E-01	6.8E+00	9.6E-01
SB-203	N	11	13	10/12/21	INORG	Barium	7440-39-3	6.60E+01		2.00E+00	2.2E+05	3.0E-04	1.5E+04	4.4E-03
SB-203	N	11	13	10/12/21	INORG	Beryllium	7440-41-7	8.70E-01		2.00E-01	2.3E+03	3.8E-04	1.6E+02	5.4E-03
SB-203	N	11	13	10/12/21	INORG	Cadmium	7440-43-9		U	3.90E-01	1.0E+02		7.1E+00	
SB-203	N	11	13	10/12/21	INORG	Chromium (total)	7440-47-3	1.90E+01		7.80E-01	1.8E+06	1.1E-05	1.2E+05	1.6E-04
SB-203	N	11	13	10/12/21	INORG	Cobalt	7440-48-4	7.60E+00		2.00E+00	3.5E+02	2.2E-02	2.3E+01	3.3E-01
SB-203	N	11	13	10/12/21	INORG	Copper	7440-50-8	1.80E+01		7.80E-01	4.7E+04	3.8E-04	3.1E+03	5.8E-03
SB-203	N	11	13	10/12/21	INORG	Iron	7439-89-6	6.40E+04		9.80E+01	8.2E+05	7.8E-02	5.5E+04	1.2E+00
SB-203	N	11	13	10/12/21	INORG	Lead	7439-92-1	1.30E+01		5.90E-01	8.0E+02	1.6E-02	2.0E+02	6.5E-02
SB-203	N	11	13	10/12/21	INORG	Manganese	7439-96-5	1.40E+02		3.90E-01	2.6E+04	5.4E-03	1.8E+03	7.8E-02
SB-203	N	11	13	10/12/21	INORG	Mercury	7439-97-6		U	3.10E-02	4.1E+01		7.4E+00	
SB-203	N	11	13	10/12/21	INORG	Nickel	7440-02-0	1.60E+01		7.80E-01	2.2E+04	7.3E-04	1.5E+03	1.1E-02
SB-203	N	11	13	10/12/21	INORG	Selenium	7782-49-2		U	3.90E+00	5.8E+03		3.9E+02	
SB-203	N	11	13	10/12/21	INORG	Silver	7440-22-4		U	3.90E-01	5.8E+03		3.9E+02	
SB-203	N	11	13	10/12/21	INORG	Thallium	7440-28-0		U	2.00E+00	1.2E+01		7.8E-01	
SB-203	N	11	13	10/12/21	INORG	Vanadium	7440-62-2	3.00E+01		7.80E-01	5.8E+03	5.2E-03	3.9E+02	7.7E-02
SB-203	N	11	13	10/12/21	INORG	Zinc	7440-66-6	4.90E+01		7.80E-01	3.5E+05	1.4E-04	2.3E+04	2.1E-03
SB-204	N	0.8	1.8	10/18/21	VOC	1,2-Dichlorobenzene	95-50-1		U	3.70E-01	9.3E+03		1.8E+03	
SB-204	N	0.8	1.8	10/18/21	VOC	1,3-Dichlorobenzene	541-73-1		U	3.70E-01	1.1E+02		2.6E+01	
SB-204	N	0.8	1.8	10/18/21	VOC	1,4-Dichlorobenzene	106-46-7		U	3.70E-01	1.1E+02		2.6E+01	
SB-204	N	0.8	1.8	10/18/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	3.70E-01	2.6E+02		5.8E+01	
SB-204	N	0.8	1.8	10/18/21	SVOC	Acenaphthene	83-32-9		U	1.80E-01	4.5E+04		3.6E+03	
SB-204	N	0.8	1.8	10/18/21	SVOC	Acenaphthylene	208-96-8		U	1.80E-01	2.3E+04		1.8E+03	
SB-204	N	0.8	1.8	10/18/21	SVOC	Acetophenone	98-86-2		U	3.70E-01	1.2E+05		7.8E+03	
SB-204	N	0.8	1.8	10/18/21	SVOC	Aniline	62-53-3		U	3.70E-01	4.0E+03		4.4E+02	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-204	N	0.8	1.8	10/18/21	SVOC	Anthracene	120-12-7		U	1.80E-01	2.3E+05		1.8E+04	
SB-204	N	0.8	1.8	10/18/21	SVOC	Benzidine	92-87-5		U	7.10E-01	1.0E-01		5.3E-03	
SB-204	N	0.8	1.8	10/18/21	SVOC	Benzo(a)anthracene	56-55-3		U	1.80E-01	2.1E+02		1.1E+01	
SB-204	N	0.8	1.8	10/18/21	SVOC	Benzo(a)pyrene	50-32-8		U	1.80E-01	2.1E+01		1.1E+00	
SB-204	N	0.8	1.8	10/18/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	1.80E-01	2.1E+02		1.1E+01	
SB-204	N	0.8	1.8	10/18/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	1.80E-01	2.3E+04		1.8E+03	
SB-204	N	0.8	1.8	10/18/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	1.80E-01	2.1E+03		1.1E+02	
SB-204	N	0.8	1.8	10/18/21	SVOC	Benzoic Acid	65-85-0		U	1.10E+00	3.3E+06		2.5E+05	
SB-204	N	0.8	1.8	10/18/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	3.70E-01	2.5E+03		1.9E+02	
SB-204	N	0.8	1.8	10/18/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	3.70E-01	1.0E+01		2.3E+00	
SB-204	N	0.8	1.8	10/18/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	3.70E-01	1.6E+03		3.9E+02	
SB-204	N	0.8	1.8	10/18/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	3.70E-01				
SB-204	N	0.8	1.8	10/18/21	SVOC	Butylbenzylphthalate	85-68-7		U	3.70E-01	1.2E+04		2.9E+03	
SB-204	N	0.8	1.8	10/18/21	SVOC	Carbazole	86-74-8		U	1.80E-01	3.0E+04		2.4E+03	
SB-204	N	0.8	1.8	10/18/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.10E-01	8.2E+04		6.3E+03	
SB-204	N	0.8	1.8	10/18/21	SVOC	4-Chloroaniline	106-47-8		U	7.10E-01	1.1E+02		2.7E+01	
SB-204	N	0.8	1.8	10/18/21	SVOC	2-Chloronaphthalene	91-58-7		U	3.70E-01	6.0E+04		4.8E+03	
SB-204	N	0.8	1.8	10/18/21	SVOC	2-Chlorophenol	95-57-8		U	3.70E-01	5.8E+03		3.9E+02	
SB-204	N	0.8	1.8	10/18/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	3.70E-01				
SB-204	N	0.8	1.8	10/18/21	SVOC	Chrysene	218-01-9		U	1.80E-01	2.1E+04		1.1E+03	
SB-204	N	0.8	1.8	10/18/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	1.80E-01	2.1E+01		1.1E+00	
SB-204	N	0.8	1.8	10/18/21	SVOC	Dibenzofuran	132-64-9		U	3.70E-01	1.2E+03		7.8E+01	
SB-204	N	0.8	1.8	10/18/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	1.80E-01	5.1E+01		1.2E+01	
SB-204	N	0.8	1.8	10/18/21	SVOC	2,4-Dichlorophenol	120-83-2		U	3.70E-01	2.5E+03		1.9E+02	
SB-204	N	0.8	1.8	10/18/21	SVOC	Diethylphthalate	84-66-2		U	3.70E-01	6.6E+05		5.1E+04	
SB-204	N	0.8	1.8	10/18/21	SVOC	2,4-Dimethylphenol	105-67-9		U	3.70E-01	1.6E+04		1.3E+03	
SB-204	N	0.8	1.8	10/18/21	SVOC	Dimethylphthalate	131-11-3		U	3.70E-01	6.6E+05		5.1E+04	
SB-204	N	0.8	1.8	10/18/21	SVOC	Di-n-butylphthalate	84-74-2		U	3.70E-01	8.2E+04		6.3E+03	
SB-204	N	0.8	1.8	10/18/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	3.70E-01	6.6E+01		5.1E+00	
SB-204	N	0.8	1.8	10/18/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.10E-01	1.6E+03		1.3E+02	
SB-204	N	0.8	1.8	10/18/21	SVOC	Di-n-octylphthalate	117-84-0		U	3.70E-01	8.2E+03		6.3E+02	
SB-204	N	0.8	1.8	10/18/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	3.70E-01	2.9E+01		6.8E+00	
SB-204	N	0.8	1.8	10/18/21	SVOC	Fluoranthene	206-44-0		U	1.80E-01	3.0E+04		2.4E+03	
SB-204	N	0.8	1.8	10/18/21	SVOC	Fluorene	86-73-7		U	1.80E-01	3.0E+04		2.4E+03	
SB-204	N	0.8	1.8	10/18/21	SVOC	Hexachlorobenzene	118-74-1		U	3.70E-01	9.6E+00		7.8E-01	
SB-204	N	0.8	1.8	10/18/21	SVOC	Hexachlorobutadiene	87-68-3		U	3.70E-01	5.3E+01		1.2E+01	
SB-204	N	0.8	1.8	10/18/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	3.70E-01	7.5E+00		1.8E+00	
SB-204	N	0.8	1.8	10/18/21	SVOC	Hexachloroethane	67-72-1		U	3.70E-01	8.0E+01		1.8E+01	
SB-204	N	0.8	1.8	10/18/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	1.80E-01	2.1E+02		1.1E+01	
SB-204	N	0.8	1.8	10/18/21	SVOC	Isophorone	78-59-1		U	3.70E-01	2.4E+04		5.7E+03	
SB-204	N	0.8	1.8	10/18/21	SVOC	1-Methylnaphthalene	90-12-0		U	1.80E-01	7.3E+02		1.8E+02	
SB-204	N	0.8	1.8	10/18/21	SVOC	2-Methylnaphthalene	91-57-6		U	1.80E-01	3.0E+03		2.4E+02	
SB-204	N	0.8	1.8	10/18/21	SVOC	2-Methylphenol	95-48-7		U	3.70E-01	4.1E+04		3.2E+03	
SB-204	N	0.8	1.8	10/18/21	SVOC	3&4-Methylphenol	65794-96-9		U	3.70E-01				

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-204	N	0.8	1.8	10/18/21	SVOC	Naphthalene	91-20-3		U	1.80E-01	8.6E+01		2.0E+01	
SB-204	N	0.8	1.8	10/18/21	SVOC	2-Nitroaniline	88-74-4		U	3.70E-01	8.0E+03		6.3E+02	
SB-204	N	0.8	1.8	10/18/21	SVOC	3-Nitroaniline	99-09-2		U	3.70E-01	1.1E+03		2.5E+02	
SB-204	N	0.8	1.8	10/18/21	SVOC	4-Nitroaniline	100-01-6		U	3.70E-01	1.1E+03		2.5E+02	
SB-204	N	0.8	1.8	10/18/21	SVOC	2-Nitrophenol	88-75-5		U	3.70E-01				
SB-204	N	0.8	1.8	10/18/21	SVOC	4-Nitrophenol	100-02-7		U	7.10E-01				
SB-204	N	0.8	1.8	10/18/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	3.70E-01	3.4E-01		2.0E-02	
SB-204	N	0.8	1.8	10/18/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	3.70E-01	4.7E+03		1.1E+03	
SB-204	N	0.8	1.8	10/18/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	3.70E-01	3.3E+00		7.8E-01	
SB-204	N	0.8	1.8	10/18/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	3.70E-01	4.7E+04		3.1E+03	
SB-204	N	0.8	1.8	10/18/21	SVOC	Pentachloronitrobenzene	82-68-8		U	3.70E-01	1.3E+02		2.7E+01	
SB-204	N	0.8	1.8	10/18/21	SVOC	Pentachlorophenol	87-86-5		U	3.70E-01	4.0E+01		1.0E+01	
SB-204	N	0.8	1.8	10/18/21	SVOC	Phenanthrene	85-01-8		U	1.80E-01	2.3E+04		1.8E+03	
SB-204	N	0.8	1.8	10/18/21	SVOC	Phenol	108-95-2		U	3.70E-01	2.5E+05		1.9E+04	
SB-204	N	0.8	1.8	10/18/21	SVOC	Pyrene	129-00-0		U	1.80E-01	2.3E+04		1.8E+03	
SB-204	N	0.8	1.8	10/18/21	SVOC	Pyridine	110-86-1		U	3.70E-01	1.2E+03		7.8E+01	
SB-204	N	0.8	1.8	10/18/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	3.70E-01	3.5E+01		2.3E+00	
SB-204	N	0.8	1.8	10/18/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	3.70E-01	8.2E+04		6.3E+03	
SB-204	N	0.8	1.8	10/18/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	3.70E-01	8.2E+02		6.3E+01	
SB-204	N	0.8	1.8	10/18/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	3.70E-01	7.4E+01		1.7E+01	
SB-204	N	0.8	1.8	10/18/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	3.70E-01	1.5E+01		3.6E+00	
SB-204	N	0.8	1.8	10/18/21	NITRO	Nitrobenzene	98-95-3		U	3.70E-01	2.2E+02		5.1E+01	
SB-204	N	0.8	1.8	10/18/21	INORG	Aluminum	7429-90-5	6.70E+03		1.80E+01	1.1E+06	6.1E-03	7.7E+04	8.7E-02
SB-204	N	0.8	1.8	10/18/21	INORG	Antimony	7440-36-0		U	1.80E+00	4.7E+02		3.1E+01	
SB-204	N	0.8	1.8	10/18/21	INORG	Arsenic	7440-38-2	3.70E+00		3.60E+00	3.0E+01	1.2E-01	6.8E+00	5.4E-01
SB-204	N	0.8	1.8	10/18/21	INORG	Barium	7440-39-3	3.40E+01		1.80E+00	2.2E+05	1.5E-04	1.5E+04	2.3E-03
SB-204	N	0.8	1.8	10/18/21	INORG	Beryllium	7440-41-7	5.30E-01		1.80E-01	2.3E+03	2.3E-04	1.6E+02	3.3E-03
SB-204	N	0.8	1.8	10/18/21	INORG	Cadmium	7440-43-9		U	3.60E-01	1.0E+02		7.1E+00	
SB-204	N	0.8	1.8	10/18/21	INORG	Chromium (total)	7440-47-3	1.80E+01		7.20E-01	1.8E+06	1.0E-05	1.2E+05	1.5E-04
SB-204	N	0.8	1.8	10/18/21	INORG	Cobalt	7440-48-4	1.10E+01		1.80E+00	3.5E+02	3.1E-02	2.3E+01	4.8E-01
SB-204	N	0.8	1.8	10/18/21	INORG	Copper	7440-50-8	1.30E+01		7.20E-01	4.7E+04	2.8E-04	3.1E+03	4.2E-03
SB-204	N	0.8	1.8	10/18/21	INORG	Iron	7439-89-6	2.30E+04		1.80E+03	8.2E+05	2.8E-02	5.5E+04	4.2E-01
SB-204	N	0.8	1.8	10/18/21	INORG	Lead	7439-92-1	1.10E+01		5.40E-01	8.0E+02	1.4E-02	2.0E+02	5.5E-02
SB-204	N	0.8	1.8	10/18/21	INORG	Manganese	7439-96-5	6.40E+02		3.60E-01	2.6E+04	2.5E-02	1.8E+03	3.6E-01
SB-204	N	0.8	1.8	10/18/21	INORG	Mercury	7439-97-6	2.10E-02	J	2.90E-02	4.1E+01	5.2E-04	7.4E+00	2.8E-03
SB-204	N	0.8	1.8	10/18/21	INORG	Nickel	7440-02-0	9.80E+00		7.20E-01	2.2E+04	4.5E-04	1.5E+03	6.5E-03
SB-204	N	0.8	1.8	10/18/21	INORG	Selenium	7782-49-2		U	3.60E+00	5.8E+03		3.9E+02	
SB-204	N	0.8	1.8	10/18/21	INORG	Silver	7440-22-4		U	3.60E-01	5.8E+03		3.9E+02	
SB-204	N	0.8	1.8	10/18/21	INORG	Thallium	7440-28-0		U	1.80E+00	1.2E+01		7.8E-01	
SB-204	N	0.8	1.8	10/18/21	INORG	Vanadium	7440-62-2	2.90E+01		7.20E-01	5.8E+03	5.0E-03	3.9E+02	7.4E-02
SB-204	N	0.8	1.8	10/18/21	INORG	Zinc	7440-66-6	2.70E+01		7.20E-01	3.5E+05	7.7E-05	2.3E+04	1.2E-03
SB-204	N	6	8	10/18/21	VOC	Acetone	67-64-1		U	8.40E-02	1.1E+06		7.0E+04	
SB-204	N	6	8	10/18/21	VOC	Acrylonitrile	107-13-1		U	5.00E-03	1.1E+01		2.5E+00	
SB-204	N	6	8	10/18/21	VOC	Benzene	71-43-2		U	1.70E-03	5.1E+01		1.2E+01	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-204	N	6	8	10/18/21	VOC	Bromobenzene	108-86-1		U	1.70E-03	1.8E+03		2.9E+02	
SB-204	N	6	8	10/18/21	VOC	Bromochloromethane	74-97-5		U	1.70E-03	6.3E+02		1.5E+02	
SB-204	N	6	8	10/18/21	VOC	Bromodichloromethane	75-27-4		U	1.70E-03	1.3E+01		2.9E+00	
SB-204	N	6	8	10/18/21	VOC	Bromoform	75-25-2		U	1.70E-03	8.6E+02		1.9E+02	
SB-204	N	6	8	10/18/21	VOC	Bromomethane	74-83-9		U	8.40E-03	3.0E+01		6.8E+00	
SB-204	N	6	8	10/18/21	VOC	2-Butanone	78-93-3		U	3.30E-02	1.9E+05		2.7E+04	
SB-204	N	6	8	10/18/21	VOC	n-Butylbenzene	104-51-8		U	1.70E-03	5.8E+04		3.9E+03	
SB-204	N	6	8	10/18/21	VOC	sec-Butylbenzene	135-98-8		U	1.70E-03	1.2E+05		7.8E+03	
SB-204	N	6	8	10/18/21	VOC	tert-Butylbenzene	98-06-6		U	1.70E-03	1.2E+05		7.8E+03	
SB-204	N	6	8	10/18/21	VOC	Carbon Disulfide	75-15-0		U	8.40E-03	3.5E+03		7.7E+02	
SB-204	N	6	8	10/18/21	VOC	Carbon Tetrachloride	56-23-5		U	1.70E-03	2.9E+01		6.5E+00	
SB-204	N	6	8	10/18/21	VOC	Chlorobenzene	108-90-7		U	1.70E-03	1.3E+03		2.8E+02	
SB-204	N	6	8	10/18/21	VOC	Chloroethane	75-00-3		U	1.70E-02	2.3E+04		5.4E+03	
SB-204	N	6	8	10/18/21	VOC	Chloroform	67-66-3		U	3.30E-03	1.4E+01		3.2E+00	
SB-204	N	6	8	10/18/21	VOC	Chloromethane	74-87-3		U	8.40E-03	4.6E+02		1.1E+02	
SB-204	N	6	8	10/18/21	VOC	2-Chlorotoluene	95-49-8		U	1.70E-03	2.3E+04		1.6E+03	
SB-204	N	6	8	10/18/21	VOC	4-Chlorotoluene	106-43-4		U	1.70E-03	2.3E+04		1.6E+03	
SB-204	N	6	8	10/18/21	VOC	Cumene	98-82-8		U	1.70E-03	9.9E+03		1.9E+03	
SB-204	N	6	8	10/18/21	VOC	p-Cymene	99-87-6		U	1.70E-03				
SB-204	N	6	8	10/18/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8		U	1.70E-03	6.4E-01		5.3E-02	
SB-204	N	6	8	10/18/21	VOC	Dibromochloromethane	124-48-1		U	8.40E-04	3.9E+02		8.3E+01	
SB-204	N	6	8	10/18/21	VOC	1,2-Dibromoethane	106-93-4		U	8.40E-04	1.6E+00		3.6E-01	
SB-204	N	6	8	10/18/21	VOC	Dibromomethane	74-95-3		U	1.70E-03	9.9E+01		2.4E+01	
SB-204	N	6	8	10/18/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6		U	3.30E-03	3.2E-01		7.4E-02	
SB-204	N	6	8	10/18/21	VOC	1,2-Dichlorobenzene	95-50-1		U	1.70E-03	9.3E+03		1.8E+03	
SB-204	N	6	8	10/18/21	VOC	1,3-Dichlorobenzene	541-73-1		U	1.70E-03	1.1E+02		2.6E+01	
SB-204	N	6	8	10/18/21	VOC	1,4-Dichlorobenzene	106-46-7		U	1.70E-03	1.1E+02		2.6E+01	
SB-204	N	6	8	10/18/21	VOC	Dichlorodifluoromethane	75-71-8		U	1.70E-02	3.7E+02		8.7E+01	
SB-204	N	6	8	10/18/21	VOC	1,1-Dichloroethane	75-34-3		U	1.70E-03	1.6E+02		3.6E+01	
SB-204	N	6	8	10/18/21	VOC	1,2-Dichloroethane	107-06-2		U	1.70E-03	2.0E+01		4.6E+00	
SB-204	N	6	8	10/18/21	VOC	1,1-Dichloroethene	75-35-4		U	3.30E-03	1.0E+03		2.3E+02	
SB-204	N	6	8	10/18/21	VOC	cis-1,2-Dichloroethene	156-59-2		U	1.70E-03	3.7E+02		6.3E+01	
SB-204	N	6	8	10/18/21	VOC	trans-1,2-Dichloroethene	156-60-5		U	1.70E-03	3.0E+02		7.0E+01	
SB-204	N	6	8	10/18/21	VOC	1,2-Dichloropropane	78-87-5		U	1.70E-03	6.6E+01		1.6E+01	
SB-204	N	6	8	10/18/21	VOC	1,3-Dichloropropane	142-28-9		U	8.40E-04	2.3E+04		1.6E+03	
SB-204	N	6	8	10/18/21	VOC	2,2-Dichloropropane	594-20-7		U	1.70E-03				
SB-204	N	6	8	10/18/21	VOC	1,1-Dichloropropene	563-58-6		U	1.70E-03				
SB-204	N	6	8	10/18/21	VOC	1,3-Dichloropropene (total)	542-75-6		U	8.40E-04	8.2E+01		1.8E+01	
SB-204	N	6	8	10/18/21	VOC	1,4-Dioxane	123-91-1		U	8.40E-02	2.4E+02		5.3E+01	
SB-204	N	6	8	10/18/21	VOC	Ethyl tert-butyl ether	637-92-3		U	8.40E-04	5.6E+03		1.3E+03	
SB-204	N	6	8	10/18/21	VOC	Ethyl Benzene	100-41-4		U	1.70E-03	2.5E+02		5.8E+01	
SB-204	N	6	8	10/18/21	VOC	Diethyl ether	60-29-7		U	1.70E-02	2.3E+05		1.6E+04	
SB-204	N	6	8	10/18/21	VOC	2-Hexanone	591-78-6		U	1.70E-02	1.3E+03		2.0E+02	
SB-204	N	6	8	10/18/21	VOC	Methyl Acetate	79-20-9		U	1.70E-03	1.2E+06		7.8E+04	

**Attachment 1-1: Soil Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-204	N	6	8	10/18/21	VOC	Methyl tert-butyl ether	1634-04-4		U	3.30E-03	2.1E+03		4.7E+02	
SB-204	N	6	8	10/18/21	VOC	4-Methyl-2-pentanone	108-10-1		U	1.70E-02	1.4E+05		3.3E+04	
SB-204	N	6	8	10/18/21	VOC	Methylcyclohexane	108-87-2		U	1.70E-03	2.7E+04		6.5E+03	
SB-204	N	6	8	10/18/21	VOC	Methylene Chloride	75-09-2		U	1.70E-02	3.2E+03		3.5E+02	
SB-204	N	6	8	10/18/21	VOC	Diisopropyl ether	108-20-3		U	8.40E-04	9.4E+03		2.2E+03	
SB-204	N	6	8	10/18/21	VOC	n-Propylbenzene	103-65-1		U	1.70E-03	2.4E+04		3.8E+03	
SB-204	N	6	8	10/18/21	VOC	Styrene	100-42-5		U	1.70E-03	3.5E+04		6.0E+03	
SB-204	N	6	8	10/18/21	VOC	tert-Butyl alcohol	75-65-0		U	8.40E-02	6.5E+04		1.4E+04	
SB-204	N	6	8	10/18/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6		U	1.70E-03	8.8E+01		2.0E+01	
SB-204	N	6	8	10/18/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5		U	8.40E-04	2.7E+01		6.0E+00	
SB-204	N	6	8	10/18/21	VOC	Tetrachloroethene	127-18-4		U	1.70E-03	3.9E+02		8.1E+01	
SB-204	N	6	8	10/18/21	VOC	Tetrahydrofuran	109-99-9		U	8.40E-03	9.5E+04		1.8E+04	
SB-204	N	6	8	10/18/21	VOC	Toluene	108-88-3		U	1.70E-03	4.7E+04		4.9E+03	
SB-204	N	6	8	10/18/21	VOC	1,2,3-Trichlorobenzene	87-61-6		U	1.70E-03	9.3E+02		6.3E+01	
SB-204	N	6	8	10/18/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	1.70E-03	2.6E+02		5.8E+01	
SB-204	N	6	8	10/18/21	VOC	1,3,5-Trichlorobenzene	108-70-3		U	1.70E-03				
SB-204	N	6	8	10/18/21	VOC	1,1,1-Trichloroethane	71-55-6		U	1.70E-03	3.6E+04		8.1E+03	
SB-204	N	6	8	10/18/21	VOC	1,1,2-Trichloroethane	79-00-5		U	1.70E-03	6.3E+00		1.5E+00	
SB-204	N	6	8	10/18/21	VOC	Trichloroethene	79-01-6		U	1.70E-03	1.9E+01		4.1E+00	
SB-204	N	6	8	10/18/21	VOC	Trichlorofluoromethane	75-69-4		U	8.40E-03	3.5E+05		2.3E+04	
SB-204	N	6	8	10/18/21	VOC	1,2,3-Trichloropropane	96-18-4		U	1.70E-03	1.1E+00		5.1E-02	
SB-204	N	6	8	10/18/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		U	8.40E-03	2.8E+04		6.7E+03	
SB-204	N	6	8	10/18/21	VOC	1,2,4-Trimethylbenzene	95-63-6		U	1.70E-03	1.8E+03		3.0E+02	
SB-204	N	6	8	10/18/21	VOC	1,3,5-Trimethylbenzene	108-67-8		U	1.70E-03	1.5E+03		2.7E+02	
SB-204	N	6	8	10/18/21	VOC	Vinyl Chloride	75-01-4		U	8.40E-03	1.7E+01		5.9E-01	
SB-204	N	6	8	10/18/21	VOC	Xylenes (total)	1330-20-7		U	3.30E-03	2.5E+03		5.8E+02	
SB-204	N	6	8	10/18/21	SVOC	Acenaphthene	83-32-9		U	2.00E-01	4.5E+04		3.6E+03	
SB-204	N	6	8	10/18/21	SVOC	Acenaphthylene	208-96-8		U	2.00E-01	2.3E+04		1.8E+03	
SB-204	N	6	8	10/18/21	SVOC	Acetophenone	98-86-2		U	4.00E-01	1.2E+05		7.8E+03	
SB-204	N	6	8	10/18/21	SVOC	t-Amyl methyl ether	994-05-8		U	8.40E-04				
SB-204	N	6	8	10/18/21	SVOC	Aniline	62-53-3		U	4.00E-01	4.0E+03		4.4E+02	
SB-204	N	6	8	10/18/21	SVOC	Anthracene	120-12-7		U	2.00E-01	2.3E+05		1.8E+04	
SB-204	N	6	8	10/18/21	SVOC	Benzidine	92-87-5		U	7.80E-01	1.0E-01		5.3E-03	
SB-204	N	6	8	10/18/21	SVOC	Benzo(a)anthracene	56-55-3		U	2.00E-01	2.1E+02		1.1E+01	
SB-204	N	6	8	10/18/21	SVOC	Benzo(a)pyrene	50-32-8		U	2.00E-01	2.1E+01		1.1E+00	
SB-204	N	6	8	10/18/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	2.00E-01	2.1E+02		1.1E+01	
SB-204	N	6	8	10/18/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	2.00E-01	2.3E+04		1.8E+03	
SB-204	N	6	8	10/18/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	2.00E-01	2.1E+03		1.1E+02	
SB-204	N	6	8	10/18/21	SVOC	Benzoic Acid	65-85-0		U	1.20E+00	3.3E+06		2.5E+05	
SB-204	N	6	8	10/18/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	4.00E-01	2.5E+03		1.9E+02	
SB-204	N	6	8	10/18/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	4.00E-01	1.0E+01		2.3E+00	
SB-204	N	6	8	10/18/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	4.00E-01	1.6E+03		3.9E+02	
SB-204	N	6	8	10/18/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	4.00E-01				
SB-204	N	6	8	10/18/21	SVOC	Butylbenzylphthalate	85-68-7		U	4.00E-01	1.2E+04		2.9E+03	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-204	N	6	8	10/18/21	SVOC	Carbazole	86-74-8		U	2.00E-01	3.0E+04		2.4E+03	
SB-204	N	6	8	10/18/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.80E-01	8.2E+04		6.3E+03	
SB-204	N	6	8	10/18/21	SVOC	4-Chloroaniline	106-47-8		U	7.80E-01	1.1E+02		2.7E+01	
SB-204	N	6	8	10/18/21	SVOC	2-Chloronaphthalene	91-58-7		U	4.00E-01	6.0E+04		4.8E+03	
SB-204	N	6	8	10/18/21	SVOC	2-Chlorophenol	95-57-8		U	4.00E-01	5.8E+03		3.9E+02	
SB-204	N	6	8	10/18/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	4.00E-01				
SB-204	N	6	8	10/18/21	SVOC	Chrysene	218-01-9		U	2.00E-01	2.1E+04		1.1E+03	
SB-204	N	6	8	10/18/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	2.00E-01	2.1E+01		1.1E+00	
SB-204	N	6	8	10/18/21	SVOC	Dibenzofuran	132-64-9		U	4.00E-01	1.2E+03		7.8E+01	
SB-204	N	6	8	10/18/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	2.00E-01	5.1E+01		1.2E+01	
SB-204	N	6	8	10/18/21	SVOC	2,4-Dichlorophenol	120-83-2		U	4.00E-01	2.5E+03		1.9E+02	
SB-204	N	6	8	10/18/21	SVOC	Diethylphthalate	84-66-2		U	4.00E-01	6.6E+05		5.1E+04	
SB-204	N	6	8	10/18/21	SVOC	2,4-Dimethylphenol	105-67-9		U	4.00E-01	1.6E+04		1.3E+03	
SB-204	N	6	8	10/18/21	SVOC	Dimethylphthalate	131-11-3		U	4.00E-01	6.6E+05		5.1E+04	
SB-204	N	6	8	10/18/21	SVOC	Di-n-butylphthalate	84-74-2		U	4.00E-01	8.2E+04		6.3E+03	
SB-204	N	6	8	10/18/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	4.00E-01	6.6E+01		5.1E+00	
SB-204	N	6	8	10/18/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.80E-01	1.6E+03		1.3E+02	
SB-204	N	6	8	10/18/21	SVOC	Di-n-octylphthalate	117-84-0		U	4.00E-01	8.2E+03		6.3E+02	
SB-204	N	6	8	10/18/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	4.00E-01	2.9E+01		6.8E+00	
SB-204	N	6	8	10/18/21	SVOC	Fluoranthene	206-44-0		U	2.00E-01	3.0E+04		2.4E+03	
SB-204	N	6	8	10/18/21	SVOC	Fluorene	86-73-7		U	2.00E-01	3.0E+04		2.4E+03	
SB-204	N	6	8	10/18/21	SVOC	Hexachlorobenzene	118-74-1		U	4.00E-01	9.6E+00		7.8E-01	
SB-204	N	6	8	10/18/21	SVOC	Hexachlorobutadiene	87-68-3		U	1.70E-03	5.3E+01		1.2E+01	
SB-204	N	6	8	10/18/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	4.00E-01	7.5E+00		1.8E+00	
SB-204	N	6	8	10/18/21	SVOC	Hexachloroethane	67-72-1		U	4.00E-01	8.0E+01		1.8E+01	
SB-204	N	6	8	10/18/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	2.00E-01	2.1E+02		1.1E+01	
SB-204	N	6	8	10/18/21	SVOC	Isophorone	78-59-1		U	4.00E-01	2.4E+04		5.7E+03	
SB-204	N	6	8	10/18/21	SVOC	1-Methylnaphthalene	90-12-0		U	2.00E-01	7.3E+02		1.8E+02	
SB-204	N	6	8	10/18/21	SVOC	2-Methylnaphthalene	91-57-6		U	2.00E-01	3.0E+03		2.4E+02	
SB-204	N	6	8	10/18/21	SVOC	2-Methylphenol	95-48-7		U	4.00E-01	4.1E+04		3.2E+03	
SB-204	N	6	8	10/18/21	SVOC	3&4-Methylphenol	65794-96-9		U	4.00E-01				
SB-204	N	6	8	10/18/21	SVOC	Naphthalene	91-20-3		U	3.30E-03	8.6E+01		2.0E+01	
SB-204	N	6	8	10/18/21	SVOC	2-Nitroaniline	88-74-4		U	4.00E-01	8.0E+03		6.3E+02	
SB-204	N	6	8	10/18/21	SVOC	3-Nitroaniline	99-09-2		U	4.00E-01	1.1E+03		2.5E+02	
SB-204	N	6	8	10/18/21	SVOC	4-Nitroaniline	100-01-6		U	4.00E-01	1.1E+03		2.5E+02	
SB-204	N	6	8	10/18/21	SVOC	2-Nitrophenol	88-75-5		U	4.00E-01				
SB-204	N	6	8	10/18/21	SVOC	4-Nitrophenol	100-02-7		U	7.80E-01				
SB-204	N	6	8	10/18/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	4.00E-01	3.4E-01		2.0E-02	
SB-204	N	6	8	10/18/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	4.00E-01	4.7E+03		1.1E+03	
SB-204	N	6	8	10/18/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	4.00E-01	3.3E+00		7.8E-01	
SB-204	N	6	8	10/18/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	4.00E-01	4.7E+04		3.1E+03	
SB-204	N	6	8	10/18/21	SVOC	Pentachloronitrobenzene	82-68-8		U	4.00E-01	1.3E+02		2.7E+01	
SB-204	N	6	8	10/18/21	SVOC	Pentachlorophenol	87-86-5		U	4.00E-01	4.0E+01		1.0E+01	
SB-204	N	6	8	10/18/21	SVOC	Phenanthrene	85-01-8		U	2.00E-01	2.3E+04		1.8E+03	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-204	N	6	8	10/18/21	SVOC	Phenol	108-95-2		U	4.00E-01	2.5E+05		1.9E+04	
SB-204	N	6	8	10/18/21	SVOC	Pyrene	129-00-0		U	2.00E-01	2.3E+04		1.8E+03	
SB-204	N	6	8	10/18/21	SVOC	Pyridine	110-86-1		U	4.00E-01	1.2E+03		7.8E+01	
SB-204	N	6	8	10/18/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	4.00E-01	3.5E+01		2.3E+00	
SB-204	N	6	8	10/18/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	4.00E-01	8.2E+04		6.3E+03	
SB-204	N	6	8	10/18/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	4.00E-01	8.2E+02		6.3E+01	
SB-204	N	6	8	10/18/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	4.00E-01	7.4E+01		1.7E+01	
SB-204	N	6	8	10/18/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	4.00E-01	1.5E+01		3.6E+00	
SB-204	N	6	8	10/18/21	NITRO	Nitrobenzene	98-95-3		U	4.00E-01	2.2E+02		5.1E+01	
SB-204	N	6	8	10/18/21	INORG	Aluminum	7429-90-5	1.10E+04		1.90E+01	1.1E+06	1.0E-02	7.7E+04	1.4E-01
SB-204	N	6	8	10/18/21	INORG	Antimony	7440-36-0		U	1.90E+00	4.7E+02		3.1E+01	
SB-204	N	6	8	10/18/21	INORG	Arsenic	7440-38-2		U	3.80E+00	3.0E+01		6.8E+00	
SB-204	N	6	8	10/18/21	INORG	Barium	7440-39-3	3.70E+01		1.90E+00	2.2E+05	1.7E-04	1.5E+04	2.5E-03
SB-204	N	6	8	10/18/21	INORG	Beryllium	7440-41-7	3.70E-01		1.90E-01	2.3E+03	1.6E-04	1.6E+02	2.3E-03
SB-204	N	6	8	10/18/21	INORG	Cadmium	7440-43-9		U	3.80E-01	1.0E+02		7.1E+00	
SB-204	N	6	8	10/18/21	INORG	Chromium (total)	7440-47-3	2.00E+01		7.60E-01	1.8E+06	1.1E-05	1.2E+05	1.7E-04
SB-204	N	6	8	10/18/21	INORG	Cobalt	7440-48-4	4.70E+00		1.90E+00	3.5E+02	1.3E-02	2.3E+01	2.0E-01
SB-204	N	6	8	10/18/21	INORG	Copper	7440-50-8	1.20E+01		7.60E-01	4.7E+04	2.6E-04	3.1E+03	3.9E-03
SB-204	N	6	8	10/18/21	INORG	Iron	7439-89-6	1.70E+04		1.90E+03	8.2E+05	2.1E-02	5.5E+04	3.1E-01
SB-204	N	6	8	10/18/21	INORG	Lead	7439-92-1	9.30E+00		5.70E-01	8.0E+02	1.2E-02	2.0E+02	4.7E-02
SB-204	N	6	8	10/18/21	INORG	Manganese	7439-96-5	6.10E+01		3.80E-01	2.6E+04	2.3E-03	1.8E+03	3.4E-02
SB-204	N	6	8	10/18/21	INORG	Mercury	7439-97-6	1.70E-02	J	3.30E-02	4.1E+01	4.2E-04	7.4E+00	2.3E-03
SB-204	N	6	8	10/18/21	INORG	Nickel	7440-02-0	1.10E+01		7.60E-01	2.2E+04	5.0E-04	1.5E+03	7.3E-03
SB-204	N	6	8	10/18/21	INORG	Selenium	7782-49-2		U	3.80E+00	5.8E+03		3.9E+02	
SB-204	N	6	8	10/18/21	INORG	Silver	7440-22-4		U	3.80E-01	5.8E+03		3.9E+02	
SB-204	N	6	8	10/18/21	INORG	Thallium	7440-28-0		U	1.90E+00	1.2E+01		7.8E-01	
SB-204	N	6	8	10/18/21	INORG	Vanadium	7440-62-2	3.60E+01		7.60E-01	5.8E+03	6.2E-03	3.9E+02	9.2E-02
SB-204	N	6	8	10/18/21	INORG	Zinc	7440-66-6	2.90E+01		7.60E-01	3.5E+05	8.3E-05	2.3E+04	1.3E-03
SB-204	N	13	15	10/18/21	VOC	Acetone	67-64-1		U	8.50E-02	1.1E+06		7.0E+04	
SB-204	N	13	15	10/18/21	VOC	Acrylonitrile	107-13-1		U	5.10E-03	1.1E+01		2.5E+00	
SB-204	N	13	15	10/18/21	VOC	Benzene	71-43-2		U	1.70E-03	5.1E+01		1.2E+01	
SB-204	N	13	15	10/18/21	VOC	Bromobenzene	108-86-1		U	1.70E-03	1.8E+03		2.9E+02	
SB-204	N	13	15	10/18/21	VOC	Bromochloromethane	74-97-5		U	1.70E-03	6.3E+02		1.5E+02	
SB-204	N	13	15	10/18/21	VOC	Bromodichloromethane	75-27-4		U	1.70E-03	1.3E+01		2.9E+00	
SB-204	N	13	15	10/18/21	VOC	Bromoform	75-25-2		U	1.70E-03	8.6E+02		1.9E+02	
SB-204	N	13	15	10/18/21	VOC	Bromomethane	74-83-9		U	8.50E-03	3.0E+01		6.8E+00	
SB-204	N	13	15	10/18/21	VOC	2-Butanone	78-93-3		U	3.40E-02	1.9E+05		2.7E+04	
SB-204	N	13	15	10/18/21	VOC	n-Butylbenzene	104-51-8		U	1.70E-03	5.8E+04		3.9E+03	
SB-204	N	13	15	10/18/21	VOC	sec-Butylbenzene	135-98-8		U	1.70E-03	1.2E+05		7.8E+03	
SB-204	N	13	15	10/18/21	VOC	tert-Butylbenzene	98-06-6		U	1.70E-03	1.2E+05		7.8E+03	
SB-204	N	13	15	10/18/21	VOC	Carbon Disulfide	75-15-0		U	8.50E-03	3.5E+03		7.7E+02	
SB-204	N	13	15	10/18/21	VOC	Carbon Tetrachloride	56-23-5		U	1.70E-03	2.9E+01		6.5E+00	
SB-204	N	13	15	10/18/21	VOC	Chlorobenzene	108-90-7		U	1.70E-03	1.3E+03		2.8E+02	
SB-204	N	13	15	10/18/21	VOC	Chloroethane	75-00-3		U	1.70E-02	2.3E+04		5.4E+03	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-204	N	13	15	10/18/21	VOC	Chloroform	67-66-3		U	3.40E-03	1.4E+01		3.2E+00	
SB-204	N	13	15	10/18/21	VOC	Chloromethane	74-87-3		U	8.50E-03	4.6E+02		1.1E+02	
SB-204	N	13	15	10/18/21	VOC	2-Chlorotoluene	95-49-8		U	1.70E-03	2.3E+04		1.6E+03	
SB-204	N	13	15	10/18/21	VOC	4-Chlorotoluene	106-43-4		U	1.70E-03	2.3E+04		1.6E+03	
SB-204	N	13	15	10/18/21	VOC	Cumene	98-82-8		U	1.70E-03	9.9E+03		1.9E+03	
SB-204	N	13	15	10/18/21	VOC	p-Cymene	99-87-6		U	1.70E-03				
SB-204	N	13	15	10/18/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8		U	1.70E-03	6.4E-01		5.3E-02	
SB-204	N	13	15	10/18/21	VOC	Dibromochloromethane	124-48-1		U	8.50E-04	3.9E+02		8.3E+01	
SB-204	N	13	15	10/18/21	VOC	1,2-Dibromoethane	106-93-4		U	8.50E-04	1.6E+00		3.6E-01	
SB-204	N	13	15	10/18/21	VOC	Dibromomethane	74-95-3		U	1.70E-03	9.9E+01		2.4E+01	
SB-204	N	13	15	10/18/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6		U	3.40E-03	3.2E-01		7.4E-02	
SB-204	N	13	15	10/18/21	VOC	1,2-Dichlorobenzene	95-50-1		U	1.70E-03	9.3E+03		1.8E+03	
SB-204	N	13	15	10/18/21	VOC	1,3-Dichlorobenzene	541-73-1		U	1.70E-03	1.1E+02		2.6E+01	
SB-204	N	13	15	10/18/21	VOC	1,4-Dichlorobenzene	106-46-7		U	1.70E-03	1.1E+02		2.6E+01	
SB-204	N	13	15	10/18/21	VOC	Dichlorodifluoromethane	75-71-8		U	1.70E-02	3.7E+02		8.7E+01	
SB-204	N	13	15	10/18/21	VOC	1,1-Dichloroethane	75-34-3		U	1.70E-03	1.6E+02		3.6E+01	
SB-204	N	13	15	10/18/21	VOC	1,2-Dichloroethane	107-06-2		U	1.70E-03	2.0E+01		4.6E+00	
SB-204	N	13	15	10/18/21	VOC	1,1-Dichloroethene	75-35-4		U	3.40E-03	1.0E+03		2.3E+02	
SB-204	N	13	15	10/18/21	VOC	cis-1,2-Dichloroethene	156-59-2		U	1.70E-03	3.7E+02		6.3E+01	
SB-204	N	13	15	10/18/21	VOC	trans-1,2-Dichloroethene	156-60-5		U	1.70E-03	3.0E+02		7.0E+01	
SB-204	N	13	15	10/18/21	VOC	1,2-Dichloropropane	78-87-5		U	1.70E-03	6.6E+01		1.6E+01	
SB-204	N	13	15	10/18/21	VOC	1,3-Dichloropropane	142-28-9		U	8.50E-04	2.3E+04		1.6E+03	
SB-204	N	13	15	10/18/21	VOC	2,2-Dichloropropane	594-20-7		U	1.70E-03				
SB-204	N	13	15	10/18/21	VOC	1,1-Dichloropropene	563-58-6		U	1.70E-03				
SB-204	N	13	15	10/18/21	VOC	1,3-Dichloropropene (total)	542-75-6		U	8.50E-04	8.2E+01		1.8E+01	
SB-204	N	13	15	10/18/21	VOC	1,4-Dioxane	123-91-1		U	8.50E-02	2.4E+02		5.3E+01	
SB-204	N	13	15	10/18/21	VOC	Ethyl tert-butyl ether	637-92-3		U	8.50E-04	5.6E+03		1.3E+03	
SB-204	N	13	15	10/18/21	VOC	Ethyl Benzene	100-41-4		U	1.70E-03	2.5E+02		5.8E+01	
SB-204	N	13	15	10/18/21	VOC	Diethyl ether	60-29-7		U	1.70E-02	2.3E+05		1.6E+04	
SB-204	N	13	15	10/18/21	VOC	2-Hexanone	591-78-6		U	1.70E-02	1.3E+03		2.0E+02	
SB-204	N	13	15	10/18/21	VOC	Methyl Acetate	79-20-9		U	1.70E-03	1.2E+06		7.8E+04	
SB-204	N	13	15	10/18/21	VOC	Methyl tert-butyl ether	1634-04-4		U	3.40E-03	2.1E+03		4.7E+02	
SB-204	N	13	15	10/18/21	VOC	4-Methyl-2-pentanone	108-10-1		U	1.70E-02	1.4E+05		3.3E+04	
SB-204	N	13	15	10/18/21	VOC	Methylcyclohexane	108-87-2		U	1.70E-03	2.7E+04		6.5E+03	
SB-204	N	13	15	10/18/21	VOC	Methylene Chloride	75-09-2		U	1.70E-02	3.2E+03		3.5E+02	
SB-204	N	13	15	10/18/21	VOC	Diisopropyl ether	108-20-3		U	8.50E-04	9.4E+03		2.2E+03	
SB-204	N	13	15	10/18/21	VOC	n-Propylbenzene	103-65-1		U	1.70E-03	2.4E+04		3.8E+03	
SB-204	N	13	15	10/18/21	VOC	Styrene	100-42-5		U	1.70E-03	3.5E+04		6.0E+03	
SB-204	N	13	15	10/18/21	VOC	tert-Butyl alcohol	75-65-0		U	8.50E-02	6.5E+04		1.4E+04	
SB-204	N	13	15	10/18/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6		U	1.70E-03	8.8E+01		2.0E+01	
SB-204	N	13	15	10/18/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5		U	8.50E-04	2.7E+01		6.0E+00	
SB-204	N	13	15	10/18/21	VOC	Tetrachloroethene	127-18-4		U	1.70E-03	3.9E+02		8.1E+01	
SB-204	N	13	15	10/18/21	VOC	Tetrahydrofuran	109-99-9		U	8.50E-03	9.5E+04		1.8E+04	
SB-204	N	13	15	10/18/21	VOC	Toluene	108-88-3		U	1.70E-03	4.7E+04		4.9E+03	



**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-204	N	13	15	10/18/21	VOC	1,2,3-Trichlorobenzene	87-61-6		U	1.70E-03	9.3E+02		6.3E+01	
SB-204	N	13	15	10/18/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	1.70E-03	2.6E+02		5.8E+01	
SB-204	N	13	15	10/18/21	VOC	1,3,5-Trichlorobenzene	108-70-3		U	1.70E-03				
SB-204	N	13	15	10/18/21	VOC	1,1,1-Trichloroethane	71-55-6		U	1.70E-03	3.6E+04		8.1E+03	
SB-204	N	13	15	10/18/21	VOC	1,1,2-Trichloroethane	79-00-5		U	1.70E-03	6.3E+00		1.5E+00	
SB-204	N	13	15	10/18/21	VOC	Trichloroethene	79-01-6		U	1.70E-03	1.9E+01		4.1E+00	
SB-204	N	13	15	10/18/21	VOC	Trichlorofluoromethane	75-69-4		U	8.50E-03	3.5E+05		2.3E+04	
SB-204	N	13	15	10/18/21	VOC	1,2,3-Trichloropropane	96-18-4		U	1.70E-03	1.1E+00		5.1E-02	
SB-204	N	13	15	10/18/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		U	8.50E-03	2.8E+04		6.7E+03	
SB-204	N	13	15	10/18/21	VOC	1,2,4-Trimethylbenzene	95-63-6		U	1.70E-03	1.8E+03		3.0E+02	
SB-204	N	13	15	10/18/21	VOC	1,3,5-Trimethylbenzene	108-67-8		U	1.70E-03	1.5E+03		2.7E+02	
SB-204	N	13	15	10/18/21	VOC	Vinyl Chloride	75-01-4		U	8.50E-03	1.7E+01		5.9E-01	
SB-204	N	13	15	10/18/21	VOC	Xylenes (total)	1330-20-7		U	3.40E-03	2.5E+03		5.8E+02	
SB-204	N	13	15	10/18/21	SVOC	Acenaphthene	83-32-9		U	2.00E-01	4.5E+04		3.6E+03	
SB-204	N	13	15	10/18/21	SVOC	Acenaphthylene	208-96-8		U	2.00E-01	2.3E+04		1.8E+03	
SB-204	N	13	15	10/18/21	SVOC	Acetophenone	98-86-2		U	4.00E-01	1.2E+05		7.8E+03	
SB-204	N	13	15	10/18/21	SVOC	t-Amyl methyl ether	994-05-8		U	8.50E-04				
SB-204	N	13	15	10/18/21	SVOC	Aniline	62-53-3		U	4.00E-01	4.0E+03		4.4E+02	
SB-204	N	13	15	10/18/21	SVOC	Anthracene	120-12-7		U	2.00E-01	2.3E+05		1.8E+04	
SB-204	N	13	15	10/18/21	SVOC	Benzidine	92-87-5		U	7.80E-01	1.0E-01		5.3E-03	
SB-204	N	13	15	10/18/21	SVOC	Benzo(a)anthracene	56-55-3		U	2.00E-01	2.1E+02		1.1E+01	
SB-204	N	13	15	10/18/21	SVOC	Benzo(a)pyrene	50-32-8		U	2.00E-01	2.1E+01		1.1E+00	
SB-204	N	13	15	10/18/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	2.00E-01	2.1E+02		1.1E+01	
SB-204	N	13	15	10/18/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	2.00E-01	2.3E+04		1.8E+03	
SB-204	N	13	15	10/18/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	2.00E-01	2.1E+03		1.1E+02	
SB-204	N	13	15	10/18/21	SVOC	Benzoic Acid	65-85-0		U	1.20E+00	3.3E+06		2.5E+05	
SB-204	N	13	15	10/18/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	4.00E-01	2.5E+03		1.9E+02	
SB-204	N	13	15	10/18/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	4.00E-01	1.0E+01		2.3E+00	
SB-204	N	13	15	10/18/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	4.00E-01	1.6E+03		3.9E+02	
SB-204	N	13	15	10/18/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	4.00E-01				
SB-204	N	13	15	10/18/21	SVOC	Butylbenzylphthalate	85-68-7		U	4.00E-01	1.2E+04		2.9E+03	
SB-204	N	13	15	10/18/21	SVOC	Carbazole	86-74-8		U	2.00E-01	3.0E+04		2.4E+03	
SB-204	N	13	15	10/18/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.80E-01	8.2E+04		6.3E+03	
SB-204	N	13	15	10/18/21	SVOC	4-Chloroaniline	106-47-8		U	7.80E-01	1.1E+02		2.7E+01	
SB-204	N	13	15	10/18/21	SVOC	2-Chloronaphthalene	91-58-7		U	4.00E-01	6.0E+04		4.8E+03	
SB-204	N	13	15	10/18/21	SVOC	2-Chlorophenol	95-57-8		U	4.00E-01	5.8E+03		3.9E+02	
SB-204	N	13	15	10/18/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	4.00E-01				
SB-204	N	13	15	10/18/21	SVOC	Chrysene	218-01-9		U	2.00E-01	2.1E+04		1.1E+03	
SB-204	N	13	15	10/18/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	2.00E-01	2.1E+01		1.1E+00	
SB-204	N	13	15	10/18/21	SVOC	Dibenzofuran	132-64-9		U	4.00E-01	1.2E+03		7.8E+01	
SB-204	N	13	15	10/18/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	2.00E-01	5.1E+01		1.2E+01	
SB-204	N	13	15	10/18/21	SVOC	2,4-Dichlorophenol	120-83-2		U	4.00E-01	2.5E+03		1.9E+02	
SB-204	N	13	15	10/18/21	SVOC	Diethylphthalate	84-66-2		U	4.00E-01	6.6E+05		5.1E+04	
SB-204	N	13	15	10/18/21	SVOC	2,4-Dimethylphenol	105-67-9		U	4.00E-01	1.6E+04		1.3E+03	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-204	N	13	15	10/18/21	SVOC	Dimethylphthalate	131-11-3		U	4.00E-01	6.6E+05		5.1E+04	
SB-204	N	13	15	10/18/21	SVOC	Di-n-butylphthalate	84-74-2		U	4.00E-01	8.2E+04		6.3E+03	
SB-204	N	13	15	10/18/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	4.00E-01	6.6E+01		5.1E+00	
SB-204	N	13	15	10/18/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.80E-01	1.6E+03		1.3E+02	
SB-204	N	13	15	10/18/21	SVOC	Di-n-octylphthalate	117-84-0		U	4.00E-01	8.2E+03		6.3E+02	
SB-204	N	13	15	10/18/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	4.00E-01	2.9E+01		6.8E+00	
SB-204	N	13	15	10/18/21	SVOC	Fluoranthene	206-44-0		U	2.00E-01	3.0E+04		2.4E+03	
SB-204	N	13	15	10/18/21	SVOC	Fluorene	86-73-7		U	2.00E-01	3.0E+04		2.4E+03	
SB-204	N	13	15	10/18/21	SVOC	Hexachlorobenzene	118-74-1		U	4.00E-01	9.6E+00		7.8E-01	
SB-204	N	13	15	10/18/21	SVOC	Hexachlorobutadiene	87-68-3		U	1.70E-03	5.3E+01		1.2E+01	
SB-204	N	13	15	10/18/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	4.00E-01	7.5E+00		1.8E+00	
SB-204	N	13	15	10/18/21	SVOC	Hexachloroethane	67-72-1		U	4.00E-01	8.0E+01		1.8E+01	
SB-204	N	13	15	10/18/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	2.00E-01	2.1E+02		1.1E+01	
SB-204	N	13	15	10/18/21	SVOC	Isophorone	78-59-1		U	4.00E-01	2.4E+04		5.7E+03	
SB-204	N	13	15	10/18/21	SVOC	1-Methylnaphthalene	90-12-0		U	2.00E-01	7.3E+02		1.8E+02	
SB-204	N	13	15	10/18/21	SVOC	2-Methylnaphthalene	91-57-6		U	2.00E-01	3.0E+03		2.4E+02	
SB-204	N	13	15	10/18/21	SVOC	2-Methylphenol	95-48-7		U	4.00E-01	4.1E+04		3.2E+03	
SB-204	N	13	15	10/18/21	SVOC	3&4-Methylphenol	65794-96-9		U	4.00E-01				
SB-204	N	13	15	10/18/21	SVOC	Naphthalene	91-20-3		U	3.40E-03	8.6E+01		2.0E+01	
SB-204	N	13	15	10/18/21	SVOC	2-Nitroaniline	88-74-4		U	4.00E-01	8.0E+03		6.3E+02	
SB-204	N	13	15	10/18/21	SVOC	3-Nitroaniline	99-09-2		U	4.00E-01	1.1E+03		2.5E+02	
SB-204	N	13	15	10/18/21	SVOC	4-Nitroaniline	100-01-6		U	4.00E-01	1.1E+03		2.5E+02	
SB-204	N	13	15	10/18/21	SVOC	2-Nitrophenol	88-75-5		U	4.00E-01				
SB-204	N	13	15	10/18/21	SVOC	4-Nitrophenol	100-02-7		U	7.80E-01				
SB-204	N	13	15	10/18/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	4.00E-01	3.4E-01		2.0E-02	
SB-204	N	13	15	10/18/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	4.00E-01	4.7E+03		1.1E+03	
SB-204	N	13	15	10/18/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	4.00E-01	3.3E+00		7.8E-01	
SB-204	N	13	15	10/18/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	4.00E-01	4.7E+04		3.1E+03	
SB-204	N	13	15	10/18/21	SVOC	Pentachloronitrobenzene	82-68-8		U	4.00E-01	1.3E+02		2.7E+01	
SB-204	N	13	15	10/18/21	SVOC	Pentachlorophenol	87-86-5		U	4.00E-01	4.0E+01		1.0E+01	
SB-204	N	13	15	10/18/21	SVOC	Phenanthrene	85-01-8		U	2.00E-01	2.3E+04		1.8E+03	
SB-204	N	13	15	10/18/21	SVOC	Phenol	108-95-2		U	4.00E-01	2.5E+05		1.9E+04	
SB-204	N	13	15	10/18/21	SVOC	Pyrene	129-00-0		U	2.00E-01	2.3E+04		1.8E+03	
SB-204	N	13	15	10/18/21	SVOC	Pyridine	110-86-1		U	4.00E-01	1.2E+03		7.8E+01	
SB-204	N	13	15	10/18/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	4.00E-01	3.5E+01		2.3E+00	
SB-204	N	13	15	10/18/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	4.00E-01	8.2E+04		6.3E+03	
SB-204	N	13	15	10/18/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	4.00E-01	8.2E+02		6.3E+01	
SB-204	N	13	15	10/18/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	4.00E-01	7.4E+01		1.7E+01	
SB-204	N	13	15	10/18/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	4.00E-01	1.5E+01		3.6E+00	
SB-204	N	13	15	10/18/21	NITRO	Nitrobenzene	98-95-3		U	4.00E-01	2.2E+02		5.1E+01	
SB-204	N	13	15	10/18/21	INORG	Aluminum	7429-90-5	1.00E+04		1.90E+01	1.1E+06	9.1E-03	7.7E+04	1.3E-01
SB-204	N	13	15	10/18/21	INORG	Antimony	7440-36-0		U	1.90E+00	4.7E+02		3.1E+01	
SB-204	N	13	15	10/18/21	INORG	Arsenic	7440-38-2	2.90E+00	J	3.70E+00	3.0E+01	9.7E-02	6.8E+00	4.3E-01
SB-204	N	13	15	10/18/21	INORG	Barium	7440-39-3	6.10E+01		1.90E+00	2.2E+05	2.8E-04	1.5E+04	4.1E-03

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-204	N	13	15	10/18/21	INORG	Beryllium	7440-41-7	8.90E-01		1.90E-01	2.3E+03	3.9E-04	1.6E+02	5.6E-03
SB-204	N	13	15	10/18/21	INORG	Cadmium	7440-43-9		U	3.70E-01	1.0E+02		7.1E+00	
SB-204	N	13	15	10/18/21	INORG	Chromium (total)	7440-47-3	1.50E+01		7.40E-01	1.8E+06	8.3E-06	1.2E+05	1.3E-04
SB-204	N	13	15	10/18/21	INORG	Cobalt	7440-48-4	9.20E+00		1.90E+00	3.5E+02	2.6E-02	2.3E+01	4.0E-01
SB-204	N	13	15	10/18/21	INORG	Copper	7440-50-8	1.70E+01		7.40E-01	4.7E+04	3.6E-04	3.1E+03	5.5E-03
SB-204	N	13	15	10/18/21	INORG	Iron	7439-89-6	2.60E+04		1.90E+03	8.2E+05	3.2E-02	5.5E+04	4.7E-01
SB-204	N	13	15	10/18/21	INORG	Lead	7439-92-1	1.30E+01		5.60E-01	8.0E+02	1.6E-02	2.0E+02	6.5E-02
SB-204	N	13	15	10/18/21	INORG	Manganese	7439-96-5	8.60E+01		3.70E-01	2.6E+04	3.3E-03	1.8E+03	4.8E-02
SB-204	N	13	15	10/18/21	INORG	Mercury	7439-97-6		U	2.90E-02	4.1E+01		7.4E+00	
SB-204	N	13	15	10/18/21	INORG	Nickel	7440-02-0	1.60E+01		7.40E-01	2.2E+04	7.3E-04	1.5E+03	1.1E-02
SB-204	N	13	15	10/18/21	INORG	Selenium	7782-49-2		U	3.70E+00	5.8E+03		3.9E+02	
SB-204	N	13	15	10/18/21	INORG	Silver	7440-22-4		U	3.70E-01	5.8E+03		3.9E+02	
SB-204	N	13	15	10/18/21	INORG	Thallium	7440-28-0		U	1.90E+00	1.2E+01		7.8E-01	
SB-204	N	13	15	10/18/21	INORG	Vanadium	7440-62-2	2.80E+01		7.40E-01	5.8E+03	4.8E-03	3.9E+02	7.2E-02
SB-204	N	13	15	10/18/21	INORG	Zinc	7440-66-6	4.60E+01		7.40E-01	3.5E+05	1.3E-04	2.3E+04	2.0E-03
SB-205	N		1	10/11/21	VOC	1,2-Dichlorobenzene	95-50-1		U	4.10E-01	9.3E+03		1.8E+03	
SB-205	N		1	10/11/21	VOC	1,3-Dichlorobenzene	541-73-1		U	4.10E-01	1.1E+02		2.6E+01	
SB-205	N		1	10/11/21	VOC	1,4-Dichlorobenzene	106-46-7		U	4.10E-01	1.1E+02		2.6E+01	
SB-205	N		1	10/11/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	4.10E-01	2.6E+02		5.8E+01	
SB-205	N		1	10/11/21	SVOC	Acenaphthene	83-32-9		U	2.00E-01	4.5E+04		3.6E+03	
SB-205	N		1	10/11/21	SVOC	Acenaphthylene	208-96-8		U	2.00E-01	2.3E+04		1.8E+03	
SB-205	N		1	10/11/21	SVOC	Acetophenone	98-86-2		U	4.10E-01	1.2E+05		7.8E+03	
SB-205	N		1	10/11/21	SVOC	Aniline	62-53-3		U	4.10E-01	4.0E+03		4.4E+02	
SB-205	N		1	10/11/21	SVOC	Anthracene	120-12-7		U	2.00E-01	2.3E+05		1.8E+04	
SB-205	N		1	10/11/21	SVOC	Benzidine	92-87-5		U	7.90E-01	1.0E-01		5.3E-03	
SB-205	N		1	10/11/21	SVOC	Benzo(a)anthracene	56-55-3		U	2.00E-01	2.1E+02		1.1E+01	
SB-205	N		1	10/11/21	SVOC	Benzo(a)pyrene	50-32-8		U	2.00E-01	2.1E+01		1.1E+00	
SB-205	N		1	10/11/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	2.00E-01	2.1E+02		1.1E+01	
SB-205	N		1	10/11/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	2.00E-01	2.3E+04		1.8E+03	
SB-205	N		1	10/11/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	2.00E-01	2.1E+03		1.1E+02	
SB-205	N		1	10/11/21	SVOC	Benzoic Acid	65-85-0		U	1.20E+00	3.3E+06		2.5E+05	
SB-205	N		1	10/11/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	4.10E-01	2.5E+03		1.9E+02	
SB-205	N		1	10/11/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	4.10E-01	1.0E+01		2.3E+00	
SB-205	N		1	10/11/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	4.10E-01	1.6E+03		3.9E+02	
SB-205	N		1	10/11/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	4.10E-01				
SB-205	N		1	10/11/21	SVOC	Butylbenzylphthalate	85-68-7		U	4.10E-01	1.2E+04		2.9E+03	
SB-205	N		1	10/11/21	SVOC	Carbazole	86-74-8		U	2.00E-01	3.0E+04		2.4E+03	
SB-205	N		1	10/11/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.90E-01	8.2E+04		6.3E+03	
SB-205	N		1	10/11/21	SVOC	4-Chloroaniline	106-47-8		U	7.90E-01	1.1E+02		2.7E+01	
SB-205	N		1	10/11/21	SVOC	2-Chloronaphthalene	91-58-7		U	4.10E-01	6.0E+04		4.8E+03	
SB-205	N		1	10/11/21	SVOC	2-Chlorophenol	95-57-8		U	4.10E-01	5.8E+03		3.9E+02	
SB-205	N		1	10/11/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	4.10E-01				
SB-205	N		1	10/11/21	SVOC	Chrysene	218-01-9		U	2.00E-01	2.1E+04		1.1E+03	
SB-205	N		1	10/11/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	2.00E-01	2.1E+01		1.1E+00	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-205	N		1	10/11/21	SVOC	Dibenzofuran	132-64-9		U	4.10E-01	1.2E+03		7.8E+01	
SB-205	N		1	10/11/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	2.00E-01	5.1E+01		1.2E+01	
SB-205	N		1	10/11/21	SVOC	2,4-Dichlorophenol	120-83-2		U	4.10E-01	2.5E+03		1.9E+02	
SB-205	N		1	10/11/21	SVOC	Diethylphthalate	84-66-2		U	4.10E-01	6.6E+05		5.1E+04	
SB-205	N		1	10/11/21	SVOC	2,4-Dimethylphenol	105-67-9		U	4.10E-01	1.6E+04		1.3E+03	
SB-205	N		1	10/11/21	SVOC	Dimethylphthalate	131-11-3		U	4.10E-01	6.6E+05		5.1E+04	
SB-205	N		1	10/11/21	SVOC	Di-n-butylphthalate	84-74-2		U	4.10E-01	8.2E+04		6.3E+03	
SB-205	N		1	10/11/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	4.10E-01	6.6E+01		5.1E+00	
SB-205	N		1	10/11/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.90E-01	1.6E+03		1.3E+02	
SB-205	N		1	10/11/21	SVOC	Di-n-octylphthalate	117-84-0		U	4.10E-01	8.2E+03		6.3E+02	
SB-205	N		1	10/11/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	4.10E-01	2.9E+01		6.8E+00	
SB-205	N		1	10/11/21	SVOC	Fluoranthene	206-44-0		U	2.00E-01	3.0E+04		2.4E+03	
SB-205	N		1	10/11/21	SVOC	Fluorene	86-73-7		U	2.00E-01	3.0E+04		2.4E+03	
SB-205	N		1	10/11/21	SVOC	Hexachlorobenzene	118-74-1		U	4.10E-01	9.6E+00		7.8E-01	
SB-205	N		1	10/11/21	SVOC	Hexachlorobutadiene	87-68-3		U	4.10E-01	5.3E+01		1.2E+01	
SB-205	N		1	10/11/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	4.10E-01	7.5E+00		1.8E+00	
SB-205	N		1	10/11/21	SVOC	Hexachloroethane	67-72-1		U	4.10E-01	8.0E+01		1.8E+01	
SB-205	N		1	10/11/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	2.00E-01	2.1E+02		1.1E+01	
SB-205	N		1	10/11/21	SVOC	Isophorone	78-59-1		U	4.10E-01	2.4E+04		5.7E+03	
SB-205	N		1	10/11/21	SVOC	1-Methylnaphthalene	90-12-0		U	2.00E-01	7.3E+02		1.8E+02	
SB-205	N		1	10/11/21	SVOC	2-Methylnaphthalene	91-57-6		U	2.00E-01	3.0E+03		2.4E+02	
SB-205	N		1	10/11/21	SVOC	2-Methylphenol	95-48-7		U	4.10E-01	4.1E+04		3.2E+03	
SB-205	N		1	10/11/21	SVOC	3&4-Methylphenol	65794-96-9		U	4.10E-01				
SB-205	N		1	10/11/21	SVOC	Naphthalene	91-20-3		U	2.00E-01	8.6E+01		2.0E+01	
SB-205	N		1	10/11/21	SVOC	2-Nitroaniline	88-74-4		U	4.10E-01	8.0E+03		6.3E+02	
SB-205	N		1	10/11/21	SVOC	3-Nitroaniline	99-09-2		U	4.10E-01	1.1E+03		2.5E+02	
SB-205	N		1	10/11/21	SVOC	4-Nitroaniline	100-01-6		U	4.10E-01	1.1E+03		2.5E+02	
SB-205	N		1	10/11/21	SVOC	2-Nitrophenol	88-75-5		U	4.10E-01				
SB-205	N		1	10/11/21	SVOC	4-Nitrophenol	100-02-7		U	7.90E-01				
SB-205	N		1	10/11/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	4.10E-01	3.4E-01		2.0E-02	
SB-205	N		1	10/11/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	4.10E-01	4.7E+03		1.1E+03	
SB-205	N		1	10/11/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	4.10E-01	3.3E+00		7.8E-01	
SB-205	N		1	10/11/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	4.10E-01	4.7E+04		3.1E+03	
SB-205	N		1	10/11/21	SVOC	Pentachloronitrobenzene	82-68-8		U	4.10E-01	1.3E+02		2.7E+01	
SB-205	N		1	10/11/21	SVOC	Pentachlorophenol	87-86-5		U	4.10E-01	4.0E+01		1.0E+01	
SB-205	N		1	10/11/21	SVOC	Phenanthrene	85-01-8		U	2.00E-01	2.3E+04		1.8E+03	
SB-205	N		1	10/11/21	SVOC	Phenol	108-95-2		U	4.10E-01	2.5E+05		1.9E+04	
SB-205	N		1	10/11/21	SVOC	Pyrene	129-00-0		U	2.00E-01	2.3E+04		1.8E+03	
SB-205	N		1	10/11/21	SVOC	Pyridine	110-86-1		U	4.10E-01	1.2E+03		7.8E+01	
SB-205	N		1	10/11/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	4.10E-01	3.5E+01		2.3E+00	
SB-205	N		1	10/11/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	4.10E-01	8.2E+04		6.3E+03	
SB-205	N		1	10/11/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	4.10E-01	8.2E+02		6.3E+01	
SB-205	N		1	10/11/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	4.10E-01	7.4E+01		1.7E+01	
SB-205	N		1	10/11/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	4.10E-01	1.5E+01		3.6E+00	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-205	N		1	10/11/21	NITRO	Nitrobenzene	98-95-3		U	4.10E-01	2.2E+02		5.1E+01	
SB-205	N		1	10/11/21	INORG	Aluminum	7429-90-5	9.40E+03		1.90E+01	1.1E+06	8.5E-03	7.7E+04	1.2E-01
SB-205	N		1	10/11/21	INORG	Antimony	7440-36-0		U	1.90E+00	4.7E+02		3.1E+01	
SB-205	N		1	10/11/21	INORG	Arsenic	7440-38-2	7.60E+00		3.90E+00	3.0E+01	2.5E-01	6.8E+00	1.1E+00
SB-205	N		1	10/11/21	INORG	Barium	7440-39-3	5.80E+01		1.90E+00	2.2E+05	2.6E-04	1.5E+04	3.9E-03
SB-205	N		1	10/11/21	INORG	Beryllium	7440-41-7	5.60E-01		1.90E-01	2.3E+03	2.4E-04	1.6E+02	3.5E-03
SB-205	N		1	10/11/21	INORG	Cadmium	7440-43-9		U	3.90E-01	1.0E+02		7.1E+00	
SB-205	N		1	10/11/21	INORG	Chromium (total)	7440-47-3	1.50E+01		7.70E-01	1.8E+06	8.3E-06	1.2E+05	1.3E-04
SB-205	N		1	10/11/21	INORG	Cobalt	7440-48-4	5.20E+00		1.90E+00	3.5E+02	1.5E-02	2.3E+01	2.3E-01
SB-205	N		1	10/11/21	INORG	Copper	7440-50-8	1.90E+01		7.70E-01	4.7E+04	4.0E-04	3.1E+03	6.1E-03
SB-205	N		1	10/11/21	INORG	Cyanide (total)	57-12-5	1.40E+00		5.80E-01	1.5E+02	9.3E-03	2.3E+01	6.1E-02
SB-205	N		1	10/11/21	INORG	Lead	7439-92-1	1.10E+01		5.80E-01	8.0E+02	1.4E-02	2.0E+02	5.5E-02
SB-205	N		1	10/11/21	INORG	Manganese	7439-96-5	8.20E+01		3.90E-01	2.6E+04	3.2E-03	1.8E+03	4.6E-02
SB-205	N		1	10/11/21	INORG	Mercury	7439-97-6	7.30E-02		3.10E-02	4.1E+01	1.8E-03	7.4E+00	9.8E-03
SB-205	N		1	10/11/21	INORG	Nickel	7440-02-0	1.20E+01		7.70E-01	2.2E+04	5.5E-04	1.5E+03	8.0E-03
SB-205	N		1	10/11/21	INORG	Selenium	7782-49-2		U	3.90E+00	5.8E+03		3.9E+02	
SB-205	N		1	10/11/21	INORG	Silver	7440-22-4		U	3.90E-01	5.8E+03		3.9E+02	
SB-205	N		1	10/11/21	INORG	Thallium	7440-28-0		U	1.90E+00	1.2E+01		7.8E-01	
SB-205	N		1	10/11/21	INORG	Vanadium	7440-62-2	2.50E+01		7.70E-01	5.8E+03	4.3E-03	3.9E+02	6.4E-02
SB-205	N		1	10/11/21	INORG	Zinc	7440-66-6	3.30E+01		7.70E-01	3.5E+05	9.4E-05	2.3E+04	1.4E-03
SB-205	FD	13	15	10/11/21	VOC	1,2-Dichlorobenzene	95-50-1		U	3.80E-01	9.3E+03		1.8E+03	
SB-205	N	13	15	10/11/21	VOC	1,2-Dichlorobenzene	95-50-1		U	3.70E-01	9.3E+03		1.8E+03	
SB-205	FD	13	15	10/11/21	VOC	1,3-Dichlorobenzene	541-73-1		U	3.80E-01	1.1E+02		2.6E+01	
SB-205	N	13	15	10/11/21	VOC	1,3-Dichlorobenzene	541-73-1		U	3.70E-01	1.1E+02		2.6E+01	
SB-205	FD	13	15	10/11/21	VOC	1,4-Dichlorobenzene	106-46-7		U	3.80E-01	1.1E+02		2.6E+01	
SB-205	N	13	15	10/11/21	VOC	1,4-Dichlorobenzene	106-46-7		U	3.70E-01	1.1E+02		2.6E+01	
SB-205	FD	13	15	10/11/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	3.80E-01	2.6E+02		5.8E+01	
SB-205	N	13	15	10/11/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	3.70E-01	2.6E+02		5.8E+01	
SB-205	FD	13	15	10/11/21	SVOC	Acenaphthene	83-32-9		U	1.90E-01	4.5E+04		3.6E+03	
SB-205	N	13	15	10/11/21	SVOC	Acenaphthene	83-32-9		U	1.90E-01	4.5E+04		3.6E+03	
SB-205	FD	13	15	10/11/21	SVOC	Acenaphthylene	208-96-8		U	1.90E-01	2.3E+04		1.8E+03	
SB-205	N	13	15	10/11/21	SVOC	Acenaphthylene	208-96-8		U	1.90E-01	2.3E+04		1.8E+03	
SB-205	FD	13	15	10/11/21	SVOC	Acetophenone	98-86-2		U	3.80E-01	1.2E+05		7.8E+03	
SB-205	N	13	15	10/11/21	SVOC	Acetophenone	98-86-2		U	3.70E-01	1.2E+05		7.8E+03	
SB-205	FD	13	15	10/11/21	SVOC	Aniline	62-53-3		U	3.80E-01	4.0E+03		4.4E+02	
SB-205	N	13	15	10/11/21	SVOC	Aniline	62-53-3		U	3.70E-01	4.0E+03		4.4E+02	
SB-205	FD	13	15	10/11/21	SVOC	Anthracene	120-12-7		U	1.90E-01	2.3E+05		1.8E+04	
SB-205	N	13	15	10/11/21	SVOC	Anthracene	120-12-7		U	1.90E-01	2.3E+05		1.8E+04	
SB-205	FD	13	15	10/11/21	SVOC	Benzidine	92-87-5		U	7.40E-01	1.0E-01		5.3E-03	
SB-205	N	13	15	10/11/21	SVOC	Benzidine	92-87-5		U	7.20E-01	1.0E-01		5.3E-03	
SB-205	FD	13	15	10/11/21	SVOC	Benzo(a)anthracene	56-55-3		U	1.90E-01	2.1E+02		1.1E+01	
SB-205	N	13	15	10/11/21	SVOC	Benzo(a)anthracene	56-55-3		U	1.90E-01	2.1E+02		1.1E+01	
SB-205	FD	13	15	10/11/21	SVOC	Benzo(a)pyrene	50-32-8		U	1.90E-01	2.1E+01		1.1E+00	
SB-205	N	13	15	10/11/21	SVOC	Benzo(a)pyrene	50-32-8		U	1.90E-01	2.1E+01		1.1E+00	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-205	FD	13	15	10/11/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	1.90E-01	2.1E+02		1.1E+01	
SB-205	N	13	15	10/11/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	1.90E-01	2.1E+02		1.1E+01	
SB-205	FD	13	15	10/11/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	1.90E-01	2.3E+04		1.8E+03	
SB-205	N	13	15	10/11/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	1.90E-01	2.3E+04		1.8E+03	
SB-205	FD	13	15	10/11/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	1.90E-01	2.1E+03		1.1E+02	
SB-205	N	13	15	10/11/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	1.90E-01	2.1E+03		1.1E+02	
SB-205	FD	13	15	10/11/21	SVOC	Benzoic Acid	65-85-0		U	1.10E+00	3.3E+06		2.5E+05	
SB-205	N	13	15	10/11/21	SVOC	Benzoic Acid	65-85-0		U	1.10E+00	3.3E+06		2.5E+05	
SB-205	FD	13	15	10/11/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	3.80E-01	2.5E+03		1.9E+02	
SB-205	N	13	15	10/11/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	3.70E-01	2.5E+03		1.9E+02	
SB-205	FD	13	15	10/11/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	3.80E-01	1.0E+01		2.3E+00	
SB-205	N	13	15	10/11/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	3.70E-01	1.0E+01		2.3E+00	
SB-205	FD	13	15	10/11/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	3.80E-01	1.6E+03		3.9E+02	
SB-205	N	13	15	10/11/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	3.70E-01	1.6E+03		3.9E+02	
SB-205	FD	13	15	10/11/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	3.80E-01				
SB-205	N	13	15	10/11/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	3.70E-01				
SB-205	FD	13	15	10/11/21	SVOC	Butylbenzylphthalate	85-68-7		U	3.80E-01	1.2E+04		2.9E+03	
SB-205	N	13	15	10/11/21	SVOC	Butylbenzylphthalate	85-68-7		U	3.70E-01	1.2E+04		2.9E+03	
SB-205	FD	13	15	10/11/21	SVOC	Carbazole	86-74-8		U	1.90E-01	3.0E+04		2.4E+03	
SB-205	N	13	15	10/11/21	SVOC	Carbazole	86-74-8		U	1.90E-01	3.0E+04		2.4E+03	
SB-205	FD	13	15	10/11/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.40E-01	8.2E+04		6.3E+03	
SB-205	N	13	15	10/11/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.20E-01	8.2E+04		6.3E+03	
SB-205	FD	13	15	10/11/21	SVOC	4-Chloroaniline	106-47-8		U	7.40E-01	1.1E+02		2.7E+01	
SB-205	N	13	15	10/11/21	SVOC	4-Chloroaniline	106-47-8		U	7.20E-01	1.1E+02		2.7E+01	
SB-205	FD	13	15	10/11/21	SVOC	2-Chloronaphthalene	91-58-7		U	3.80E-01	6.0E+04		4.8E+03	
SB-205	N	13	15	10/11/21	SVOC	2-Chloronaphthalene	91-58-7		U	3.70E-01	6.0E+04		4.8E+03	
SB-205	FD	13	15	10/11/21	SVOC	2-Chlorophenol	95-57-8		U	3.80E-01	5.8E+03		3.9E+02	
SB-205	N	13	15	10/11/21	SVOC	2-Chlorophenol	95-57-8		U	3.70E-01	5.8E+03		3.9E+02	
SB-205	FD	13	15	10/11/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	3.80E-01				
SB-205	N	13	15	10/11/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	3.70E-01				
SB-205	FD	13	15	10/11/21	SVOC	Chrysene	218-01-9		U	1.90E-01	2.1E+04		1.1E+03	
SB-205	N	13	15	10/11/21	SVOC	Chrysene	218-01-9		U	1.90E-01	2.1E+04		1.1E+03	
SB-205	FD	13	15	10/11/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	1.90E-01	2.1E+01		1.1E+00	
SB-205	N	13	15	10/11/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	1.90E-01	2.1E+01		1.1E+00	
SB-205	FD	13	15	10/11/21	SVOC	Dibenzofuran	132-64-9		U	3.80E-01	1.2E+03		7.8E+01	
SB-205	N	13	15	10/11/21	SVOC	Dibenzofuran	132-64-9		U	3.70E-01	1.2E+03		7.8E+01	
SB-205	FD	13	15	10/11/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	1.90E-01	5.1E+01		1.2E+01	
SB-205	N	13	15	10/11/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	1.90E-01	5.1E+01		1.2E+01	
SB-205	FD	13	15	10/11/21	SVOC	2,4-Dichlorophenol	120-83-2		U	3.80E-01	2.5E+03		1.9E+02	
SB-205	N	13	15	10/11/21	SVOC	2,4-Dichlorophenol	120-83-2		U	3.70E-01	2.5E+03		1.9E+02	
SB-205	FD	13	15	10/11/21	SVOC	Diethylphthalate	84-66-2		U	3.80E-01	6.6E+05		5.1E+04	
SB-205	N	13	15	10/11/21	SVOC	Diethylphthalate	84-66-2		U	3.70E-01	6.6E+05		5.1E+04	
SB-205	FD	13	15	10/11/21	SVOC	2,4-Dimethylphenol	105-67-9		U	3.80E-01	1.6E+04		1.3E+03	
SB-205	N	13	15	10/11/21	SVOC	2,4-Dimethylphenol	105-67-9		U	3.70E-01	1.6E+04		1.3E+03	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-205	FD	13	15	10/11/21	SVOC	Dimethylphthalate	131-11-3		U	3.80E-01	6.6E+05		5.1E+04	
SB-205	N	13	15	10/11/21	SVOC	Dimethylphthalate	131-11-3		U	3.70E-01	6.6E+05		5.1E+04	
SB-205	FD	13	15	10/11/21	SVOC	Di-n-butylphthalate	84-74-2		U	3.80E-01	8.2E+04		6.3E+03	
SB-205	N	13	15	10/11/21	SVOC	Di-n-butylphthalate	84-74-2		U	3.70E-01	8.2E+04		6.3E+03	
SB-205	FD	13	15	10/11/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	3.80E-01	6.6E+01		5.1E+00	
SB-205	N	13	15	10/11/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	3.70E-01	6.6E+01		5.1E+00	
SB-205	FD	13	15	10/11/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.40E-01	1.6E+03		1.3E+02	
SB-205	N	13	15	10/11/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.20E-01	1.6E+03		1.3E+02	
SB-205	FD	13	15	10/11/21	SVOC	Di-n-octylphthalate	117-84-0		U	3.80E-01	8.2E+03		6.3E+02	
SB-205	N	13	15	10/11/21	SVOC	Di-n-octylphthalate	117-84-0		U	3.70E-01	8.2E+03		6.3E+02	
SB-205	FD	13	15	10/11/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	3.80E-01	2.9E+01		6.8E+00	
SB-205	N	13	15	10/11/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	3.70E-01	2.9E+01		6.8E+00	
SB-205	FD	13	15	10/11/21	SVOC	Fluoranthene	206-44-0		U	1.90E-01	3.0E+04		2.4E+03	
SB-205	N	13	15	10/11/21	SVOC	Fluoranthene	206-44-0		U	1.90E-01	3.0E+04		2.4E+03	
SB-205	FD	13	15	10/11/21	SVOC	Fluorene	86-73-7		U	1.90E-01	3.0E+04		2.4E+03	
SB-205	N	13	15	10/11/21	SVOC	Fluorene	86-73-7		U	1.90E-01	3.0E+04		2.4E+03	
SB-205	FD	13	15	10/11/21	SVOC	Hexachlorobenzene	118-74-1		U	3.80E-01	9.6E+00		7.8E-01	
SB-205	N	13	15	10/11/21	SVOC	Hexachlorobenzene	118-74-1		U	3.70E-01	9.6E+00		7.8E-01	
SB-205	FD	13	15	10/11/21	SVOC	Hexachlorobutadiene	87-68-3		U	3.80E-01	5.3E+01		1.2E+01	
SB-205	N	13	15	10/11/21	SVOC	Hexachlorobutadiene	87-68-3		U	3.70E-01	5.3E+01		1.2E+01	
SB-205	FD	13	15	10/11/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	3.80E-01	7.5E+00		1.8E+00	
SB-205	N	13	15	10/11/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	3.70E-01	7.5E+00		1.8E+00	
SB-205	FD	13	15	10/11/21	SVOC	Hexachloroethane	67-72-1		U	3.80E-01	8.0E+01		1.8E+01	
SB-205	N	13	15	10/11/21	SVOC	Hexachloroethane	67-72-1		U	3.70E-01	8.0E+01		1.8E+01	
SB-205	FD	13	15	10/11/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	1.90E-01	2.1E+02		1.1E+01	
SB-205	N	13	15	10/11/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	1.90E-01	2.1E+02		1.1E+01	
SB-205	FD	13	15	10/11/21	SVOC	Isophorone	78-59-1		U	3.80E-01	2.4E+04		5.7E+03	
SB-205	N	13	15	10/11/21	SVOC	Isophorone	78-59-1		U	3.70E-01	2.4E+04		5.7E+03	
SB-205	FD	13	15	10/11/21	SVOC	1-Methylnaphthalene	90-12-0		U	1.90E-01	7.3E+02		1.8E+02	
SB-205	N	13	15	10/11/21	SVOC	1-Methylnaphthalene	90-12-0		U	1.90E-01	7.3E+02		1.8E+02	
SB-205	FD	13	15	10/11/21	SVOC	2-Methylnaphthalene	91-57-6		U	1.90E-01	3.0E+03		2.4E+02	
SB-205	N	13	15	10/11/21	SVOC	2-Methylnaphthalene	91-57-6		U	1.90E-01	3.0E+03		2.4E+02	
SB-205	FD	13	15	10/11/21	SVOC	2-Methylphenol	95-48-7		U	3.80E-01	4.1E+04		3.2E+03	
SB-205	N	13	15	10/11/21	SVOC	2-Methylphenol	95-48-7		U	3.70E-01	4.1E+04		3.2E+03	
SB-205	FD	13	15	10/11/21	SVOC	3&4-Methylphenol	65794-96-9		U	3.80E-01				
SB-205	N	13	15	10/11/21	SVOC	3&4-Methylphenol	65794-96-9		U	3.70E-01				
SB-205	FD	13	15	10/11/21	SVOC	Naphthalene	91-20-3		U	1.90E-01	8.6E+01		2.0E+01	
SB-205	N	13	15	10/11/21	SVOC	Naphthalene	91-20-3		U	1.90E-01	8.6E+01		2.0E+01	
SB-205	FD	13	15	10/11/21	SVOC	2-Nitroaniline	88-74-4		U	3.80E-01	8.0E+03		6.3E+02	
SB-205	N	13	15	10/11/21	SVOC	2-Nitroaniline	88-74-4		U	3.70E-01	8.0E+03		6.3E+02	
SB-205	FD	13	15	10/11/21	SVOC	3-Nitroaniline	99-09-2		U	3.80E-01	1.1E+03		2.5E+02	
SB-205	N	13	15	10/11/21	SVOC	3-Nitroaniline	99-09-2		U	3.70E-01	1.1E+03		2.5E+02	
SB-205	FD	13	15	10/11/21	SVOC	4-Nitroaniline	100-01-6		U	3.80E-01	1.1E+03		2.5E+02	
SB-205	N	13	15	10/11/21	SVOC	4-Nitroaniline	100-01-6		U	3.70E-01	1.1E+03		2.5E+02	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-205	FD	13	15	10/11/21	SVOC	2-Nitrophenol	88-75-5		U	3.80E-01				
SB-205	N	13	15	10/11/21	SVOC	2-Nitrophenol	88-75-5		U	3.70E-01				
SB-205	FD	13	15	10/11/21	SVOC	4-Nitrophenol	100-02-7		U	7.40E-01				
SB-205	N	13	15	10/11/21	SVOC	4-Nitrophenol	100-02-7		U	7.20E-01				
SB-205	FD	13	15	10/11/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	3.80E-01	3.4E-01		2.0E-02	
SB-205	N	13	15	10/11/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	3.70E-01	3.4E-01		2.0E-02	
SB-205	FD	13	15	10/11/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	3.80E-01	4.7E+03		1.1E+03	
SB-205	N	13	15	10/11/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	3.70E-01	4.7E+03		1.1E+03	
SB-205	FD	13	15	10/11/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	3.80E-01	3.3E+00		7.8E-01	
SB-205	N	13	15	10/11/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	3.70E-01	3.3E+00		7.8E-01	
SB-205	FD	13	15	10/11/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	3.80E-01	4.7E+04		3.1E+03	
SB-205	N	13	15	10/11/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	3.70E-01	4.7E+04		3.1E+03	
SB-205	FD	13	15	10/11/21	SVOC	Pentachloronitrobenzene	82-68-8		U	3.80E-01	1.3E+02		2.7E+01	
SB-205	N	13	15	10/11/21	SVOC	Pentachloronitrobenzene	82-68-8		U	3.70E-01	1.3E+02		2.7E+01	
SB-205	FD	13	15	10/11/21	SVOC	Pentachlorophenol	87-86-5		U	3.80E-01	4.0E+01		1.0E+01	
SB-205	N	13	15	10/11/21	SVOC	Pentachlorophenol	87-86-5		U	3.70E-01	4.0E+01		1.0E+01	
SB-205	FD	13	15	10/11/21	SVOC	Phenanthrene	85-01-8		U	1.90E-01	2.3E+04		1.8E+03	
SB-205	N	13	15	10/11/21	SVOC	Phenanthrene	85-01-8		U	1.90E-01	2.3E+04		1.8E+03	
SB-205	FD	13	15	10/11/21	SVOC	Phenol	108-95-2		U	3.80E-01	2.5E+05		1.9E+04	
SB-205	N	13	15	10/11/21	SVOC	Phenol	108-95-2		U	3.70E-01	2.5E+05		1.9E+04	
SB-205	FD	13	15	10/11/21	SVOC	Pyrene	129-00-0		U	1.90E-01	2.3E+04		1.8E+03	
SB-205	N	13	15	10/11/21	SVOC	Pyrene	129-00-0		U	1.90E-01	2.3E+04		1.8E+03	
SB-205	FD	13	15	10/11/21	SVOC	Pyridine	110-86-1		U	3.80E-01	1.2E+03		7.8E+01	
SB-205	N	13	15	10/11/21	SVOC	Pyridine	110-86-1		U	3.70E-01	1.2E+03		7.8E+01	
SB-205	FD	13	15	10/11/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	3.80E-01	3.5E+01		2.3E+00	
SB-205	N	13	15	10/11/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	3.70E-01	3.5E+01		2.3E+00	
SB-205	FD	13	15	10/11/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	3.80E-01	8.2E+04		6.3E+03	
SB-205	N	13	15	10/11/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	3.70E-01	8.2E+04		6.3E+03	
SB-205	FD	13	15	10/11/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	3.80E-01	8.2E+02		6.3E+01	
SB-205	N	13	15	10/11/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	3.70E-01	8.2E+02		6.3E+01	
SB-205	FD	13	15	10/11/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	3.80E-01	7.4E+01		1.7E+01	
SB-205	N	13	15	10/11/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	3.70E-01	7.4E+01		1.7E+01	
SB-205	FD	13	15	10/11/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	3.80E-01	1.5E+01		3.6E+00	
SB-205	N	13	15	10/11/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	3.70E-01	1.5E+01		3.6E+00	
SB-205	FD	13	15	10/11/21	NITRO	Nitrobenzene	98-95-3		U	3.80E-01	2.2E+02		5.1E+01	
SB-205	N	13	15	10/11/21	NITRO	Nitrobenzene	98-95-3		U	3.70E-01	2.2E+02		5.1E+01	
SB-205	FD	13	15	10/11/21	INORG	Aluminum	7429-90-5	6.30E+03		1.80E+01	1.1E+06	5.7E-03	7.7E+04	8.2E-02
SB-205	N	13	15	10/11/21	INORG	Aluminum	7429-90-5	6.90E+03		1.80E+01	1.1E+06	6.3E-03	7.7E+04	9.0E-02
SB-205	FD	13	15	10/11/21	INORG	Antimony	7440-36-0		U	1.80E+00	4.7E+02		3.1E+01	
SB-205	N	13	15	10/11/21	INORG	Antimony	7440-36-0		U	1.80E+00	4.7E+02		3.1E+01	
SB-205	FD	13	15	10/11/21	INORG	Arsenic	7440-38-2	3.80E+00		3.70E+00	3.0E+01	1.3E-01	6.8E+00	5.6E-01
SB-205	N	13	15	10/11/21	INORG	Arsenic	7440-38-2	3.10E+00	J	3.60E+00	3.0E+01	1.0E-01	6.8E+00	4.6E-01
SB-205	FD	13	15	10/11/21	INORG	Barium	7440-39-3	3.90E+01		1.80E+00	2.2E+05	1.8E-04	1.5E+04	2.6E-03
SB-205	N	13	15	10/11/21	INORG	Barium	7440-39-3	4.40E+01		1.80E+00	2.2E+05	2.0E-04	1.5E+04	2.9E-03



**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-205	FD	13	15	10/11/21	INORG	Beryllium	7440-41-7	5.00E-01		1.80E-01	2.3E+03	2.2E-04	1.6E+02	3.1E-03
SB-205	N	13	15	10/11/21	INORG	Beryllium	7440-41-7	5.20E-01		1.80E-01	2.3E+03	2.3E-04	1.6E+02	3.3E-03
SB-205	FD	13	15	10/11/21	INORG	Cadmium	7440-43-9		U	3.70E-01	1.0E+02		7.1E+00	
SB-205	N	13	15	10/11/21	INORG	Cadmium	7440-43-9		U	3.60E-01	1.0E+02		7.1E+00	
SB-205	FD	13	15	10/11/21	INORG	Chromium (total)	7440-47-3	1.00E+01		7.30E-01	1.8E+06	5.6E-06	1.2E+05	8.3E-05
SB-205	N	13	15	10/11/21	INORG	Chromium (total)	7440-47-3	2.10E+01		7.10E-01	1.8E+06	1.2E-05	1.2E+05	1.8E-04
SB-205	FD	13	15	10/11/21	INORG	Cobalt	7440-48-4	4.80E+00		1.80E+00	3.5E+02	1.4E-02	2.3E+01	2.1E-01
SB-205	N	13	15	10/11/21	INORG	Cobalt	7440-48-4	6.00E+00		1.80E+00	3.5E+02	1.7E-02	2.3E+01	2.6E-01
SB-205	FD	13	15	10/11/21	INORG	Copper	7440-50-8	8.20E+00		7.30E-01	4.7E+04	1.7E-04	3.1E+03	2.6E-03
SB-205	N	13	15	10/11/21	INORG	Copper	7440-50-8	8.90E+00		7.10E-01	4.7E+04	1.9E-04	3.1E+03	2.9E-03
SB-205	FD	13	15	10/11/21	INORG	Cyanide (total)	57-12-5	4.10E-01	J	5.50E-01	1.5E+02	2.7E-03	2.3E+01	1.8E-02
SB-205	N	13	15	10/11/21	INORG	Cyanide (total)	57-12-5		U	5.40E-01	1.5E+02		2.3E+01	
SB-205	FD	13	15	10/11/21	INORG	Iron	7439-89-6	1.40E+04		1.80E+01	8.2E+05	1.7E-02	5.5E+04	2.5E-01
SB-205	N	13	15	10/11/21	INORG	Iron	7439-89-6	1.40E+04		1.80E+01	8.2E+05	1.7E-02	5.5E+04	2.5E-01
SB-205	FD	13	15	10/11/21	INORG	Lead	7439-92-1	5.70E+00		5.50E-01	8.0E+02	7.1E-03	2.0E+02	2.9E-02
SB-205	N	13	15	10/11/21	INORG	Lead	7439-92-1	6.30E+00		5.30E-01	8.0E+02	7.9E-03	2.0E+02	3.2E-02
SB-205	FD	13	15	10/11/21	INORG	Manganese	7439-96-5	6.20E+01		3.70E-01	2.6E+04	2.4E-03	1.8E+03	3.4E-02
SB-205	N	13	15	10/11/21	INORG	Manganese	7439-96-5	6.80E+01		3.60E-01	2.6E+04	2.6E-03	1.8E+03	3.8E-02
SB-205	FD	13	15	10/11/21	INORG	Mercury	7439-97-6		U	2.90E-02	4.1E+01		7.4E+00	
SB-205	N	13	15	10/11/21	INORG	Mercury	7439-97-6		U	2.80E-02	4.1E+01		7.4E+00	
SB-205	FD	13	15	10/11/21	INORG	Nickel	7440-02-0	9.30E+00		7.30E-01	2.2E+04	4.2E-04	1.5E+03	6.2E-03
SB-205	N	13	15	10/11/21	INORG	Nickel	7440-02-0	1.20E+01		7.10E-01	2.2E+04	5.5E-04	1.5E+03	8.0E-03
SB-205	FD	13	15	10/11/21	INORG	Selenium	7782-49-2		U	3.70E+00	5.8E+03		3.9E+02	
SB-205	N	13	15	10/11/21	INORG	Selenium	7782-49-2		U	3.60E+00	5.8E+03		3.9E+02	
SB-205	FD	13	15	10/11/21	INORG	Silver	7440-22-4		U	3.70E-01	5.8E+03		3.9E+02	
SB-205	N	13	15	10/11/21	INORG	Silver	7440-22-4		U	3.60E-01	5.8E+03		3.9E+02	
SB-205	FD	13	15	10/11/21	INORG	Thallium	7440-28-0		U	1.80E+00	1.2E+01		7.8E-01	
SB-205	N	13	15	10/11/21	INORG	Thallium	7440-28-0		U	1.80E+00	1.2E+01		7.8E-01	
SB-205	FD	13	15	10/11/21	INORG	Vanadium	7440-62-2	1.70E+01		7.30E-01	5.8E+03	2.9E-03	3.9E+02	4.4E-02
SB-205	N	13	15	10/11/21	INORG	Vanadium	7440-62-2	1.80E+01		7.10E-01	5.8E+03	3.1E-03	3.9E+02	4.6E-02
SB-205	FD	13	15	10/11/21	INORG	Zinc	7440-66-6	2.50E+01		7.30E-01	3.5E+05	7.1E-05	2.3E+04	1.1E-03
SB-205	N	13	15	10/11/21	INORG	Zinc	7440-66-6	2.70E+01		7.10E-01	3.5E+05	7.7E-05	2.3E+04	1.2E-03
SB-206	N		1	10/12/21	VOC	1,2-Dichlorobenzene	95-50-1		U	3.80E-01	9.3E+03		1.8E+03	
SB-206	N		1	10/12/21	VOC	1,3-Dichlorobenzene	541-73-1		U	3.80E-01	1.1E+02		2.6E+01	
SB-206	N		1	10/12/21	VOC	1,4-Dichlorobenzene	106-46-7		U	3.80E-01	1.1E+02		2.6E+01	
SB-206	N		1	10/12/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	3.80E-01	2.6E+02		5.8E+01	
SB-206	N		1	10/12/21	SVOC	Acenaphthene	83-32-9		U	1.90E-01	4.5E+04		3.6E+03	
SB-206	N		1	10/12/21	SVOC	Acenaphthylene	208-96-8		U	1.90E-01	2.3E+04		1.8E+03	
SB-206	N		1	10/12/21	SVOC	Acetophenone	98-86-2		U	3.80E-01	1.2E+05		7.8E+03	
SB-206	N		1	10/12/21	SVOC	Aniline	62-53-3		U	3.80E-01	4.0E+03		4.4E+02	
SB-206	N		1	10/12/21	SVOC	Anthracene	120-12-7		U	1.90E-01	2.3E+05		1.8E+04	
SB-206	N		1	10/12/21	SVOC	Benzidine	92-87-5		U	7.50E-01	1.0E-01		5.3E-03	
SB-206	N		1	10/12/21	SVOC	Benzo(a)anthracene	56-55-3		U	1.90E-01	2.1E+02		1.1E+01	
SB-206	N		1	10/12/21	SVOC	Benzo(a)pyrene	50-32-8		U	1.90E-01	2.1E+01		1.1E+00	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-206	N		1	10/12/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	1.90E-01	2.1E+02		1.1E+01	
SB-206	N		1	10/12/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	1.90E-01	2.3E+04		1.8E+03	
SB-206	N		1	10/12/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	1.90E-01	2.1E+03		1.1E+02	
SB-206	N		1	10/12/21	SVOC	Benzoic Acid	65-85-0		U	1.10E+00	3.3E+06		2.5E+05	
SB-206	N		1	10/12/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	3.80E-01	2.5E+03		1.9E+02	
SB-206	N		1	10/12/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	3.80E-01	1.0E+01		2.3E+00	
SB-206	N		1	10/12/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	3.80E-01	1.6E+03		3.9E+02	
SB-206	N		1	10/12/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	3.80E-01				
SB-206	N		1	10/12/21	SVOC	Butylbenzylphthalate	85-68-7		U	3.80E-01	1.2E+04		2.9E+03	
SB-206	N		1	10/12/21	SVOC	Carbazole	86-74-8		U	1.90E-01	3.0E+04		2.4E+03	
SB-206	N		1	10/12/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.50E-01	8.2E+04		6.3E+03	
SB-206	N		1	10/12/21	SVOC	4-Chloroaniline	106-47-8		U	7.50E-01	1.1E+02		2.7E+01	
SB-206	N		1	10/12/21	SVOC	2-Chloronaphthalene	91-58-7		U	3.80E-01	6.0E+04		4.8E+03	
SB-206	N		1	10/12/21	SVOC	2-Chlorophenol	95-57-8		U	3.80E-01	5.8E+03		3.9E+02	
SB-206	N		1	10/12/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	3.80E-01				
SB-206	N		1	10/12/21	SVOC	Chrysene	218-01-9		U	1.90E-01	2.1E+04		1.1E+03	
SB-206	N		1	10/12/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	1.90E-01	2.1E+01		1.1E+00	
SB-206	N		1	10/12/21	SVOC	Dibenzofuran	132-64-9		U	3.80E-01	1.2E+03		7.8E+01	
SB-206	N		1	10/12/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	1.90E-01	5.1E+01		1.2E+01	
SB-206	N		1	10/12/21	SVOC	2,4-Dichlorophenol	120-83-2		U	3.80E-01	2.5E+03		1.9E+02	
SB-206	N		1	10/12/21	SVOC	Diethylphthalate	84-66-2		U	3.80E-01	6.6E+05		5.1E+04	
SB-206	N		1	10/12/21	SVOC	2,4-Dimethylphenol	105-67-9		U	3.80E-01	1.6E+04		1.3E+03	
SB-206	N		1	10/12/21	SVOC	Dimethylphthalate	131-11-3		U	3.80E-01	6.6E+05		5.1E+04	
SB-206	N		1	10/12/21	SVOC	Di-n-butylphthalate	84-74-2		U	3.80E-01	8.2E+04		6.3E+03	
SB-206	N		1	10/12/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	3.80E-01	6.6E+01		5.1E+00	
SB-206	N		1	10/12/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.50E-01	1.6E+03		1.3E+02	
SB-206	N		1	10/12/21	SVOC	Di-n-octylphthalate	117-84-0		U	3.80E-01	8.2E+03		6.3E+02	
SB-206	N		1	10/12/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	3.80E-01	2.9E+01		6.8E+00	
SB-206	N		1	10/12/21	SVOC	Fluoranthene	206-44-0		U	1.90E-01	3.0E+04		2.4E+03	
SB-206	N		1	10/12/21	SVOC	Fluorene	86-73-7		U	1.90E-01	3.0E+04		2.4E+03	
SB-206	N		1	10/12/21	SVOC	Hexachlorobenzene	118-74-1		U	3.80E-01	9.6E+00		7.8E-01	
SB-206	N		1	10/12/21	SVOC	Hexachlorobutadiene	87-68-3		U	3.80E-01	5.3E+01		1.2E+01	
SB-206	N		1	10/12/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	3.80E-01	7.5E+00		1.8E+00	
SB-206	N		1	10/12/21	SVOC	Hexachloroethane	67-72-1		U	3.80E-01	8.0E+01		1.8E+01	
SB-206	N		1	10/12/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	1.90E-01	2.1E+02		1.1E+01	
SB-206	N		1	10/12/21	SVOC	Isophorone	78-59-1		U	3.80E-01	2.4E+04		5.7E+03	
SB-206	N		1	10/12/21	SVOC	1-Methylnaphthalene	90-12-0	1.00E-01	J	1.90E-01	7.3E+02	1.4E-04	1.8E+02	5.6E-04
SB-206	N		1	10/12/21	SVOC	2-Methylnaphthalene	91-57-6	1.70E-01	J	1.90E-01	3.0E+03	5.7E-05	2.4E+02	7.1E-04
SB-206	N		1	10/12/21	SVOC	2-Methylphenol	95-48-7		U	3.80E-01	4.1E+04		3.2E+03	
SB-206	N		1	10/12/21	SVOC	3&4-Methylphenol	65794-96-9		U	3.80E-01				
SB-206	N		1	10/12/21	SVOC	Naphthalene	91-20-3	1.10E-01	J	1.90E-01	8.6E+01	1.3E-03	2.0E+01	5.5E-03
SB-206	N		1	10/12/21	SVOC	2-Nitroaniline	88-74-4		U	3.80E-01	8.0E+03		6.3E+02	
SB-206	N		1	10/12/21	SVOC	3-Nitroaniline	99-09-2		U	3.80E-01	1.1E+03		2.5E+02	
SB-206	N		1	10/12/21	SVOC	4-Nitroaniline	100-01-6		U	3.80E-01	1.1E+03		2.5E+02	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-206	N		1	10/12/21	SVOC	2-Nitrophenol	88-75-5		U	3.80E-01				
SB-206	N		1	10/12/21	SVOC	4-Nitrophenol	100-02-7		U	7.50E-01				
SB-206	N		1	10/12/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	3.80E-01	3.4E-01		2.0E-02	
SB-206	N		1	10/12/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	3.80E-01	4.7E+03		1.1E+03	
SB-206	N		1	10/12/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	3.80E-01	3.3E+00		7.8E-01	
SB-206	N		1	10/12/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	3.80E-01	4.7E+04		3.1E+03	
SB-206	N		1	10/12/21	SVOC	Pentachloronitrobenzene	82-68-8		U	3.80E-01	1.3E+02		2.7E+01	
SB-206	N		1	10/12/21	SVOC	Pentachlorophenol	87-86-5		U	3.80E-01	4.0E+01		1.0E+01	
SB-206	N		1	10/12/21	SVOC	Phenanthrene	85-01-8	8.80E-02	J	1.90E-01	2.3E+04	3.8E-06	1.8E+03	4.9E-05
SB-206	N		1	10/12/21	SVOC	Phenol	108-95-2		U	3.80E-01	2.5E+05		1.9E+04	
SB-206	N		1	10/12/21	SVOC	Pyrene	129-00-0		U	1.90E-01	2.3E+04		1.8E+03	
SB-206	N		1	10/12/21	SVOC	Pyridine	110-86-1		U	3.80E-01	1.2E+03		7.8E+01	
SB-206	N		1	10/12/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	3.80E-01	3.5E+01		2.3E+00	
SB-206	N		1	10/12/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	3.80E-01	8.2E+04		6.3E+03	
SB-206	N		1	10/12/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	3.80E-01	8.2E+02		6.3E+01	
SB-206	N		1	10/12/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	3.80E-01	7.4E+01		1.7E+01	
SB-206	N		1	10/12/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	3.80E-01	1.5E+01		3.6E+00	
SB-206	N		1	10/12/21	NITRO	Nitrobenzene	98-95-3		U	3.80E-01	2.2E+02		5.1E+01	
SB-206	N		1	10/12/21	INORG	Aluminum	7429-90-5	8.50E+03		1.90E+01	1.1E+06	7.7E-03	7.7E+04	1.1E-01
SB-206	N		1	10/12/21	INORG	Antimony	7440-36-0		U	1.90E+00	4.7E+02		3.1E+01	
SB-206	N		1	10/12/21	INORG	Arsenic	7440-38-2	5.60E+00		3.80E+00	3.0E+01	1.9E-01	6.8E+00	8.2E-01
SB-206	N		1	10/12/21	INORG	Barium	7440-39-3	6.40E+01		1.90E+00	2.2E+05	2.9E-04	1.5E+04	4.3E-03
SB-206	N		1	10/12/21	INORG	Beryllium	7440-41-7	7.80E-01		1.90E-01	2.3E+03	3.4E-04	1.6E+02	4.9E-03
SB-206	N		1	10/12/21	INORG	Cadmium	7440-43-9		U	3.80E-01	1.0E+02		7.1E+00	
SB-206	N		1	10/12/21	INORG	Chromium (total)	7440-47-3	1.90E+01		7.70E-01	1.8E+06	1.1E-05	1.2E+05	1.6E-04
SB-206	N		1	10/12/21	INORG	Cobalt	7440-48-4	1.30E+01		1.90E+00	3.5E+02	3.7E-02	2.3E+01	5.7E-01
SB-206	N		1	10/12/21	INORG	Copper	7440-50-8	2.00E+01		7.70E-01	4.7E+04	4.3E-04	3.1E+03	6.5E-03
SB-206	N		1	10/12/21	INORG	Cyanide (total)	57-12-5		U	5.50E-01	1.5E+02		2.3E+01	
SB-206	N		1	10/12/21	INORG	Lead	7439-92-1	1.60E+01		5.80E-01	8.0E+02	2.0E-02	2.0E+02	8.0E-02
SB-206	N		1	10/12/21	INORG	Manganese	7439-96-5	1.80E+02		3.80E-01	2.6E+04	6.9E-03	1.8E+03	1.0E-01
SB-206	N		1	10/12/21	INORG	Mercury	7439-97-6	4.10E-02		3.10E-02	4.1E+01	1.0E-03	7.4E+00	5.5E-03
SB-206	N		1	10/12/21	INORG	Nickel	7440-02-0	1.50E+01		7.70E-01	2.2E+04	6.8E-04	1.5E+03	1.0E-02
SB-206	N		1	10/12/21	INORG	Selenium	7782-49-2		U	3.80E+00	5.8E+03		3.9E+02	
SB-206	N		1	10/12/21	INORG	Silver	7440-22-4		U	3.80E-01	5.8E+03		3.9E+02	
SB-206	N		1	10/12/21	INORG	Thallium	7440-28-0		U	1.90E+00	1.2E+01		7.8E-01	
SB-206	N		1	10/12/21	INORG	Vanadium	7440-62-2	2.50E+01		7.70E-01	5.8E+03	4.3E-03	3.9E+02	6.4E-02
SB-206	N		1	10/12/21	INORG	Zinc	7440-66-6	5.00E+01		7.70E-01	3.5E+05	1.4E-04	2.3E+04	2.2E-03
SB-206	N	5	7	10/12/21	VOC	Acetone	67-64-1		U	8.30E-02	1.1E+06		7.0E+04	
SB-206	N	5	7	10/12/21	VOC	Acrylonitrile	107-13-1		U	5.00E-03	1.1E+01		2.5E+00	
SB-206	N	5	7	10/12/21	VOC	Benzene	71-43-2		U	1.70E-03	5.1E+01		1.2E+01	
SB-206	N	5	7	10/12/21	VOC	Bromobenzene	108-86-1		U	1.70E-03	1.8E+03		2.9E+02	
SB-206	N	5	7	10/12/21	VOC	Bromochloromethane	74-97-5		U	1.70E-03	6.3E+02		1.5E+02	
SB-206	N	5	7	10/12/21	VOC	Bromodichloromethane	75-27-4		U	1.70E-03	1.3E+01		2.9E+00	
SB-206	N	5	7	10/12/21	VOC	Bromoform	75-25-2		U	1.70E-03	8.6E+02		1.9E+02	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-206	N	5	7	10/12/21	VOC	Bromomethane	74-83-9		U	8.30E-03	3.0E+01		6.8E+00	
SB-206	N	5	7	10/12/21	VOC	2-Butanone	78-93-3	1.30E-02	J	3.30E-02	1.9E+05	6.8E-08	2.7E+04	4.8E-07
SB-206	N	5	7	10/12/21	VOC	n-Butylbenzene	104-51-8		U	1.70E-03	5.8E+04		3.9E+03	
SB-206	N	5	7	10/12/21	VOC	sec-Butylbenzene	135-98-8		U	1.70E-03	1.2E+05		7.8E+03	
SB-206	N	5	7	10/12/21	VOC	tert-Butylbenzene	98-06-6		U	1.70E-03	1.2E+05		7.8E+03	
SB-206	N	5	7	10/12/21	VOC	Carbon Disulfide	75-15-0		U	8.30E-03	3.5E+03		7.7E+02	
SB-206	N	5	7	10/12/21	VOC	Carbon Tetrachloride	56-23-5		U	1.70E-03	2.9E+01		6.5E+00	
SB-206	N	5	7	10/12/21	VOC	Chlorobenzene	108-90-7		U	1.70E-03	1.3E+03		2.8E+02	
SB-206	N	5	7	10/12/21	VOC	Chloroethane	75-00-3		U	1.70E-02	2.3E+04		5.4E+03	
SB-206	N	5	7	10/12/21	VOC	Chloroform	67-66-3		U	3.30E-03	1.4E+01		3.2E+00	
SB-206	N	5	7	10/12/21	VOC	Chloromethane	74-87-3		U	8.30E-03	4.6E+02		1.1E+02	
SB-206	N	5	7	10/12/21	VOC	2-Chlorotoluene	95-49-8		U	1.70E-03	2.3E+04		1.6E+03	
SB-206	N	5	7	10/12/21	VOC	4-Chlorotoluene	106-43-4		U	1.70E-03	2.3E+04		1.6E+03	
SB-206	N	5	7	10/12/21	VOC	Cumene	98-82-8		U	1.70E-03	9.9E+03		1.9E+03	
SB-206	N	5	7	10/12/21	VOC	p-Cymene	99-87-6		U	1.70E-03				
SB-206	N	5	7	10/12/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8		U	1.70E-03	6.4E-01		5.3E-02	
SB-206	N	5	7	10/12/21	VOC	Dibromochloromethane	124-48-1		U	8.30E-04	3.9E+02		8.3E+01	
SB-206	N	5	7	10/12/21	VOC	1,2-Dibromoethane	106-93-4		U	8.30E-04	1.6E+00		3.6E-01	
SB-206	N	5	7	10/12/21	VOC	Dibromomethane	74-95-3		U	1.70E-03	9.9E+01		2.4E+01	
SB-206	N	5	7	10/12/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6		U	3.30E-03	3.2E-01		7.4E-02	
SB-206	N	5	7	10/12/21	VOC	1,2-Dichlorobenzene	95-50-1		U	1.70E-03	9.3E+03		1.8E+03	
SB-206	N	5	7	10/12/21	VOC	1,3-Dichlorobenzene	541-73-1		U	1.70E-03	1.1E+02		2.6E+01	
SB-206	N	5	7	10/12/21	VOC	1,4-Dichlorobenzene	106-46-7		U	1.70E-03	1.1E+02		2.6E+01	
SB-206	N	5	7	10/12/21	VOC	Dichlorodifluoromethane	75-71-8		U	1.70E-02	3.7E+02		8.7E+01	
SB-206	N	5	7	10/12/21	VOC	1,1-Dichloroethane	75-34-3		U	1.70E-03	1.6E+02		3.6E+01	
SB-206	N	5	7	10/12/21	VOC	1,2-Dichloroethane	107-06-2		U	1.70E-03	2.0E+01		4.6E+00	
SB-206	N	5	7	10/12/21	VOC	1,1-Dichloroethene	75-35-4		U	3.30E-03	1.0E+03		2.3E+02	
SB-206	N	5	7	10/12/21	VOC	cis-1,2-Dichloroethene	156-59-2		U	1.70E-03	3.7E+02		6.3E+01	
SB-206	N	5	7	10/12/21	VOC	trans-1,2-Dichloroethene	156-60-5		U	1.70E-03	3.0E+02		7.0E+01	
SB-206	N	5	7	10/12/21	VOC	1,2-Dichloropropane	78-87-5		U	1.70E-03	6.6E+01		1.6E+01	
SB-206	N	5	7	10/12/21	VOC	1,3-Dichloropropane	142-28-9		U	8.30E-04	2.3E+04		1.6E+03	
SB-206	N	5	7	10/12/21	VOC	2,2-Dichloropropane	594-20-7		U	1.70E-03				
SB-206	N	5	7	10/12/21	VOC	1,1-Dichloropropene	563-58-6		U	1.70E-03				
SB-206	N	5	7	10/12/21	VOC	1,3-Dichloropropene (total)	542-75-6		U	8.30E-04	8.2E+01		1.8E+01	
SB-206	N	5	7	10/12/21	VOC	1,4-Dioxane	123-91-1		U	8.30E-02	2.4E+02		5.3E+01	
SB-206	N	5	7	10/12/21	VOC	Ethyl tert-butyl ether	637-92-3		U	8.30E-04	5.6E+03		1.3E+03	
SB-206	N	5	7	10/12/21	VOC	Ethyl Benzene	100-41-4		U	1.70E-03	2.5E+02		5.8E+01	
SB-206	N	5	7	10/12/21	VOC	Diethyl ether	60-29-7		U	1.70E-02	2.3E+05		1.6E+04	
SB-206	N	5	7	10/12/21	VOC	2-Hexanone	591-78-6		U	1.70E-02	1.3E+03		2.0E+02	
SB-206	N	5	7	10/12/21	VOC	Methyl Acetate	79-20-9	4.10E-03		1.70E-03	1.2E+06	3.4E-09	7.8E+04	5.3E-08
SB-206	N	5	7	10/12/21	VOC	Methyl tert-butyl ether	1634-04-4		U	3.30E-03	2.1E+03		4.7E+02	
SB-206	N	5	7	10/12/21	VOC	4-Methyl-2-pentanone	108-10-1		U	1.70E-02	1.4E+05		3.3E+04	
SB-206	N	5	7	10/12/21	VOC	Methylcyclohexane	108-87-2		U	1.70E-03	2.7E+04		6.5E+03	
SB-206	N	5	7	10/12/21	VOC	Methylene Chloride	75-09-2	6.90E-04	J	1.70E-02	3.2E+03	2.2E-07	3.5E+02	2.0E-06

**Attachment 1-1: Soil Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-206	N	5	7	10/12/21	VOC	Diisopropyl ether	108-20-3		U	8.30E-04	9.4E+03		2.2E+03	
SB-206	N	5	7	10/12/21	VOC	n-Propylbenzene	103-65-1		U	1.70E-03	2.4E+04		3.8E+03	
SB-206	N	5	7	10/12/21	VOC	Styrene	100-42-5		U	1.70E-03	3.5E+04		6.0E+03	
SB-206	N	5	7	10/12/21	VOC	tert-Butyl alcohol	75-65-0		U	8.30E-02	6.5E+04		1.4E+04	
SB-206	N	5	7	10/12/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6		U	1.70E-03	8.8E+01		2.0E+01	
SB-206	N	5	7	10/12/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5		U	8.30E-04	2.7E+01		6.0E+00	
SB-206	N	5	7	10/12/21	VOC	Tetrachloroethene	127-18-4		U	1.70E-03	3.9E+02		8.1E+01	
SB-206	N	5	7	10/12/21	VOC	Tetrahydrofuran	109-99-9		U	8.30E-03	9.5E+04		1.8E+04	
SB-206	N	5	7	10/12/21	VOC	Toluene	108-88-3		U	1.70E-03	4.7E+04		4.9E+03	
SB-206	N	5	7	10/12/21	VOC	1,2,3-Trichlorobenzene	87-61-6		U	1.70E-03	9.3E+02		6.3E+01	
SB-206	N	5	7	10/12/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	1.70E-03	2.6E+02		5.8E+01	
SB-206	N	5	7	10/12/21	VOC	1,3,5-Trichlorobenzene	108-70-3		U	1.70E-03				
SB-206	N	5	7	10/12/21	VOC	1,1,1-Trichloroethane	71-55-6		U	1.70E-03	3.6E+04		8.1E+03	
SB-206	N	5	7	10/12/21	VOC	1,1,2-Trichloroethane	79-00-5		U	1.70E-03	6.3E+00		1.5E+00	
SB-206	N	5	7	10/12/21	VOC	Trichloroethene	79-01-6		U	1.70E-03	1.9E+01		4.1E+00	
SB-206	N	5	7	10/12/21	VOC	Trichlorofluoromethane	75-69-4		U	8.30E-03	3.5E+05		2.3E+04	
SB-206	N	5	7	10/12/21	VOC	1,2,3-Trichloropropane	96-18-4		U	1.70E-03	1.1E+00		5.1E-02	
SB-206	N	5	7	10/12/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		U	8.30E-03	2.8E+04		6.7E+03	
SB-206	N	5	7	10/12/21	VOC	1,2,4-Trimethylbenzene	95-63-6		U	1.70E-03	1.8E+03		3.0E+02	
SB-206	N	5	7	10/12/21	VOC	1,3,5-Trimethylbenzene	108-67-8		U	1.70E-03	1.5E+03		2.7E+02	
SB-206	N	5	7	10/12/21	VOC	Vinyl Chloride	75-01-4		U	8.30E-03	1.7E+01		5.9E-01	
SB-206	N	5	7	10/12/21	VOC	Xylenes (total)	1330-20-7		U	3.30E-03	2.5E+03		5.8E+02	
SB-206	N	5	7	10/12/21	SVOC	Acenaphthene	83-32-9		U	2.00E-01	4.5E+04		3.6E+03	
SB-206	N	5	7	10/12/21	SVOC	Acenaphthylene	208-96-8		U	2.00E-01	2.3E+04		1.8E+03	
SB-206	N	5	7	10/12/21	SVOC	Acetophenone	98-86-2		U	4.00E-01	1.2E+05		7.8E+03	
SB-206	N	5	7	10/12/21	SVOC	t-Amyl methyl ether	994-05-8		U	8.30E-04				
SB-206	N	5	7	10/12/21	SVOC	Aniline	62-53-3		U	4.00E-01	4.0E+03		4.4E+02	
SB-206	N	5	7	10/12/21	SVOC	Anthracene	120-12-7		U	2.00E-01	2.3E+05		1.8E+04	
SB-206	N	5	7	10/12/21	SVOC	Benzidine	92-87-5		U	7.70E-01	1.0E-01		5.3E-03	
SB-206	N	5	7	10/12/21	SVOC	Benzo(a)anthracene	56-55-3		U	2.00E-01	2.1E+02		1.1E+01	
SB-206	N	5	7	10/12/21	SVOC	Benzo(a)pyrene	50-32-8		U	2.00E-01	2.1E+01		1.1E+00	
SB-206	N	5	7	10/12/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	2.00E-01	2.1E+02		1.1E+01	
SB-206	N	5	7	10/12/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	2.00E-01	2.3E+04		1.8E+03	
SB-206	N	5	7	10/12/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	2.00E-01	2.1E+03		1.1E+02	
SB-206	N	5	7	10/12/21	SVOC	Benzoic Acid	65-85-0		U	1.20E+00	3.3E+06		2.5E+05	
SB-206	N	5	7	10/12/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	4.00E-01	2.5E+03		1.9E+02	
SB-206	N	5	7	10/12/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	4.00E-01	1.0E+01		2.3E+00	
SB-206	N	5	7	10/12/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	4.00E-01	1.6E+03		3.9E+02	
SB-206	N	5	7	10/12/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	4.00E-01				
SB-206	N	5	7	10/12/21	SVOC	Butylbenzylphthalate	85-68-7		U	4.00E-01	1.2E+04		2.9E+03	
SB-206	N	5	7	10/12/21	SVOC	Carbazole	86-74-8		U	2.00E-01	3.0E+04		2.4E+03	
SB-206	N	5	7	10/12/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.70E-01	8.2E+04		6.3E+03	
SB-206	N	5	7	10/12/21	SVOC	4-Chloroaniline	106-47-8		U	7.70E-01	1.1E+02		2.7E+01	
SB-206	N	5	7	10/12/21	SVOC	2-Chloronaphthalene	91-58-7		U	4.00E-01	6.0E+04		4.8E+03	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-206	N	5	7	10/12/21	SVOC	2-Chlorophenol	95-57-8		U	4.00E-01	5.8E+03		3.9E+02	
SB-206	N	5	7	10/12/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	4.00E-01				
SB-206	N	5	7	10/12/21	SVOC	Chrysene	218-01-9		U	2.00E-01	2.1E+04		1.1E+03	
SB-206	N	5	7	10/12/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	2.00E-01	2.1E+01		1.1E+00	
SB-206	N	5	7	10/12/21	SVOC	Dibenzofuran	132-64-9		U	4.00E-01	1.2E+03		7.8E+01	
SB-206	N	5	7	10/12/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	2.00E-01	5.1E+01		1.2E+01	
SB-206	N	5	7	10/12/21	SVOC	2,4-Dichlorophenol	120-83-2		U	4.00E-01	2.5E+03		1.9E+02	
SB-206	N	5	7	10/12/21	SVOC	Diethylphthalate	84-66-2		U	4.00E-01	6.6E+05		5.1E+04	
SB-206	N	5	7	10/12/21	SVOC	2,4-Dimethylphenol	105-67-9		U	4.00E-01	1.6E+04		1.3E+03	
SB-206	N	5	7	10/12/21	SVOC	Dimethylphthalate	131-11-3		U	4.00E-01	6.6E+05		5.1E+04	
SB-206	N	5	7	10/12/21	SVOC	Di-n-butylphthalate	84-74-2		U	4.00E-01	8.2E+04		6.3E+03	
SB-206	N	5	7	10/12/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	4.00E-01	6.6E+01		5.1E+00	
SB-206	N	5	7	10/12/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.70E-01	1.6E+03		1.3E+02	
SB-206	N	5	7	10/12/21	SVOC	Di-n-octylphthalate	117-84-0		U	4.00E-01	8.2E+03		6.3E+02	
SB-206	N	5	7	10/12/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	4.00E-01	2.9E+01		6.8E+00	
SB-206	N	5	7	10/12/21	SVOC	Fluoranthene	206-44-0		U	2.00E-01	3.0E+04		2.4E+03	
SB-206	N	5	7	10/12/21	SVOC	Fluorene	86-73-7		U	2.00E-01	3.0E+04		2.4E+03	
SB-206	N	5	7	10/12/21	SVOC	Hexachlorobenzene	118-74-1		U	4.00E-01	9.6E+00		7.8E-01	
SB-206	N	5	7	10/12/21	SVOC	Hexachlorobutadiene	87-68-3		U	1.70E-03	5.3E+01		1.2E+01	
SB-206	N	5	7	10/12/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	4.00E-01	7.5E+00		1.8E+00	
SB-206	N	5	7	10/12/21	SVOC	Hexachloroethane	67-72-1		U	4.00E-01	8.0E+01		1.8E+01	
SB-206	N	5	7	10/12/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	2.00E-01	2.1E+02		1.1E+01	
SB-206	N	5	7	10/12/21	SVOC	Isophorone	78-59-1		U	4.00E-01	2.4E+04		5.7E+03	
SB-206	N	5	7	10/12/21	SVOC	1-Methylnaphthalene	90-12-0		U	2.00E-01	7.3E+02		1.8E+02	
SB-206	N	5	7	10/12/21	SVOC	2-Methylnaphthalene	91-57-6		U	2.00E-01	3.0E+03		2.4E+02	
SB-206	N	5	7	10/12/21	SVOC	2-Methylphenol	95-48-7		U	4.00E-01	4.1E+04		3.2E+03	
SB-206	N	5	7	10/12/21	SVOC	3&4-Methylphenol	65794-96-9		U	4.00E-01				
SB-206	N	5	7	10/12/21	SVOC	Naphthalene	91-20-3		U	3.30E-03	8.6E+01		2.0E+01	
SB-206	N	5	7	10/12/21	SVOC	2-Nitroaniline	88-74-4		U	4.00E-01	8.0E+03		6.3E+02	
SB-206	N	5	7	10/12/21	SVOC	3-Nitroaniline	99-09-2		U	4.00E-01	1.1E+03		2.5E+02	
SB-206	N	5	7	10/12/21	SVOC	4-Nitroaniline	100-01-6		U	4.00E-01	1.1E+03		2.5E+02	
SB-206	N	5	7	10/12/21	SVOC	2-Nitrophenol	88-75-5		U	4.00E-01				
SB-206	N	5	7	10/12/21	SVOC	4-Nitrophenol	100-02-7		U	7.70E-01				
SB-206	N	5	7	10/12/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	4.00E-01	3.4E-01		2.0E-02	
SB-206	N	5	7	10/12/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	4.00E-01	4.7E+03		1.1E+03	
SB-206	N	5	7	10/12/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	4.00E-01	3.3E+00		7.8E-01	
SB-206	N	5	7	10/12/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	4.00E-01	4.7E+04		3.1E+03	
SB-206	N	5	7	10/12/21	SVOC	Pentachloronitrobenzene	82-68-8		U	4.00E-01	1.3E+02		2.7E+01	
SB-206	N	5	7	10/12/21	SVOC	Pentachlorophenol	87-86-5		U	4.00E-01	4.0E+01		1.0E+01	
SB-206	N	5	7	10/12/21	SVOC	Phenanthrene	85-01-8		U	2.00E-01	2.3E+04		1.8E+03	
SB-206	N	5	7	10/12/21	SVOC	Phenol	108-95-2		U	4.00E-01	2.5E+05		1.9E+04	
SB-206	N	5	7	10/12/21	SVOC	Pyrene	129-00-0		U	2.00E-01	2.3E+04		1.8E+03	
SB-206	N	5	7	10/12/21	SVOC	Pyridine	110-86-1		U	4.00E-01	1.2E+03		7.8E+01	
SB-206	N	5	7	10/12/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	4.00E-01	3.5E+01		2.3E+00	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs	
SB-206	N	5	7	10/12/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	4.00E-01	8.2E+04		6.3E+03		
SB-206	N	5	7	10/12/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	4.00E-01	8.2E+02		6.3E+01		
SB-206	N	5	7	10/12/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	4.00E-01	7.4E+01		1.7E+01		
SB-206	N	5	7	10/12/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	4.00E-01	1.5E+01		3.6E+00		
SB-206	N	5	7	10/12/21	NITRO	Nitrobenzene	98-95-3		U	4.00E-01	2.2E+02		5.1E+01		
SB-206	N	5	7	10/12/21	INORG	Aluminum	7429-90-5	9.40E+03			1.90E+01	1.1E+06	8.5E-03	7.7E+04	1.2E-01
SB-206	N	5	7	10/12/21	INORG	Antimony	7440-36-0		U	1.90E+00	4.7E+02		3.1E+01		
SB-206	N	5	7	10/12/21	INORG	Arsenic	7440-38-2	5.20E+00		3.90E+00	3.0E+01	1.7E-01	6.8E+00	7.6E-01	
SB-206	N	5	7	10/12/21	INORG	Barium	7440-39-3	7.40E+01		1.90E+00	2.2E+05	3.4E-04	1.5E+04	4.9E-03	
SB-206	N	5	7	10/12/21	INORG	Beryllium	7440-41-7	7.20E-01		1.90E-01	2.3E+03	3.1E-04	1.6E+02	4.5E-03	
SB-206	N	5	7	10/12/21	INORG	Cadmium	7440-43-9		U	3.90E-01	1.0E+02		7.1E+00		
SB-206	N	5	7	10/12/21	INORG	Chromium (total)	7440-47-3	1.40E+01		7.80E-01	1.8E+06	7.8E-06	1.2E+05	1.2E-04	
SB-206	N	5	7	10/12/21	INORG	Cobalt	7440-48-4	1.40E+01		1.90E+00	3.5E+02	4.0E-02	2.3E+01	6.1E-01	
SB-206	N	5	7	10/12/21	INORG	Copper	7440-50-8	1.60E+01		7.80E-01	4.7E+04	3.4E-04	3.1E+03	5.2E-03	
SB-206	N	5	7	10/12/21	INORG	Cyanide (total)	57-12-5		U	5.70E-01	1.5E+02		2.3E+01		
SB-206	N	5	7	10/12/21	INORG	Iron	7439-89-6	1.80E+04		1.90E+01	8.2E+05	2.2E-02	5.5E+04	3.3E-01	
SB-206	N	5	7	10/12/21	INORG	Lead	7439-92-1	2.00E+01		5.80E-01	8.0E+02	2.5E-02	2.0E+02	1.0E-01	
SB-206	N	5	7	10/12/21	INORG	Manganese	7439-96-5	1.20E+02		3.90E-01	2.6E+04	4.6E-03	1.8E+03	6.7E-02	
SB-206	N	5	7	10/12/21	INORG	Mercury	7439-97-6	4.90E-02		3.00E-02	4.1E+01	1.2E-03	7.4E+00	6.6E-03	
SB-206	N	5	7	10/12/21	INORG	Nickel	7440-02-0	1.50E+01		7.80E-01	2.2E+04	6.8E-04	1.5E+03	1.0E-02	
SB-206	N	5	7	10/12/21	INORG	Selenium	7782-49-2		U	3.90E+00	5.8E+03		3.9E+02		
SB-206	N	5	7	10/12/21	INORG	Silver	7440-22-4		U	3.90E-01	5.8E+03		3.9E+02		
SB-206	N	5	7	10/12/21	INORG	Thallium	7440-28-0		U	1.90E+00	1.2E+01		7.8E-01		
SB-206	N	5	7	10/12/21	INORG	Vanadium	7440-62-2	2.40E+01		7.80E-01	5.8E+03	4.1E-03	3.9E+02	6.2E-02	
SB-206	N	5	7	10/12/21	INORG	Zinc	7440-66-6	4.40E+01		7.80E-01	3.5E+05	1.3E-04	2.3E+04	1.9E-03	
SB-206	N	15	17	10/12/21	VOC	Acetone	67-64-1		U	9.90E-02	1.1E+06		7.0E+04		
SB-206	N	15	17	10/12/21	VOC	Acrylonitrile	107-13-1		U	5.90E-03	1.1E+01		2.5E+00		
SB-206	N	15	17	10/12/21	VOC	Benzene	71-43-2		U	2.00E-03	5.1E+01		1.2E+01		
SB-206	N	15	17	10/12/21	VOC	Bromobenzene	108-86-1		U	2.00E-03	1.8E+03		2.9E+02		
SB-206	N	15	17	10/12/21	VOC	Bromochloromethane	74-97-5		U	2.00E-03	6.3E+02		1.5E+02		
SB-206	N	15	17	10/12/21	VOC	Bromodichloromethane	75-27-4		U	2.00E-03	1.3E+01		2.9E+00		
SB-206	N	15	17	10/12/21	VOC	Bromoform	75-25-2		U	2.00E-03	8.6E+02		1.9E+02		
SB-206	N	15	17	10/12/21	VOC	Bromomethane	74-83-9		U	9.90E-03	3.0E+01		6.8E+00		
SB-206	N	15	17	10/12/21	VOC	2-Butanone	78-93-3	4.40E-02		3.90E-02	1.9E+05	2.3E-07	2.7E+04	1.6E-06	
SB-206	N	15	17	10/12/21	VOC	n-Butylbenzene	104-51-8		U	2.00E-03	5.8E+04		3.9E+03		
SB-206	N	15	17	10/12/21	VOC	sec-Butylbenzene	135-98-8		U	2.00E-03	1.2E+05		7.8E+03		
SB-206	N	15	17	10/12/21	VOC	tert-Butylbenzene	98-06-6		U	2.00E-03	1.2E+05		7.8E+03		
SB-206	N	15	17	10/12/21	VOC	Carbon Disulfide	75-15-0		U	9.90E-03	3.5E+03		7.7E+02		
SB-206	N	15	17	10/12/21	VOC	Carbon Tetrachloride	56-23-5		U	2.00E-03	2.9E+01		6.5E+00		
SB-206	N	15	17	10/12/21	VOC	Chlorobenzene	108-90-7		U	2.00E-03	1.3E+03		2.8E+02		
SB-206	N	15	17	10/12/21	VOC	Chloroethane	75-00-3		U	2.00E-02	2.3E+04		5.4E+03		
SB-206	N	15	17	10/12/21	VOC	Chloroform	67-66-3		U	3.90E-03	1.4E+01		3.2E+00		
SB-206	N	15	17	10/12/21	VOC	Chloromethane	74-87-3		U	9.90E-03	4.6E+02		1.1E+02		
SB-206	N	15	17	10/12/21	VOC	2-Chlorotoluene	95-49-8		U	2.00E-03	2.3E+04		1.6E+03		



**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-206	N	15	17	10/12/21	VOC	4-Chlorotoluene	106-43-4		U	2.00E-03	2.3E+04		1.6E+03	
SB-206	N	15	17	10/12/21	VOC	Cumene	98-82-8		U	2.00E-03	9.9E+03		1.9E+03	
SB-206	N	15	17	10/12/21	VOC	p-Cymene	99-87-6		U	2.00E-03				
SB-206	N	15	17	10/12/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8		U	2.00E-03	6.4E-01		5.3E-02	
SB-206	N	15	17	10/12/21	VOC	Dibromochloromethane	124-48-1		U	9.90E-04	3.9E+02		8.3E+01	
SB-206	N	15	17	10/12/21	VOC	1,2-Dibromoethane	106-93-4		U	9.90E-04	1.6E+00		3.6E-01	
SB-206	N	15	17	10/12/21	VOC	Dibromomethane	74-95-3		U	2.00E-03	9.9E+01		2.4E+01	
SB-206	N	15	17	10/12/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6		U	3.90E-03	3.2E-01		7.4E-02	
SB-206	N	15	17	10/12/21	VOC	1,2-Dichlorobenzene	95-50-1		U	2.00E-03	9.3E+03		1.8E+03	
SB-206	N	15	17	10/12/21	VOC	1,3-Dichlorobenzene	541-73-1		U	2.00E-03	1.1E+02		2.6E+01	
SB-206	N	15	17	10/12/21	VOC	1,4-Dichlorobenzene	106-46-7		U	2.00E-03	1.1E+02		2.6E+01	
SB-206	N	15	17	10/12/21	VOC	Dichlorodifluoromethane	75-71-8		U	2.00E-02	3.7E+02		8.7E+01	
SB-206	N	15	17	10/12/21	VOC	1,1-Dichloroethane	75-34-3		U	2.00E-03	1.6E+02		3.6E+01	
SB-206	N	15	17	10/12/21	VOC	1,2-Dichloroethane	107-06-2		U	2.00E-03	2.0E+01		4.6E+00	
SB-206	N	15	17	10/12/21	VOC	1,1-Dichloroethene	75-35-4		U	3.90E-03	1.0E+03		2.3E+02	
SB-206	N	15	17	10/12/21	VOC	cis-1,2-Dichloroethene	156-59-2		U	2.00E-03	3.7E+02		6.3E+01	
SB-206	N	15	17	10/12/21	VOC	trans-1,2-Dichloroethene	156-60-5		U	2.00E-03	3.0E+02		7.0E+01	
SB-206	N	15	17	10/12/21	VOC	1,2-Dichloropropane	78-87-5		U	2.00E-03	6.6E+01		1.6E+01	
SB-206	N	15	17	10/12/21	VOC	1,3-Dichloropropane	142-28-9		U	9.90E-04	2.3E+04		1.6E+03	
SB-206	N	15	17	10/12/21	VOC	2,2-Dichloropropane	594-20-7		U	2.00E-03				
SB-206	N	15	17	10/12/21	VOC	1,1-Dichloropropene	563-58-6		U	2.00E-03				
SB-206	N	15	17	10/12/21	VOC	1,3-Dichloropropene (total)	542-75-6		U	9.90E-04	8.2E+01		1.8E+01	
SB-206	N	15	17	10/12/21	VOC	1,4-Dioxane	123-91-1		U	9.90E-02	2.4E+02		5.3E+01	
SB-206	N	15	17	10/12/21	VOC	Ethyl tert-butyl ether	637-92-3		U	9.90E-04	5.6E+03		1.3E+03	
SB-206	N	15	17	10/12/21	VOC	Ethyl Benzene	100-41-4		U	2.00E-03	2.5E+02		5.8E+01	
SB-206	N	15	17	10/12/21	VOC	Diethyl ether	60-29-7		U	2.00E-02	2.3E+05		1.6E+04	
SB-206	N	15	17	10/12/21	VOC	2-Hexanone	591-78-6		U	2.00E-02	1.3E+03		2.0E+02	
SB-206	N	15	17	10/12/21	VOC	Methyl Acetate	79-20-9		U	2.00E-03	1.2E+06		7.8E+04	
SB-206	N	15	17	10/12/21	VOC	Methyl tert-butyl ether	1634-04-4		U	3.90E-03	2.1E+03		4.7E+02	
SB-206	N	15	17	10/12/21	VOC	4-Methyl-2-pentanone	108-10-1		U	2.00E-02	1.4E+05		3.3E+04	
SB-206	N	15	17	10/12/21	VOC	Methylcyclohexane	108-87-2		U	2.00E-03	2.7E+04		6.5E+03	
SB-206	N	15	17	10/12/21	VOC	Methylene Chloride	75-09-2		U	2.00E-02	3.2E+03		3.5E+02	
SB-206	N	15	17	10/12/21	VOC	Diisopropyl ether	108-20-3		U	9.90E-04	9.4E+03		2.2E+03	
SB-206	N	15	17	10/12/21	VOC	n-Propylbenzene	103-65-1		U	2.00E-03	2.4E+04		3.8E+03	
SB-206	N	15	17	10/12/21	VOC	Styrene	100-42-5		U	2.00E-03	3.5E+04		6.0E+03	
SB-206	N	15	17	10/12/21	VOC	tert-Butyl alcohol	75-65-0		U	9.90E-02	6.5E+04		1.4E+04	
SB-206	N	15	17	10/12/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6		U	2.00E-03	8.8E+01		2.0E+01	
SB-206	N	15	17	10/12/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5		U	9.90E-04	2.7E+01		6.0E+00	
SB-206	N	15	17	10/12/21	VOC	Tetrachloroethene	127-18-4		U	2.00E-03	3.9E+02		8.1E+01	
SB-206	N	15	17	10/12/21	VOC	Tetrahydrofuran	109-99-9		U	9.90E-03	9.5E+04		1.8E+04	
SB-206	N	15	17	10/12/21	VOC	Toluene	108-88-3		U	2.00E-03	4.7E+04		4.9E+03	
SB-206	N	15	17	10/12/21	VOC	1,2,3-Trichlorobenzene	87-61-6		U	2.00E-03	9.3E+02		6.3E+01	
SB-206	N	15	17	10/12/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	2.00E-03	2.6E+02		5.8E+01	
SB-206	N	15	17	10/12/21	VOC	1,3,5-Trichlorobenzene	108-70-3		U	2.00E-03				

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-206	N	15	17	10/12/21	VOC	1,1,1-Trichloroethane	71-55-6		U	2.00E-03	3.6E+04		8.1E+03	
SB-206	N	15	17	10/12/21	VOC	1,1,2-Trichloroethane	79-00-5		U	2.00E-03	6.3E+00		1.5E+00	
SB-206	N	15	17	10/12/21	VOC	Trichloroethene	79-01-6		U	2.00E-03	1.9E+01		4.1E+00	
SB-206	N	15	17	10/12/21	VOC	Trichlorofluoromethane	75-69-4		U	9.90E-03	3.5E+05		2.3E+04	
SB-206	N	15	17	10/12/21	VOC	1,2,3-Trichloropropane	96-18-4		U	2.00E-03	1.1E+00		5.1E-02	
SB-206	N	15	17	10/12/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		U	9.90E-03	2.8E+04		6.7E+03	
SB-206	N	15	17	10/12/21	VOC	1,2,4-Trimethylbenzene	95-63-6		U	2.00E-03	1.8E+03		3.0E+02	
SB-206	N	15	17	10/12/21	VOC	1,3,5-Trimethylbenzene	108-67-8		U	2.00E-03	1.5E+03		2.7E+02	
SB-206	N	15	17	10/12/21	VOC	Vinyl Chloride	75-01-4		U	9.90E-03	1.7E+01		5.9E-01	
SB-206	N	15	17	10/12/21	VOC	Xylenes (total)	1330-20-7		U	3.90E-03	2.5E+03		5.8E+02	
SB-206	N	15	17	10/12/21	SVOC	Acenaphthene	83-32-9		U	2.20E-01	4.5E+04		3.6E+03	
SB-206	N	15	17	10/12/21	SVOC	Acenaphthylene	208-96-8		U	2.20E-01	2.3E+04		1.8E+03	
SB-206	N	15	17	10/12/21	SVOC	Acetophenone	98-86-2		U	4.40E-01	1.2E+05		7.8E+03	
SB-206	N	15	17	10/12/21	SVOC	t-Amyl methyl ether	994-05-8		U	9.90E-04				
SB-206	N	15	17	10/12/21	SVOC	Aniline	62-53-3		U	4.40E-01	4.0E+03		4.4E+02	
SB-206	N	15	17	10/12/21	SVOC	Anthracene	120-12-7		U	2.20E-01	2.3E+05		1.8E+04	
SB-206	N	15	17	10/12/21	SVOC	Benzidine	92-87-5		U	8.60E-01	1.0E-01		5.3E-03	
SB-206	N	15	17	10/12/21	SVOC	Benzo(a)anthracene	56-55-3		U	2.20E-01	2.1E+02		1.1E+01	
SB-206	N	15	17	10/12/21	SVOC	Benzo(a)pyrene	50-32-8		U	2.20E-01	2.1E+01		1.1E+00	
SB-206	N	15	17	10/12/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	2.20E-01	2.1E+02		1.1E+01	
SB-206	N	15	17	10/12/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	2.20E-01	2.3E+04		1.8E+03	
SB-206	N	15	17	10/12/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	2.20E-01	2.1E+03		1.1E+02	
SB-206	N	15	17	10/12/21	SVOC	Benzoic Acid	65-85-0		U	1.30E+00	3.3E+06		2.5E+05	
SB-206	N	15	17	10/12/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	4.40E-01	2.5E+03		1.9E+02	
SB-206	N	15	17	10/12/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	4.40E-01	1.0E+01		2.3E+00	
SB-206	N	15	17	10/12/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	4.40E-01	1.6E+03		3.9E+02	
SB-206	N	15	17	10/12/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	4.40E-01				
SB-206	N	15	17	10/12/21	SVOC	Butylbenzylphthalate	85-68-7		U	4.40E-01	1.2E+04		2.9E+03	
SB-206	N	15	17	10/12/21	SVOC	Carbazole	86-74-8		U	2.20E-01	3.0E+04		2.4E+03	
SB-206	N	15	17	10/12/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	8.60E-01	8.2E+04		6.3E+03	
SB-206	N	15	17	10/12/21	SVOC	4-Chloroaniline	106-47-8		U	8.60E-01	1.1E+02		2.7E+01	
SB-206	N	15	17	10/12/21	SVOC	2-Chloronaphthalene	91-58-7		U	4.40E-01	6.0E+04		4.8E+03	
SB-206	N	15	17	10/12/21	SVOC	2-Chlorophenol	95-57-8		U	4.40E-01	5.8E+03		3.9E+02	
SB-206	N	15	17	10/12/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	4.40E-01				
SB-206	N	15	17	10/12/21	SVOC	Chrysene	218-01-9		U	2.20E-01	2.1E+04		1.1E+03	
SB-206	N	15	17	10/12/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	2.20E-01	2.1E+01		1.1E+00	
SB-206	N	15	17	10/12/21	SVOC	Dibenzofuran	132-64-9		U	4.40E-01	1.2E+03		7.8E+01	
SB-206	N	15	17	10/12/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	2.20E-01	5.1E+01		1.2E+01	
SB-206	N	15	17	10/12/21	SVOC	2,4-Dichlorophenol	120-83-2		U	4.40E-01	2.5E+03		1.9E+02	
SB-206	N	15	17	10/12/21	SVOC	Diethylphthalate	84-66-2		U	4.40E-01	6.6E+05		5.1E+04	
SB-206	N	15	17	10/12/21	SVOC	2,4-Dimethylphenol	105-67-9		U	4.40E-01	1.6E+04		1.3E+03	
SB-206	N	15	17	10/12/21	SVOC	Dimethylphthalate	131-11-3		U	4.40E-01	6.6E+05		5.1E+04	
SB-206	N	15	17	10/12/21	SVOC	Di-n-butylphthalate	84-74-2		U	4.40E-01	8.2E+04		6.3E+03	
SB-206	N	15	17	10/12/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	4.40E-01	6.6E+01		5.1E+00	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-206	N	15	17	10/12/21	SVOC	2,4-Dinitrophenol	51-28-5		U	8.60E-01	1.6E+03		1.3E+02	
SB-206	N	15	17	10/12/21	SVOC	Di-n-octylphthalate	117-84-0		U	4.40E-01	8.2E+03		6.3E+02	
SB-206	N	15	17	10/12/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	4.40E-01	2.9E+01		6.8E+00	
SB-206	N	15	17	10/12/21	SVOC	Fluoranthene	206-44-0		U	2.20E-01	3.0E+04		2.4E+03	
SB-206	N	15	17	10/12/21	SVOC	Fluorene	86-73-7		U	2.20E-01	3.0E+04		2.4E+03	
SB-206	N	15	17	10/12/21	SVOC	Hexachlorobenzene	118-74-1		U	4.40E-01	9.6E+00		7.8E-01	
SB-206	N	15	17	10/12/21	SVOC	Hexachlorobutadiene	87-68-3		U	2.00E-03	5.3E+01		1.2E+01	
SB-206	N	15	17	10/12/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	4.40E-01	7.5E+00		1.8E+00	
SB-206	N	15	17	10/12/21	SVOC	Hexachloroethane	67-72-1		U	4.40E-01	8.0E+01		1.8E+01	
SB-206	N	15	17	10/12/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	2.20E-01	2.1E+02		1.1E+01	
SB-206	N	15	17	10/12/21	SVOC	Isophorone	78-59-1		U	4.40E-01	2.4E+04		5.7E+03	
SB-206	N	15	17	10/12/21	SVOC	1-Methylnaphthalene	90-12-0		U	2.20E-01	7.3E+02		1.8E+02	
SB-206	N	15	17	10/12/21	SVOC	2-Methylnaphthalene	91-57-6	7.10E-02	J	2.20E-01	3.0E+03	2.4E-05	2.4E+02	3.0E-04
SB-206	N	15	17	10/12/21	SVOC	2-Methylphenol	95-48-7		U	4.40E-01	4.1E+04		3.2E+03	
SB-206	N	15	17	10/12/21	SVOC	3&4-Methylphenol	65794-96-9		U	4.40E-01				
SB-206	N	15	17	10/12/21	SVOC	Naphthalene	91-20-3		U	3.90E-03	8.6E+01		2.0E+01	
SB-206	N	15	17	10/12/21	SVOC	2-Nitroaniline	88-74-4		U	4.40E-01	8.0E+03		6.3E+02	
SB-206	N	15	17	10/12/21	SVOC	3-Nitroaniline	99-09-2		U	4.40E-01	1.1E+03		2.5E+02	
SB-206	N	15	17	10/12/21	SVOC	4-Nitroaniline	100-01-6		U	4.40E-01	1.1E+03		2.5E+02	
SB-206	N	15	17	10/12/21	SVOC	2-Nitrophenol	88-75-5		U	4.40E-01				
SB-206	N	15	17	10/12/21	SVOC	4-Nitrophenol	100-02-7		U	8.60E-01				
SB-206	N	15	17	10/12/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	4.40E-01	3.4E-01		2.0E-02	
SB-206	N	15	17	10/12/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	4.40E-01	4.7E+03		1.1E+03	
SB-206	N	15	17	10/12/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	4.40E-01	3.3E+00		7.8E-01	
SB-206	N	15	17	10/12/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	4.40E-01	4.7E+04		3.1E+03	
SB-206	N	15	17	10/12/21	SVOC	Pentachloronitrobenzene	82-68-8		U	4.40E-01	1.3E+02		2.7E+01	
SB-206	N	15	17	10/12/21	SVOC	Pentachlorophenol	87-86-5		U	4.40E-01	4.0E+01		1.0E+01	
SB-206	N	15	17	10/12/21	SVOC	Phenanthrene	85-01-8		U	2.20E-01	2.3E+04		1.8E+03	
SB-206	N	15	17	10/12/21	SVOC	Phenol	108-95-2		U	4.40E-01	2.5E+05		1.9E+04	
SB-206	N	15	17	10/12/21	SVOC	Pyrene	129-00-0		U	2.20E-01	2.3E+04		1.8E+03	
SB-206	N	15	17	10/12/21	SVOC	Pyridine	110-86-1		U	4.40E-01	1.2E+03		7.8E+01	
SB-206	N	15	17	10/12/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	4.40E-01	3.5E+01		2.3E+00	
SB-206	N	15	17	10/12/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	4.40E-01	8.2E+04		6.3E+03	
SB-206	N	15	17	10/12/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	4.40E-01	8.2E+02		6.3E+01	
SB-206	N	15	17	10/12/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	4.40E-01	7.4E+01		1.7E+01	
SB-206	N	15	17	10/12/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	4.40E-01	1.5E+01		3.6E+00	
SB-206	N	15	17	10/12/21	NITRO	Nitrobenzene	98-95-3		U	4.40E-01	2.2E+02		5.1E+01	
SB-206	N	15	17	10/12/21	INORG	Aluminum	7429-90-5	7.60E+03		2.10E+01	1.1E+06	6.9E-03	7.7E+04	9.9E-02
SB-206	N	15	17	10/12/21	INORG	Antimony	7440-36-0		U	2.10E+00	4.7E+02		3.1E+01	
SB-206	N	15	17	10/12/21	INORG	Arsenic	7440-38-2	6.30E+00		4.20E+00	3.0E+01	2.1E-01	6.8E+00	9.3E-01
SB-206	N	15	17	10/12/21	INORG	Barium	7440-39-3	4.60E+01		2.10E+00	2.2E+05	2.1E-04	1.5E+04	3.1E-03
SB-206	N	15	17	10/12/21	INORG	Beryllium	7440-41-7	7.60E-01		2.10E-01	2.3E+03	3.3E-04	1.6E+02	4.8E-03
SB-206	N	15	17	10/12/21	INORG	Cadmium	7440-43-9		U	4.20E-01	1.0E+02		7.1E+00	
SB-206	N	15	17	10/12/21	INORG	Chromium (total)	7440-47-3	1.80E+01		8.30E-01	1.8E+06	1.0E-05	1.2E+05	1.5E-04

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-206	N	15	17	10/12/21	INORG	Cobalt	7440-48-4	7.50E+00		2.10E+00	3.5E+02	2.1E-02	2.3E+01	3.3E-01
SB-206	N	15	17	10/12/21	INORG	Copper	7440-50-8	1.20E+01		8.30E-01	4.7E+04	2.6E-04	3.1E+03	3.9E-03
SB-206	N	15	17	10/12/21	INORG	Cyanide (total)	57-12-5		U	6.60E-01	1.5E+02		2.3E+01	
SB-206	N	15	17	10/12/21	INORG	Iron	7439-89-6	2.00E+04		2.10E+01	8.2E+05	2.4E-02	5.5E+04	3.6E-01
SB-206	N	15	17	10/12/21	INORG	Lead	7439-92-1	1.20E+01		6.20E-01	8.0E+02	1.5E-02	2.0E+02	6.0E-02
SB-206	N	15	17	10/12/21	INORG	Manganese	7439-96-5	1.20E+02		4.20E-01	2.6E+04	4.6E-03	1.8E+03	6.7E-02
SB-206	N	15	17	10/12/21	INORG	Mercury	7439-97-6	4.20E-02		3.30E-02	4.1E+01	1.0E-03	7.4E+00	5.6E-03
SB-206	N	15	17	10/12/21	INORG	Nickel	7440-02-0	1.20E+01		8.30E-01	2.2E+04	5.5E-04	1.5E+03	8.0E-03
SB-206	N	15	17	10/12/21	INORG	Selenium	7782-49-2		U	4.20E+00	5.8E+03		3.9E+02	
SB-206	N	15	17	10/12/21	INORG	Silver	7440-22-4		U	4.20E-01	5.8E+03		3.9E+02	
SB-206	N	15	17	10/12/21	INORG	Thallium	7440-28-0		U	2.10E+00	1.2E+01		7.8E-01	
SB-206	N	15	17	10/12/21	INORG	Vanadium	7440-62-2	2.30E+01		8.30E-01	5.8E+03	4.0E-03	3.9E+02	5.9E-02
SB-206	N	15	17	10/12/21	INORG	Zinc	7440-66-6	3.50E+01		8.30E-01	3.5E+05	1.0E-04	2.3E+04	1.5E-03
SB-207	N		1	10/13/21	VOC	Acetone	67-64-1		U	9.80E-02	1.1E+06		7.0E+04	
SB-207	N		1	10/13/21	VOC	Acrylonitrile	107-13-1		U	5.90E-03	1.1E+01		2.5E+00	
SB-207	N		1	10/13/21	VOC	Benzene	71-43-2		U	2.00E-03	5.1E+01		1.2E+01	
SB-207	N		1	10/13/21	VOC	Bromobenzene	108-86-1		U	2.00E-03	1.8E+03		2.9E+02	
SB-207	N		1	10/13/21	VOC	Bromochloromethane	74-97-5		U	2.00E-03	6.3E+02		1.5E+02	
SB-207	N		1	10/13/21	VOC	Bromodichloromethane	75-27-4		U	2.00E-03	1.3E+01		2.9E+00	
SB-207	N		1	10/13/21	VOC	Bromoform	75-25-2		U	2.00E-03	8.6E+02		1.9E+02	
SB-207	N		1	10/13/21	VOC	Bromomethane	74-83-9		U	9.80E-03	3.0E+01		6.8E+00	
SB-207	N		1	10/13/21	VOC	2-Butanone	78-93-3		U	3.90E-02	1.9E+05		2.7E+04	
SB-207	N		1	10/13/21	VOC	n-Butylbenzene	104-51-8		U	2.00E-03	5.8E+04		3.9E+03	
SB-207	N		1	10/13/21	VOC	sec-Butylbenzene	135-98-8		U	2.00E-03	1.2E+05		7.8E+03	
SB-207	N		1	10/13/21	VOC	tert-Butylbenzene	98-06-6		U	3.90E-03	1.2E+05		7.8E+03	
SB-207	N		1	10/13/21	VOC	Carbon Disulfide	75-15-0		U	9.80E-03	3.5E+03		7.7E+02	
SB-207	N		1	10/13/21	VOC	Carbon Tetrachloride	56-23-5		U	2.00E-03	2.9E+01		6.5E+00	
SB-207	N		1	10/13/21	VOC	Chlorobenzene	108-90-7		U	2.00E-03	1.3E+03		2.8E+02	
SB-207	N		1	10/13/21	VOC	Chloroethane	75-00-3		U	2.00E-02	2.3E+04		5.4E+03	
SB-207	N		1	10/13/21	VOC	Chloroform	67-66-3		U	3.90E-03	1.4E+01		3.2E+00	
SB-207	N		1	10/13/21	VOC	Chloromethane	74-87-3		U	9.80E-03	4.6E+02		1.1E+02	
SB-207	N		1	10/13/21	VOC	2-Chlorotoluene	95-49-8		U	2.00E-03	2.3E+04		1.6E+03	
SB-207	N		1	10/13/21	VOC	4-Chlorotoluene	106-43-4		U	2.00E-03	2.3E+04		1.6E+03	
SB-207	N		1	10/13/21	VOC	Cumene	98-82-8		U	2.00E-03	9.9E+03		1.9E+03	
SB-207	N		1	10/13/21	VOC	p-Cymene	99-87-6		U	2.00E-03				
SB-207	N		1	10/13/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8		U	2.00E-03	6.4E-01		5.3E-02	
SB-207	N		1	10/13/21	VOC	Dibromochloromethane	124-48-1		U	9.80E-04	3.9E+02		8.3E+01	
SB-207	N		1	10/13/21	VOC	1,2-Dibromoethane	106-93-4		U	9.80E-04	1.6E+00		3.6E-01	
SB-207	N		1	10/13/21	VOC	Dibromomethane	74-95-3		U	2.00E-03	9.9E+01		2.4E+01	
SB-207	N		1	10/13/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6		U	3.90E-03	3.2E-01		7.4E-02	
SB-207	N		1	10/13/21	VOC	1,2-Dichlorobenzene	95-50-1		U	2.00E-03	9.3E+03		1.8E+03	
SB-207	N		1	10/13/21	VOC	1,3-Dichlorobenzene	541-73-1		U	2.00E-03	1.1E+02		2.6E+01	
SB-207	N		1	10/13/21	VOC	1,4-Dichlorobenzene	106-46-7		U	2.00E-03	1.1E+02		2.6E+01	
SB-207	N		1	10/13/21	VOC	Dichlorodifluoromethane	75-71-8		U	2.00E-02	3.7E+02		8.7E+01	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-207	N		1	10/13/21	VOC	1,1-Dichloroethane	75-34-3		U	2.00E-03	1.6E+02		3.6E+01	
SB-207	N		1	10/13/21	VOC	1,2-Dichloroethane	107-06-2		U	2.00E-03	2.0E+01		4.6E+00	
SB-207	N		1	10/13/21	VOC	1,1-Dichloroethene	75-35-4		U	3.90E-03	1.0E+03		2.3E+02	
SB-207	N		1	10/13/21	VOC	cis-1,2-Dichloroethene	156-59-2		U	2.00E-03	3.7E+02		6.3E+01	
SB-207	N		1	10/13/21	VOC	trans-1,2-Dichloroethene	156-60-5		U	2.00E-03	3.0E+02		7.0E+01	
SB-207	N		1	10/13/21	VOC	1,2-Dichloropropane	78-87-5		U	2.00E-03	6.6E+01		1.6E+01	
SB-207	N		1	10/13/21	VOC	1,3-Dichloropropane	142-28-9		U	9.80E-04	2.3E+04		1.6E+03	
SB-207	N		1	10/13/21	VOC	2,2-Dichloropropane	594-20-7		U	2.00E-03				
SB-207	N		1	10/13/21	VOC	1,1-Dichloropropene	563-58-6		U	2.00E-03				
SB-207	N		1	10/13/21	VOC	1,3-Dichloropropene (total)	542-75-6		U	9.80E-04	8.2E+01		1.8E+01	
SB-207	N		1	10/13/21	VOC	1,4-Dioxane	123-91-1		U	9.80E-02	2.4E+02		5.3E+01	
SB-207	N		1	10/13/21	VOC	Ethyl tert-butyl ether	637-92-3		U	9.80E-04	5.6E+03		1.3E+03	
SB-207	N		1	10/13/21	VOC	Ethyl Benzene	100-41-4		U	2.00E-03	2.5E+02		5.8E+01	
SB-207	N		1	10/13/21	VOC	Diethyl ether	60-29-7		U	2.00E-02	2.3E+05		1.6E+04	
SB-207	N		1	10/13/21	VOC	2-Hexanone	591-78-6		U	2.00E-02	1.3E+03		2.0E+02	
SB-207	N		1	10/13/21	VOC	Methyl Acetate	79-20-9		U	2.00E-03	1.2E+06		7.8E+04	
SB-207	N		1	10/13/21	VOC	Methyl tert-butyl ether	1634-04-4		U	3.90E-03	2.1E+03		4.7E+02	
SB-207	N		1	10/13/21	VOC	4-Methyl-2-pentanone	108-10-1		U	2.00E-02	1.4E+05		3.3E+04	
SB-207	N		1	10/13/21	VOC	Methylcyclohexane	108-87-2		U	2.00E-03	2.7E+04		6.5E+03	
SB-207	N		1	10/13/21	VOC	Methylene Chloride	75-09-2		U	2.00E-02	3.2E+03		3.5E+02	
SB-207	N		1	10/13/21	VOC	Diisopropyl ether	108-20-3		U	9.80E-04	9.4E+03		2.2E+03	
SB-207	N		1	10/13/21	VOC	n-Propylbenzene	103-65-1		U	2.00E-03	2.4E+04		3.8E+03	
SB-207	N		1	10/13/21	VOC	Styrene	100-42-5		U	2.00E-03	3.5E+04		6.0E+03	
SB-207	N		1	10/13/21	VOC	tert-Butyl alcohol	75-65-0		U	9.80E-02	6.5E+04		1.4E+04	
SB-207	N		1	10/13/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6		U	2.00E-03	8.8E+01		2.0E+01	
SB-207	N		1	10/13/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5		U	9.80E-04	2.7E+01		6.0E+00	
SB-207	N		1	10/13/21	VOC	Tetrachloroethene	127-18-4		U	2.00E-03	3.9E+02		8.1E+01	
SB-207	N		1	10/13/21	VOC	Tetrahydrofuran	109-99-9		U	9.80E-03	9.5E+04		1.8E+04	
SB-207	N		1	10/13/21	VOC	Toluene	108-88-3		U	2.00E-03	4.7E+04		4.9E+03	
SB-207	N		1	10/13/21	VOC	1,2,3-Trichlorobenzene	87-61-6		U	2.00E-03	9.3E+02		6.3E+01	
SB-207	N		1	10/13/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	2.00E-03	2.6E+02		5.8E+01	
SB-207	N		1	10/13/21	VOC	1,3,5-Trichlorobenzene	108-70-3		U	2.00E-03				
SB-207	N		1	10/13/21	VOC	1,1,1-Trichloroethane	71-55-6		U	2.00E-03	3.6E+04		8.1E+03	
SB-207	N		1	10/13/21	VOC	1,1,2-Trichloroethane	79-00-5		U	2.00E-03	6.3E+00		1.5E+00	
SB-207	N		1	10/13/21	VOC	Trichloroethene	79-01-6		U	2.00E-03	1.9E+01		4.1E+00	
SB-207	N		1	10/13/21	VOC	Trichlorofluoromethane	75-69-4		U	9.80E-03	3.5E+05		2.3E+04	
SB-207	N		1	10/13/21	VOC	1,2,3-Trichloropropane	96-18-4		U	2.00E-03	1.1E+00		5.1E-02	
SB-207	N		1	10/13/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		U	9.80E-03	2.8E+04		6.7E+03	
SB-207	N		1	10/13/21	VOC	1,2,4-Trimethylbenzene	95-63-6		U	2.00E-03	1.8E+03		3.0E+02	
SB-207	N		1	10/13/21	VOC	1,3,5-Trimethylbenzene	108-67-8		U	2.00E-03	1.5E+03		2.7E+02	
SB-207	N		1	10/13/21	VOC	Vinyl Chloride	75-01-4		U	9.80E-03	1.7E+01		5.9E-01	
SB-207	N		1	10/13/21	VOC	Xylenes (total)	1330-20-7		U	3.90E-03	2.5E+03		5.8E+02	
SB-207	N		1	10/13/21	SVOC	Acenaphthene	83-32-9		U	2.10E-01	4.5E+04		3.6E+03	
SB-207	N		1	10/13/21	SVOC	Acenaphthylene	208-96-8		U	2.10E-01	2.3E+04		1.8E+03	



**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-207	N		1	10/13/21	SVOC	Acetophenone	98-86-2		U	4.20E-01	1.2E+05		7.8E+03	
SB-207	N		1	10/13/21	SVOC	t-Amyl methyl ether	994-05-8		U	9.80E-04				
SB-207	N		1	10/13/21	SVOC	Aniline	62-53-3		U	4.20E-01	4.0E+03		4.4E+02	
SB-207	N		1	10/13/21	SVOC	Anthracene	120-12-7		U	2.10E-01	2.3E+05		1.8E+04	
SB-207	N		1	10/13/21	SVOC	Benzidine	92-87-5		U	8.20E-01	1.0E-01		5.3E-03	
SB-207	N		1	10/13/21	SVOC	Benzo(a)anthracene	56-55-3	1.10E-01	J	2.10E-01	2.1E+02	5.2E-04	1.1E+01	1.0E-02
SB-207	N		1	10/13/21	SVOC	Benzo(a)pyrene	50-32-8	8.30E-02	J	2.10E-01	2.1E+01	4.0E-03	1.1E+00	7.5E-02
SB-207	N		1	10/13/21	SVOC	Benzo(b)fluoranthene	205-99-2	1.10E-01	J	2.10E-01	2.1E+02	5.2E-04	1.1E+01	1.0E-02
SB-207	N		1	10/13/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	2.10E-01	2.3E+04		1.8E+03	
SB-207	N		1	10/13/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	2.10E-01	2.1E+03		1.1E+02	
SB-207	N		1	10/13/21	SVOC	Benzoic Acid	65-85-0		U	1.20E+00	3.3E+06		2.5E+05	
SB-207	N		1	10/13/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	4.20E-01	2.5E+03		1.9E+02	
SB-207	N		1	10/13/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	4.20E-01	1.0E+01		2.3E+00	
SB-207	N		1	10/13/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	4.20E-01	1.6E+03		3.9E+02	
SB-207	N		1	10/13/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	4.20E-01				
SB-207	N		1	10/13/21	SVOC	Butylbenzylphthalate	85-68-7		U	4.20E-01	1.2E+04		2.9E+03	
SB-207	N		1	10/13/21	SVOC	Carbazole	86-74-8		U	2.10E-01	3.0E+04		2.4E+03	
SB-207	N		1	10/13/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	8.20E-01	8.2E+04		6.3E+03	
SB-207	N		1	10/13/21	SVOC	4-Chloroaniline	106-47-8		U	8.20E-01	1.1E+02		2.7E+01	
SB-207	N		1	10/13/21	SVOC	2-Chloronaphthalene	91-58-7		U	4.20E-01	6.0E+04		4.8E+03	
SB-207	N		1	10/13/21	SVOC	2-Chlorophenol	95-57-8		U	4.20E-01	5.8E+03		3.9E+02	
SB-207	N		1	10/13/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	4.20E-01				
SB-207	N		1	10/13/21	SVOC	Chrysene	218-01-9	1.20E-01	J	2.10E-01	2.1E+04	5.7E-06	1.1E+03	1.1E-04
SB-207	N		1	10/13/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	2.10E-01	2.1E+01		1.1E+00	
SB-207	N		1	10/13/21	SVOC	Dibenzofuran	132-64-9		U	4.20E-01	1.2E+03		7.8E+01	
SB-207	N		1	10/13/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	2.10E-01	5.1E+01		1.2E+01	
SB-207	N		1	10/13/21	SVOC	2,4-Dichlorophenol	120-83-2		U	4.20E-01	2.5E+03		1.9E+02	
SB-207	N		1	10/13/21	SVOC	Diethylphthalate	84-66-2		U	4.20E-01	6.6E+05		5.1E+04	
SB-207	N		1	10/13/21	SVOC	2,4-Dimethylphenol	105-67-9		U	4.20E-01	1.6E+04		1.3E+03	
SB-207	N		1	10/13/21	SVOC	Dimethylphthalate	131-11-3		U	4.20E-01	6.6E+05		5.1E+04	
SB-207	N		1	10/13/21	SVOC	Di-n-butylphthalate	84-74-2		U	4.20E-01	8.2E+04		6.3E+03	
SB-207	N		1	10/13/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	4.20E-01	6.6E+01		5.1E+00	
SB-207	N		1	10/13/21	SVOC	2,4-Dinitrophenol	51-28-5		U	8.20E-01	1.6E+03		1.3E+02	
SB-207	N		1	10/13/21	SVOC	Di-n-octylphthalate	117-84-0		U	4.20E-01	8.2E+03		6.3E+02	
SB-207	N		1	10/13/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	4.20E-01	2.9E+01		6.8E+00	
SB-207	N		1	10/13/21	SVOC	Fluoranthene	206-44-0	2.20E-01		2.10E-01	3.0E+04	7.3E-06	2.4E+03	9.2E-05
SB-207	N		1	10/13/21	SVOC	Fluorene	86-73-7		U	2.10E-01	3.0E+04		2.4E+03	
SB-207	N		1	10/13/21	SVOC	Hexachlorobenzene	118-74-1		U	4.20E-01	9.6E+00		7.8E-01	
SB-207	N		1	10/13/21	SVOC	Hexachlorobutadiene	87-68-3		U	2.00E-03	5.3E+01		1.2E+01	
SB-207	N		1	10/13/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	4.20E-01	7.5E+00		1.8E+00	
SB-207	N		1	10/13/21	SVOC	Hexachloroethane	67-72-1		U	4.20E-01	8.0E+01		1.8E+01	
SB-207	N		1	10/13/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	2.10E-01	2.1E+02		1.1E+01	
SB-207	N		1	10/13/21	SVOC	Isophorone	78-59-1		U	4.20E-01	2.4E+04		5.7E+03	
SB-207	N		1	10/13/21	SVOC	1-Methylnaphthalene	90-12-0	8.00E-02	J	2.10E-01	7.3E+02	1.1E-04	1.8E+02	4.4E-04

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-207	N		1	10/13/21	SVOC	2-Methylnaphthalene	91-57-6	1.30E-01	J	2.10E-01	3.0E+03	4.3E-05	2.4E+02	5.4E-04
SB-207	N		1	10/13/21	SVOC	2-Methylphenol	95-48-7		U	4.20E-01	4.1E+04		3.2E+03	
SB-207	N		1	10/13/21	SVOC	3&4-Methylphenol	65794-96-9		U	4.20E-01				
SB-207	N		1	10/13/21	SVOC	Naphthalene	91-20-3	7.70E-02	J	2.10E-01	8.6E+01	9.0E-04	2.0E+01	3.9E-03
SB-207	N		1	10/13/21	SVOC	2-Nitroaniline	88-74-4		U	4.20E-01	8.0E+03		6.3E+02	
SB-207	N		1	10/13/21	SVOC	3-Nitroaniline	99-09-2		U	4.20E-01	1.1E+03		2.5E+02	
SB-207	N		1	10/13/21	SVOC	4-Nitroaniline	100-01-6		U	4.20E-01	1.1E+03		2.5E+02	
SB-207	N		1	10/13/21	SVOC	2-Nitrophenol	88-75-5		U	4.20E-01				
SB-207	N		1	10/13/21	SVOC	4-Nitrophenol	100-02-7		U	8.20E-01				
SB-207	N		1	10/13/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	4.20E-01	3.4E-01		2.0E-02	
SB-207	N		1	10/13/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	4.20E-01	4.7E+03		1.1E+03	
SB-207	N		1	10/13/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	4.20E-01	3.3E+00		7.8E-01	
SB-207	N		1	10/13/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	4.20E-01	4.7E+04		3.1E+03	
SB-207	N		1	10/13/21	SVOC	Pentachloronitrobenzene	82-68-8		U	4.20E-01	1.3E+02		2.7E+01	
SB-207	N		1	10/13/21	SVOC	Pentachlorophenol	87-86-5		U	4.20E-01	4.0E+01		1.0E+01	
SB-207	N		1	10/13/21	SVOC	Phenanthrene	85-01-8	2.50E-01		2.10E-01	2.3E+04	1.1E-05	1.8E+03	1.4E-04
SB-207	N		1	10/13/21	SVOC	Phenol	108-95-2		U	4.20E-01	2.5E+05		1.9E+04	
SB-207	N		1	10/13/21	SVOC	Pyrene	129-00-0	1.90E-01	J	2.10E-01	2.3E+04	8.3E-06	1.8E+03	1.1E-04
SB-207	N		1	10/13/21	SVOC	Pyridine	110-86-1		U	4.20E-01	1.2E+03		7.8E+01	
SB-207	N		1	10/13/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	4.20E-01	3.5E+01		2.3E+00	
SB-207	N		1	10/13/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	4.20E-01	8.2E+04		6.3E+03	
SB-207	N		1	10/13/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	4.20E-01	8.2E+02		6.3E+01	
SB-207	N		1	10/13/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	4.20E-01	7.4E+01		1.7E+01	
SB-207	N		1	10/13/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	4.20E-01	1.5E+01		3.6E+00	
SB-207	N		1	10/13/21	NITRO	Nitrobenzene	98-95-3		U	4.20E-01	2.2E+02		5.1E+01	
SB-207	N		1	10/13/21	INORG	Aluminum	7429-90-5	1.10E+04		2.00E+01	1.1E+06	1.0E-02	7.7E+04	1.4E-01
SB-207	N		1	10/13/21	INORG	Antimony	7440-36-0		U	2.00E+00	4.7E+02		3.1E+01	
SB-207	N		1	10/13/21	INORG	Arsenic	7440-38-2	5.00E+00		4.00E+00	3.0E+01	1.7E-01	6.8E+00	7.4E-01
SB-207	N		1	10/13/21	INORG	Barium	7440-39-3	7.90E+01		2.00E+00	2.2E+05	3.6E-04	1.5E+04	5.3E-03
SB-207	N		1	10/13/21	INORG	Beryllium	7440-41-7	8.50E-01		2.00E-01	2.3E+03	3.7E-04	1.6E+02	5.3E-03
SB-207	N		1	10/13/21	INORG	Cadmium	7440-43-9		U	4.00E-01	1.0E+02		7.1E+00	
SB-207	N		1	10/13/21	INORG	Chromium (total)	7440-47-3	1.90E+01		8.00E-01	1.8E+06	1.1E-05	1.2E+05	1.6E-04
SB-207	N		1	10/13/21	INORG	Cobalt	7440-48-4	1.40E+01		2.00E+00	3.5E+02	4.0E-02	2.3E+01	6.1E-01
SB-207	N		1	10/13/21	INORG	Copper	7440-50-8	2.00E+01		8.00E-01	4.7E+04	4.3E-04	3.1E+03	6.5E-03
SB-207	N		1	10/13/21	INORG	Cyanide (total)	57-12-5		U	6.00E-01	1.5E+02		2.3E+01	
SB-207	N		1	10/13/21	INORG	Lead	7439-92-1	2.30E+01		6.00E-01	8.0E+02	2.9E-02	2.0E+02	1.2E-01
SB-207	N		1	10/13/21	INORG	Manganese	7439-96-5	3.70E+02		4.00E-01	2.6E+04	1.4E-02	1.8E+03	2.1E-01
SB-207	N		1	10/13/21	INORG	Mercury	7439-97-6	5.30E-02		3.20E-02	4.1E+01	1.3E-03	7.4E+00	7.1E-03
SB-207	N		1	10/13/21	INORG	Nickel	7440-02-0	1.60E+01		8.00E-01	2.2E+04	7.3E-04	1.5E+03	1.1E-02
SB-207	N		1	10/13/21	INORG	Selenium	7782-49-2		U	4.00E+00	5.8E+03		3.9E+02	
SB-207	N		1	10/13/21	INORG	Silver	7440-22-4		U	4.00E-01	5.8E+03		3.9E+02	
SB-207	N		1	10/13/21	INORG	Thallium	7440-28-0		U	2.00E+00	1.2E+01		7.8E-01	
SB-207	N		1	10/13/21	INORG	Vanadium	7440-62-2	3.00E+01		8.00E-01	5.8E+03	5.2E-03	3.9E+02	7.7E-02
SB-207	N		1	10/13/21	INORG	Zinc	7440-66-6	5.40E+01		8.00E-01	3.5E+05	1.5E-04	2.3E+04	2.3E-03

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-207	FD	6	8	10/13/21	VOC	Acetone	67-64-1		U	1.10E-01	1.1E+06		7.0E+04	
SB-207	N	6	8	10/13/21	VOC	Acetone	67-64-1		U	8.70E-02	1.1E+06		7.0E+04	
SB-207	FD	6	8	10/13/21	VOC	Acrylonitrile	107-13-1		U	6.30E-03	1.1E+01		2.5E+00	
SB-207	N	6	8	10/13/21	VOC	Acrylonitrile	107-13-1		U	5.20E-03	1.1E+01		2.5E+00	
SB-207	FD	6	8	10/13/21	VOC	Benzene	71-43-2		U	2.10E-03	5.1E+01		1.2E+01	
SB-207	N	6	8	10/13/21	VOC	Benzene	71-43-2		U	1.70E-03	5.1E+01		1.2E+01	
SB-207	FD	6	8	10/13/21	VOC	Bromobenzene	108-86-1		U	2.10E-03	1.8E+03		2.9E+02	
SB-207	N	6	8	10/13/21	VOC	Bromobenzene	108-86-1		U	1.70E-03	1.8E+03		2.9E+02	
SB-207	FD	6	8	10/13/21	VOC	Bromochloromethane	74-97-5		U	2.10E-03	6.3E+02		1.5E+02	
SB-207	N	6	8	10/13/21	VOC	Bromochloromethane	74-97-5		U	1.70E-03	6.3E+02		1.5E+02	
SB-207	FD	6	8	10/13/21	VOC	Bromodichloromethane	75-27-4		U	2.10E-03	1.3E+01		2.9E+00	
SB-207	N	6	8	10/13/21	VOC	Bromodichloromethane	75-27-4		U	1.70E-03	1.3E+01		2.9E+00	
SB-207	FD	6	8	10/13/21	VOC	Bromoform	75-25-2		U	2.10E-03	8.6E+02		1.9E+02	
SB-207	N	6	8	10/13/21	VOC	Bromoform	75-25-2		U	1.70E-03	8.6E+02		1.9E+02	
SB-207	FD	6	8	10/13/21	VOC	Bromomethane	74-83-9		U	1.10E-02	3.0E+01		6.8E+00	
SB-207	N	6	8	10/13/21	VOC	Bromomethane	74-83-9		U	8.70E-03	3.0E+01		6.8E+00	
SB-207	FD	6	8	10/13/21	VOC	2-Butanone	78-93-3		U	4.20E-02	1.9E+05		2.7E+04	
SB-207	N	6	8	10/13/21	VOC	2-Butanone	78-93-3		U	3.50E-02	1.9E+05		2.7E+04	
SB-207	FD	6	8	10/13/21	VOC	n-Butylbenzene	104-51-8		U	2.10E-03	5.8E+04		3.9E+03	
SB-207	N	6	8	10/13/21	VOC	n-Butylbenzene	104-51-8		U	1.70E-03	5.8E+04		3.9E+03	
SB-207	FD	6	8	10/13/21	VOC	sec-Butylbenzene	135-98-8		U	2.10E-03	1.2E+05		7.8E+03	
SB-207	N	6	8	10/13/21	VOC	sec-Butylbenzene	135-98-8		U	1.70E-03	1.2E+05		7.8E+03	
SB-207	FD	6	8	10/13/21	VOC	tert-Butylbenzene	98-06-6		U	4.20E-03	1.2E+05		7.8E+03	
SB-207	N	6	8	10/13/21	VOC	tert-Butylbenzene	98-06-6		U	3.50E-03	1.2E+05		7.8E+03	
SB-207	FD	6	8	10/13/21	VOC	Carbon Disulfide	75-15-0		U	1.10E-02	3.5E+03		7.7E+02	
SB-207	N	6	8	10/13/21	VOC	Carbon Disulfide	75-15-0		U	8.70E-03	3.5E+03		7.7E+02	
SB-207	FD	6	8	10/13/21	VOC	Carbon Tetrachloride	56-23-5		U	2.10E-03	2.9E+01		6.5E+00	
SB-207	N	6	8	10/13/21	VOC	Carbon Tetrachloride	56-23-5		U	1.70E-03	2.9E+01		6.5E+00	
SB-207	FD	6	8	10/13/21	VOC	Chlorobenzene	108-90-7		U	2.10E-03	1.3E+03		2.8E+02	
SB-207	N	6	8	10/13/21	VOC	Chlorobenzene	108-90-7		U	1.70E-03	1.3E+03		2.8E+02	
SB-207	FD	6	8	10/13/21	VOC	Chloroethane	75-00-3		U	2.10E-02	2.3E+04		5.4E+03	
SB-207	N	6	8	10/13/21	VOC	Chloroethane	75-00-3		U	1.70E-02	2.3E+04		5.4E+03	
SB-207	FD	6	8	10/13/21	VOC	Chloroform	67-66-3		U	4.20E-03	1.4E+01		3.2E+00	
SB-207	N	6	8	10/13/21	VOC	Chloroform	67-66-3		U	3.50E-03	1.4E+01		3.2E+00	
SB-207	FD	6	8	10/13/21	VOC	Chloromethane	74-87-3		U	1.10E-02	4.6E+02		1.1E+02	
SB-207	N	6	8	10/13/21	VOC	Chloromethane	74-87-3		U	8.70E-03	4.6E+02		1.1E+02	
SB-207	FD	6	8	10/13/21	VOC	2-Chlorotoluene	95-49-8		U	2.10E-03	2.3E+04		1.6E+03	
SB-207	N	6	8	10/13/21	VOC	2-Chlorotoluene	95-49-8		U	1.70E-03	2.3E+04		1.6E+03	
SB-207	FD	6	8	10/13/21	VOC	4-Chlorotoluene	106-43-4		U	2.10E-03	2.3E+04		1.6E+03	
SB-207	N	6	8	10/13/21	VOC	4-Chlorotoluene	106-43-4		U	1.70E-03	2.3E+04		1.6E+03	
SB-207	FD	6	8	10/13/21	VOC	Cumene	98-82-8		U	2.10E-03	9.9E+03		1.9E+03	
SB-207	N	6	8	10/13/21	VOC	Cumene	98-82-8		U	1.70E-03	9.9E+03		1.9E+03	
SB-207	FD	6	8	10/13/21	VOC	p-Cymene	99-87-6		U	2.10E-03				
SB-207	N	6	8	10/13/21	VOC	p-Cymene	99-87-6		U	1.70E-03				

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-207	FD	6	8	10/13/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8		U	2.10E-03	6.4E-01		5.3E-02	
SB-207	N	6	8	10/13/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8		U	1.70E-03	6.4E-01		5.3E-02	
SB-207	FD	6	8	10/13/21	VOC	Dibromochloromethane	124-48-1		U	1.10E-03	3.9E+02		8.3E+01	
SB-207	N	6	8	10/13/21	VOC	Dibromochloromethane	124-48-1		U	8.70E-04	3.9E+02		8.3E+01	
SB-207	FD	6	8	10/13/21	VOC	1,2-Dibromoethane	106-93-4		U	1.10E-03	1.6E+00		3.6E-01	
SB-207	N	6	8	10/13/21	VOC	1,2-Dibromoethane	106-93-4		U	8.70E-04	1.6E+00		3.6E-01	
SB-207	FD	6	8	10/13/21	VOC	Dibromomethane	74-95-3		U	2.10E-03	9.9E+01		2.4E+01	
SB-207	N	6	8	10/13/21	VOC	Dibromomethane	74-95-3		U	1.70E-03	9.9E+01		2.4E+01	
SB-207	FD	6	8	10/13/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6		U	4.20E-03	3.2E-01		7.4E-02	
SB-207	N	6	8	10/13/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6		U	3.50E-03	3.2E-01		7.4E-02	
SB-207	FD	6	8	10/13/21	VOC	1,2-Dichlorobenzene	95-50-1		U	2.10E-03	9.3E+03		1.8E+03	
SB-207	N	6	8	10/13/21	VOC	1,2-Dichlorobenzene	95-50-1		U	1.70E-03	9.3E+03		1.8E+03	
SB-207	FD	6	8	10/13/21	VOC	1,3-Dichlorobenzene	541-73-1		U	2.10E-03	1.1E+02		2.6E+01	
SB-207	N	6	8	10/13/21	VOC	1,3-Dichlorobenzene	541-73-1		U	1.70E-03	1.1E+02		2.6E+01	
SB-207	FD	6	8	10/13/21	VOC	1,4-Dichlorobenzene	106-46-7		U	2.10E-03	1.1E+02		2.6E+01	
SB-207	N	6	8	10/13/21	VOC	1,4-Dichlorobenzene	106-46-7		U	1.70E-03	1.1E+02		2.6E+01	
SB-207	FD	6	8	10/13/21	VOC	Dichlorodifluoromethane	75-71-8		U	2.10E-02	3.7E+02		8.7E+01	
SB-207	N	6	8	10/13/21	VOC	Dichlorodifluoromethane	75-71-8		U	1.70E-02	3.7E+02		8.7E+01	
SB-207	FD	6	8	10/13/21	VOC	1,1-Dichloroethane	75-34-3		U	2.10E-03	1.6E+02		3.6E+01	
SB-207	N	6	8	10/13/21	VOC	1,1-Dichloroethane	75-34-3		U	1.70E-03	1.6E+02		3.6E+01	
SB-207	FD	6	8	10/13/21	VOC	1,2-Dichloroethane	107-06-2		U	2.10E-03	2.0E+01		4.6E+00	
SB-207	N	6	8	10/13/21	VOC	1,2-Dichloroethane	107-06-2		U	1.70E-03	2.0E+01		4.6E+00	
SB-207	FD	6	8	10/13/21	VOC	1,1-Dichloroethene	75-35-4		U	4.20E-03	1.0E+03		2.3E+02	
SB-207	N	6	8	10/13/21	VOC	1,1-Dichloroethene	75-35-4		U	3.50E-03	1.0E+03		2.3E+02	
SB-207	FD	6	8	10/13/21	VOC	cis-1,2-Dichloroethene	156-59-2		U	2.10E-03	3.7E+02		6.3E+01	
SB-207	N	6	8	10/13/21	VOC	cis-1,2-Dichloroethene	156-59-2		U	1.70E-03	3.7E+02		6.3E+01	
SB-207	FD	6	8	10/13/21	VOC	trans-1,2-Dichloroethene	156-60-5		U	2.10E-03	3.0E+02		7.0E+01	
SB-207	N	6	8	10/13/21	VOC	trans-1,2-Dichloroethene	156-60-5		U	1.70E-03	3.0E+02		7.0E+01	
SB-207	FD	6	8	10/13/21	VOC	1,2-Dichloropropane	78-87-5		U	2.10E-03	6.6E+01		1.6E+01	
SB-207	N	6	8	10/13/21	VOC	1,2-Dichloropropane	78-87-5		U	1.70E-03	6.6E+01		1.6E+01	
SB-207	FD	6	8	10/13/21	VOC	1,3-Dichloropropane	142-28-9		U	1.10E-03	2.3E+04		1.6E+03	
SB-207	N	6	8	10/13/21	VOC	1,3-Dichloropropane	142-28-9		U	8.70E-04	2.3E+04		1.6E+03	
SB-207	FD	6	8	10/13/21	VOC	2,2-Dichloropropane	594-20-7		U	2.10E-03				
SB-207	N	6	8	10/13/21	VOC	2,2-Dichloropropane	594-20-7		U	1.70E-03				
SB-207	FD	6	8	10/13/21	VOC	1,1-Dichloropropene	563-58-6		U	2.10E-03				
SB-207	N	6	8	10/13/21	VOC	1,1-Dichloropropene	563-58-6		U	1.70E-03				
SB-207	FD	6	8	10/13/21	VOC	1,3-Dichloropropene (total)	542-75-6		U	1.10E-03	8.2E+01		1.8E+01	
SB-207	N	6	8	10/13/21	VOC	1,3-Dichloropropene (total)	542-75-6		U	8.70E-04	8.2E+01		1.8E+01	
SB-207	FD	6	8	10/13/21	VOC	1,4-Dioxane	123-91-1		U	1.10E-01	2.4E+02		5.3E+01	
SB-207	N	6	8	10/13/21	VOC	1,4-Dioxane	123-91-1		U	8.70E-02	2.4E+02		5.3E+01	
SB-207	FD	6	8	10/13/21	VOC	Ethyl tert-butyl ether	637-92-3		U	1.10E-03	5.6E+03		1.3E+03	
SB-207	N	6	8	10/13/21	VOC	Ethyl tert-butyl ether	637-92-3		U	8.70E-04	5.6E+03		1.3E+03	
SB-207	FD	6	8	10/13/21	VOC	Ethyl Benzene	100-41-4		U	2.10E-03	2.5E+02		5.8E+01	
SB-207	N	6	8	10/13/21	VOC	Ethyl Benzene	100-41-4		U	1.70E-03	2.5E+02		5.8E+01	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-207	FD	6	8	10/13/21	VOC	Diethyl ether	60-29-7		U	2.10E-02	2.3E+05		1.6E+04	
SB-207	N	6	8	10/13/21	VOC	Diethyl ether	60-29-7		U	1.70E-02	2.3E+05		1.6E+04	
SB-207	FD	6	8	10/13/21	VOC	2-Hexanone	591-78-6		U	2.10E-02	1.3E+03		2.0E+02	
SB-207	N	6	8	10/13/21	VOC	2-Hexanone	591-78-6		U	1.70E-02	1.3E+03		2.0E+02	
SB-207	FD	6	8	10/13/21	VOC	Methyl Acetate	79-20-9		U	2.10E-03	1.2E+06		7.8E+04	
SB-207	N	6	8	10/13/21	VOC	Methyl Acetate	79-20-9		U	1.70E-03	1.2E+06		7.8E+04	
SB-207	FD	6	8	10/13/21	VOC	Methyl tert-butyl ether	1634-04-4		U	4.20E-03	2.1E+03		4.7E+02	
SB-207	N	6	8	10/13/21	VOC	Methyl tert-butyl ether	1634-04-4		U	3.50E-03	2.1E+03		4.7E+02	
SB-207	FD	6	8	10/13/21	VOC	4-Methyl-2-pentanone	108-10-1		U	2.10E-02	1.4E+05		3.3E+04	
SB-207	N	6	8	10/13/21	VOC	4-Methyl-2-pentanone	108-10-1		U	1.70E-02	1.4E+05		3.3E+04	
SB-207	FD	6	8	10/13/21	VOC	Methylcyclohexane	108-87-2		U	2.10E-03	2.7E+04		6.5E+03	
SB-207	N	6	8	10/13/21	VOC	Methylcyclohexane	108-87-2		U	1.70E-03	2.7E+04		6.5E+03	
SB-207	FD	6	8	10/13/21	VOC	Methylene Chloride	75-09-2		U	2.10E-02	3.2E+03		3.5E+02	
SB-207	N	6	8	10/13/21	VOC	Methylene Chloride	75-09-2		U	1.70E-02	3.2E+03		3.5E+02	
SB-207	FD	6	8	10/13/21	VOC	Diisopropyl ether	108-20-3		U	1.10E-03	9.4E+03		2.2E+03	
SB-207	N	6	8	10/13/21	VOC	Diisopropyl ether	108-20-3		U	8.70E-04	9.4E+03		2.2E+03	
SB-207	FD	6	8	10/13/21	VOC	n-Propylbenzene	103-65-1		U	2.10E-03	2.4E+04		3.8E+03	
SB-207	N	6	8	10/13/21	VOC	n-Propylbenzene	103-65-1		U	1.70E-03	2.4E+04		3.8E+03	
SB-207	FD	6	8	10/13/21	VOC	Styrene	100-42-5		U	2.10E-03	3.5E+04		6.0E+03	
SB-207	N	6	8	10/13/21	VOC	Styrene	100-42-5		U	1.70E-03	3.5E+04		6.0E+03	
SB-207	FD	6	8	10/13/21	VOC	tert-Butyl alcohol	75-65-0		U	1.10E-01	6.5E+04		1.4E+04	
SB-207	N	6	8	10/13/21	VOC	tert-Butyl alcohol	75-65-0		U	8.70E-02	6.5E+04		1.4E+04	
SB-207	FD	6	8	10/13/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6		U	2.10E-03	8.8E+01		2.0E+01	
SB-207	N	6	8	10/13/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6		U	1.70E-03	8.8E+01		2.0E+01	
SB-207	FD	6	8	10/13/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5		U	1.10E-03	2.7E+01		6.0E+00	
SB-207	N	6	8	10/13/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5		U	8.70E-04	2.7E+01		6.0E+00	
SB-207	FD	6	8	10/13/21	VOC	Tetrachloroethene	127-18-4		U	2.10E-03	3.9E+02		8.1E+01	
SB-207	N	6	8	10/13/21	VOC	Tetrachloroethene	127-18-4		U	1.70E-03	3.9E+02		8.1E+01	
SB-207	FD	6	8	10/13/21	VOC	Tetrahydrofuran	109-99-9		U	1.10E-02	9.5E+04		1.8E+04	
SB-207	N	6	8	10/13/21	VOC	Tetrahydrofuran	109-99-9		U	8.70E-03	9.5E+04		1.8E+04	
SB-207	FD	6	8	10/13/21	VOC	Toluene	108-88-3		U	2.10E-03	4.7E+04		4.9E+03	
SB-207	N	6	8	10/13/21	VOC	Toluene	108-88-3		U	1.70E-03	4.7E+04		4.9E+03	
SB-207	FD	6	8	10/13/21	VOC	1,2,3-Trichlorobenzene	87-61-6		U	2.10E-03	9.3E+02		6.3E+01	
SB-207	N	6	8	10/13/21	VOC	1,2,3-Trichlorobenzene	87-61-6		U	1.70E-03	9.3E+02		6.3E+01	
SB-207	FD	6	8	10/13/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	2.10E-03	2.6E+02		5.8E+01	
SB-207	N	6	8	10/13/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	1.70E-03	2.6E+02		5.8E+01	
SB-207	FD	6	8	10/13/21	VOC	1,3,5-Trichlorobenzene	108-70-3		U	2.10E-03				
SB-207	N	6	8	10/13/21	VOC	1,3,5-Trichlorobenzene	108-70-3		U	1.70E-03				
SB-207	FD	6	8	10/13/21	VOC	1,1,1-Trichloroethane	71-55-6		U	2.10E-03	3.6E+04		8.1E+03	
SB-207	N	6	8	10/13/21	VOC	1,1,1-Trichloroethane	71-55-6		U	1.70E-03	3.6E+04		8.1E+03	
SB-207	FD	6	8	10/13/21	VOC	1,1,2-Trichloroethane	79-00-5		U	2.10E-03	6.3E+00		1.5E+00	
SB-207	N	6	8	10/13/21	VOC	1,1,2-Trichloroethane	79-00-5		U	1.70E-03	6.3E+00		1.5E+00	
SB-207	FD	6	8	10/13/21	VOC	Trichloroethene	79-01-6		U	2.10E-03	1.9E+01		4.1E+00	
SB-207	N	6	8	10/13/21	VOC	Trichloroethene	79-01-6		U	1.70E-03	1.9E+01		4.1E+00	



**Attachment 1-1: Soil Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-207	FD	6	8	10/13/21	VOC	Trichlorofluoromethane	75-69-4		U	1.10E-02	3.5E+05		2.3E+04	
SB-207	N	6	8	10/13/21	VOC	Trichlorofluoromethane	75-69-4		U	8.70E-03	3.5E+05		2.3E+04	
SB-207	FD	6	8	10/13/21	VOC	1,2,3-Trichloropropane	96-18-4		U	2.10E-03	1.1E+00		5.1E-02	
SB-207	N	6	8	10/13/21	VOC	1,2,3-Trichloropropane	96-18-4		U	1.70E-03	1.1E+00		5.1E-02	
SB-207	FD	6	8	10/13/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		U	1.10E-02	2.8E+04		6.7E+03	
SB-207	N	6	8	10/13/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		U	8.70E-03	2.8E+04		6.7E+03	
SB-207	FD	6	8	10/13/21	VOC	1,2,4-Trimethylbenzene	95-63-6		U	2.10E-03	1.8E+03		3.0E+02	
SB-207	N	6	8	10/13/21	VOC	1,2,4-Trimethylbenzene	95-63-6		U	1.70E-03	1.8E+03		3.0E+02	
SB-207	FD	6	8	10/13/21	VOC	1,3,5-Trimethylbenzene	108-67-8		U	2.10E-03	1.5E+03		2.7E+02	
SB-207	N	6	8	10/13/21	VOC	1,3,5-Trimethylbenzene	108-67-8		U	1.70E-03	1.5E+03		2.7E+02	
SB-207	FD	6	8	10/13/21	VOC	Vinyl Chloride	75-01-4		U	1.10E-02	1.7E+01		5.9E-01	
SB-207	N	6	8	10/13/21	VOC	Vinyl Chloride	75-01-4		U	8.70E-03	1.7E+01		5.9E-01	
SB-207	FD	6	8	10/13/21	VOC	Xylenes (total)	1330-20-7		U	4.20E-03	2.5E+03		5.8E+02	
SB-207	N	6	8	10/13/21	VOC	Xylenes (total)	1330-20-7		U	3.50E-03	2.5E+03		5.8E+02	
SB-207	FD	6	8	10/13/21	SVOC	Acenaphthene	83-32-9		U	2.10E-01	4.5E+04		3.6E+03	
SB-207	N	6	8	10/13/21	SVOC	Acenaphthene	83-32-9		U	1.90E-01	4.5E+04		3.6E+03	
SB-207	FD	6	8	10/13/21	SVOC	Acenaphthylene	208-96-8		U	2.10E-01	2.3E+04		1.8E+03	
SB-207	N	6	8	10/13/21	SVOC	Acenaphthylene	208-96-8		U	1.90E-01	2.3E+04		1.8E+03	
SB-207	FD	6	8	10/13/21	SVOC	Acetophenone	98-86-2		U	4.10E-01	1.2E+05		7.8E+03	
SB-207	N	6	8	10/13/21	SVOC	Acetophenone	98-86-2		U	3.80E-01	1.2E+05		7.8E+03	
SB-207	FD	6	8	10/13/21	SVOC	t-Amyl methyl ether	994-05-8		U	1.10E-03				
SB-207	N	6	8	10/13/21	SVOC	t-Amyl methyl ether	994-05-8		U	8.70E-04				
SB-207	FD	6	8	10/13/21	SVOC	Aniline	62-53-3		U	4.10E-01	4.0E+03		4.4E+02	
SB-207	N	6	8	10/13/21	SVOC	Aniline	62-53-3		U	3.80E-01	4.0E+03		4.4E+02	
SB-207	FD	6	8	10/13/21	SVOC	Anthracene	120-12-7		U	2.10E-01	2.3E+05		1.8E+04	
SB-207	N	6	8	10/13/21	SVOC	Anthracene	120-12-7		U	1.90E-01	2.3E+05		1.8E+04	
SB-207	FD	6	8	10/13/21	SVOC	Benzidine	92-87-5		U	8.00E-01	1.0E-01		5.3E-03	
SB-207	N	6	8	10/13/21	SVOC	Benzidine	92-87-5		U	7.40E-01	1.0E-01		5.3E-03	
SB-207	FD	6	8	10/13/21	SVOC	Benzo(a)anthracene	56-55-3		U	2.10E-01	2.1E+02		1.1E+01	
SB-207	N	6	8	10/13/21	SVOC	Benzo(a)anthracene	56-55-3		U	1.90E-01	2.1E+02		1.1E+01	
SB-207	FD	6	8	10/13/21	SVOC	Benzo(a)pyrene	50-32-8		U	2.10E-01	2.1E+01		1.1E+00	
SB-207	N	6	8	10/13/21	SVOC	Benzo(a)pyrene	50-32-8		U	1.90E-01	2.1E+01		1.1E+00	
SB-207	FD	6	8	10/13/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	2.10E-01	2.1E+02		1.1E+01	
SB-207	N	6	8	10/13/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	1.90E-01	2.1E+02		1.1E+01	
SB-207	FD	6	8	10/13/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	2.10E-01	2.3E+04		1.8E+03	
SB-207	N	6	8	10/13/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	1.90E-01	2.3E+04		1.8E+03	
SB-207	FD	6	8	10/13/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	2.10E-01	2.1E+03		1.1E+02	
SB-207	N	6	8	10/13/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	1.90E-01	2.1E+03		1.1E+02	
SB-207	FD	6	8	10/13/21	SVOC	Benzoic Acid	65-85-0		U	1.20E+00	3.3E+06		2.5E+05	
SB-207	N	6	8	10/13/21	SVOC	Benzoic Acid	65-85-0		U	1.10E+00	3.3E+06		2.5E+05	
SB-207	FD	6	8	10/13/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	4.10E-01	2.5E+03		1.9E+02	
SB-207	N	6	8	10/13/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	3.80E-01	2.5E+03		1.9E+02	
SB-207	FD	6	8	10/13/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	4.10E-01	1.0E+01		2.3E+00	
SB-207	N	6	8	10/13/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	3.80E-01	1.0E+01		2.3E+00	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-207	FD	6	8	10/13/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	4.10E-01	1.6E+03		3.9E+02	
SB-207	N	6	8	10/13/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	3.80E-01	1.6E+03		3.9E+02	
SB-207	FD	6	8	10/13/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	4.10E-01				
SB-207	N	6	8	10/13/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	3.80E-01				
SB-207	FD	6	8	10/13/21	SVOC	Butylbenzylphthalate	85-68-7		U	4.10E-01	1.2E+04		2.9E+03	
SB-207	N	6	8	10/13/21	SVOC	Butylbenzylphthalate	85-68-7		U	3.80E-01	1.2E+04		2.9E+03	
SB-207	FD	6	8	10/13/21	SVOC	Carbazole	86-74-8		U	2.10E-01	3.0E+04		2.4E+03	
SB-207	N	6	8	10/13/21	SVOC	Carbazole	86-74-8		U	1.90E-01	3.0E+04		2.4E+03	
SB-207	FD	6	8	10/13/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	8.00E-01	8.2E+04		6.3E+03	
SB-207	N	6	8	10/13/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.40E-01	8.2E+04		6.3E+03	
SB-207	FD	6	8	10/13/21	SVOC	4-Chloroaniline	106-47-8		U	8.00E-01	1.1E+02		2.7E+01	
SB-207	N	6	8	10/13/21	SVOC	4-Chloroaniline	106-47-8		U	7.40E-01	1.1E+02		2.7E+01	
SB-207	FD	6	8	10/13/21	SVOC	2-Chloronaphthalene	91-58-7		U	4.10E-01	6.0E+04		4.8E+03	
SB-207	N	6	8	10/13/21	SVOC	2-Chloronaphthalene	91-58-7		U	3.80E-01	6.0E+04		4.8E+03	
SB-207	FD	6	8	10/13/21	SVOC	2-Chlorophenol	95-57-8		U	4.10E-01	5.8E+03		3.9E+02	
SB-207	N	6	8	10/13/21	SVOC	2-Chlorophenol	95-57-8		U	3.80E-01	5.8E+03		3.9E+02	
SB-207	FD	6	8	10/13/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	4.10E-01				
SB-207	N	6	8	10/13/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	3.80E-01				
SB-207	FD	6	8	10/13/21	SVOC	Chrysene	218-01-9		U	2.10E-01	2.1E+04		1.1E+03	
SB-207	N	6	8	10/13/21	SVOC	Chrysene	218-01-9		U	1.90E-01	2.1E+04		1.1E+03	
SB-207	FD	6	8	10/13/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	2.10E-01	2.1E+01		1.1E+00	
SB-207	N	6	8	10/13/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	1.90E-01	2.1E+01		1.1E+00	
SB-207	FD	6	8	10/13/21	SVOC	Dibenzofuran	132-64-9		U	4.10E-01	1.2E+03		7.8E+01	
SB-207	N	6	8	10/13/21	SVOC	Dibenzofuran	132-64-9		U	3.80E-01	1.2E+03		7.8E+01	
SB-207	FD	6	8	10/13/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	2.10E-01	5.1E+01		1.2E+01	
SB-207	N	6	8	10/13/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	1.90E-01	5.1E+01		1.2E+01	
SB-207	FD	6	8	10/13/21	SVOC	2,4-Dichlorophenol	120-83-2		U	4.10E-01	2.5E+03		1.9E+02	
SB-207	N	6	8	10/13/21	SVOC	2,4-Dichlorophenol	120-83-2		U	3.80E-01	2.5E+03		1.9E+02	
SB-207	FD	6	8	10/13/21	SVOC	Diethylphthalate	84-66-2		U	4.10E-01	6.6E+05		5.1E+04	
SB-207	N	6	8	10/13/21	SVOC	Diethylphthalate	84-66-2		U	3.80E-01	6.6E+05		5.1E+04	
SB-207	FD	6	8	10/13/21	SVOC	2,4-Dimethylphenol	105-67-9		U	4.10E-01	1.6E+04		1.3E+03	
SB-207	N	6	8	10/13/21	SVOC	2,4-Dimethylphenol	105-67-9		U	3.80E-01	1.6E+04		1.3E+03	
SB-207	FD	6	8	10/13/21	SVOC	Dimethylphthalate	131-11-3		U	4.10E-01	6.6E+05		5.1E+04	
SB-207	N	6	8	10/13/21	SVOC	Dimethylphthalate	131-11-3		U	3.80E-01	6.6E+05		5.1E+04	
SB-207	FD	6	8	10/13/21	SVOC	Di-n-butylphthalate	84-74-2		U	4.10E-01	8.2E+04		6.3E+03	
SB-207	N	6	8	10/13/21	SVOC	Di-n-butylphthalate	84-74-2		U	3.80E-01	8.2E+04		6.3E+03	
SB-207	FD	6	8	10/13/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	4.10E-01	6.6E+01		5.1E+00	
SB-207	N	6	8	10/13/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	3.80E-01	6.6E+01		5.1E+00	
SB-207	FD	6	8	10/13/21	SVOC	2,4-Dinitrophenol	51-28-5		U	8.00E-01	1.6E+03		1.3E+02	
SB-207	N	6	8	10/13/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.40E-01	1.6E+03		1.3E+02	
SB-207	FD	6	8	10/13/21	SVOC	Di-n-octylphthalate	117-84-0		U	4.10E-01	8.2E+03		6.3E+02	
SB-207	N	6	8	10/13/21	SVOC	Di-n-octylphthalate	117-84-0		U	3.80E-01	8.2E+03		6.3E+02	
SB-207	FD	6	8	10/13/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	4.10E-01	2.9E+01		6.8E+00	
SB-207	N	6	8	10/13/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	3.80E-01	2.9E+01		6.8E+00	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-207	FD	6	8	10/13/21	SVOC	Fluoranthene	206-44-0		U	2.10E-01	3.0E+04		2.4E+03	
SB-207	N	6	8	10/13/21	SVOC	Fluoranthene	206-44-0		U	1.90E-01	3.0E+04		2.4E+03	
SB-207	FD	6	8	10/13/21	SVOC	Fluorene	86-73-7		U	2.10E-01	3.0E+04		2.4E+03	
SB-207	N	6	8	10/13/21	SVOC	Fluorene	86-73-7		U	1.90E-01	3.0E+04		2.4E+03	
SB-207	FD	6	8	10/13/21	SVOC	Hexachlorobenzene	118-74-1		U	4.10E-01	9.6E+00		7.8E-01	
SB-207	N	6	8	10/13/21	SVOC	Hexachlorobenzene	118-74-1		U	3.80E-01	9.6E+00		7.8E-01	
SB-207	FD	6	8	10/13/21	SVOC	Hexachlorobutadiene	87-68-3		U	2.10E-03	5.3E+01		1.2E+01	
SB-207	N	6	8	10/13/21	SVOC	Hexachlorobutadiene	87-68-3		U	1.70E-03	5.3E+01		1.2E+01	
SB-207	FD	6	8	10/13/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	4.10E-01	7.5E+00		1.8E+00	
SB-207	N	6	8	10/13/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	3.80E-01	7.5E+00		1.8E+00	
SB-207	FD	6	8	10/13/21	SVOC	Hexachloroethane	67-72-1		U	4.10E-01	8.0E+01		1.8E+01	
SB-207	N	6	8	10/13/21	SVOC	Hexachloroethane	67-72-1		U	3.80E-01	8.0E+01		1.8E+01	
SB-207	FD	6	8	10/13/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	2.10E-01	2.1E+02		1.1E+01	
SB-207	N	6	8	10/13/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	1.90E-01	2.1E+02		1.1E+01	
SB-207	FD	6	8	10/13/21	SVOC	Isophorone	78-59-1		U	4.10E-01	2.4E+04		5.7E+03	
SB-207	N	6	8	10/13/21	SVOC	Isophorone	78-59-1		U	3.80E-01	2.4E+04		5.7E+03	
SB-207	FD	6	8	10/13/21	SVOC	1-Methylnaphthalene	90-12-0		U	2.10E-01	7.3E+02		1.8E+02	
SB-207	N	6	8	10/13/21	SVOC	1-Methylnaphthalene	90-12-0		U	1.90E-01	7.3E+02		1.8E+02	
SB-207	FD	6	8	10/13/21	SVOC	2-Methylnaphthalene	91-57-6		U	2.10E-01	3.0E+03		2.4E+02	
SB-207	N	6	8	10/13/21	SVOC	2-Methylnaphthalene	91-57-6		U	1.90E-01	3.0E+03		2.4E+02	
SB-207	FD	6	8	10/13/21	SVOC	2-Methylphenol	95-48-7		U	4.10E-01	4.1E+04		3.2E+03	
SB-207	N	6	8	10/13/21	SVOC	2-Methylphenol	95-48-7		U	3.80E-01	4.1E+04		3.2E+03	
SB-207	FD	6	8	10/13/21	SVOC	3&4-Methylphenol	65794-96-9		U	4.10E-01				
SB-207	N	6	8	10/13/21	SVOC	3&4-Methylphenol	65794-96-9		U	3.80E-01				
SB-207	FD	6	8	10/13/21	SVOC	Naphthalene	91-20-3		U	4.20E-03	8.6E+01		2.0E+01	
SB-207	N	6	8	10/13/21	SVOC	Naphthalene	91-20-3		U	3.50E-03	8.6E+01		2.0E+01	
SB-207	FD	6	8	10/13/21	SVOC	2-Nitroaniline	88-74-4		U	4.10E-01	8.0E+03		6.3E+02	
SB-207	N	6	8	10/13/21	SVOC	2-Nitroaniline	88-74-4		U	3.80E-01	8.0E+03		6.3E+02	
SB-207	FD	6	8	10/13/21	SVOC	3-Nitroaniline	99-09-2		U	4.10E-01	1.1E+03		2.5E+02	
SB-207	N	6	8	10/13/21	SVOC	3-Nitroaniline	99-09-2		U	3.80E-01	1.1E+03		2.5E+02	
SB-207	FD	6	8	10/13/21	SVOC	4-Nitroaniline	100-01-6		U	4.10E-01	1.1E+03		2.5E+02	
SB-207	N	6	8	10/13/21	SVOC	4-Nitroaniline	100-01-6		U	3.80E-01	1.1E+03		2.5E+02	
SB-207	FD	6	8	10/13/21	SVOC	2-Nitrophenol	88-75-5		U	4.10E-01				
SB-207	N	6	8	10/13/21	SVOC	2-Nitrophenol	88-75-5		U	3.80E-01				
SB-207	FD	6	8	10/13/21	SVOC	4-Nitrophenol	100-02-7		U	8.00E-01				
SB-207	N	6	8	10/13/21	SVOC	4-Nitrophenol	100-02-7		U	7.40E-01				
SB-207	FD	6	8	10/13/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	4.10E-01	3.4E-01		2.0E-02	
SB-207	N	6	8	10/13/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	3.80E-01	3.4E-01		2.0E-02	
SB-207	FD	6	8	10/13/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	4.10E-01	4.7E+03		1.1E+03	
SB-207	N	6	8	10/13/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	3.80E-01	4.7E+03		1.1E+03	
SB-207	FD	6	8	10/13/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	4.10E-01	3.3E+00		7.8E-01	
SB-207	N	6	8	10/13/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	3.80E-01	3.3E+00		7.8E-01	
SB-207	FD	6	8	10/13/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	4.10E-01	4.7E+04		3.1E+03	
SB-207	N	6	8	10/13/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	3.80E-01	4.7E+04		3.1E+03	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-207	FD	6	8	10/13/21	SVOC	Pentachloronitrobenzene	82-68-8		U	4.10E-01	1.3E+02		2.7E+01	
SB-207	N	6	8	10/13/21	SVOC	Pentachloronitrobenzene	82-68-8		U	3.80E-01	1.3E+02		2.7E+01	
SB-207	FD	6	8	10/13/21	SVOC	Pentachlorophenol	87-86-5		U	4.10E-01	4.0E+01		1.0E+01	
SB-207	N	6	8	10/13/21	SVOC	Pentachlorophenol	87-86-5		U	3.80E-01	4.0E+01		1.0E+01	
SB-207	FD	6	8	10/13/21	SVOC	Phenanthrene	85-01-8		U	2.10E-01	2.3E+04		1.8E+03	
SB-207	N	6	8	10/13/21	SVOC	Phenanthrene	85-01-8		U	1.90E-01	2.3E+04		1.8E+03	
SB-207	FD	6	8	10/13/21	SVOC	Phenol	108-95-2		U	4.10E-01	2.5E+05		1.9E+04	
SB-207	N	6	8	10/13/21	SVOC	Phenol	108-95-2		U	3.80E-01	2.5E+05		1.9E+04	
SB-207	FD	6	8	10/13/21	SVOC	Pyrene	129-00-0		U	2.10E-01	2.3E+04		1.8E+03	
SB-207	N	6	8	10/13/21	SVOC	Pyrene	129-00-0		U	1.90E-01	2.3E+04		1.8E+03	
SB-207	FD	6	8	10/13/21	SVOC	Pyridine	110-86-1		U	4.10E-01	1.2E+03		7.8E+01	
SB-207	N	6	8	10/13/21	SVOC	Pyridine	110-86-1		U	3.80E-01	1.2E+03		7.8E+01	
SB-207	FD	6	8	10/13/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	4.10E-01	3.5E+01		2.3E+00	
SB-207	N	6	8	10/13/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	3.80E-01	3.5E+01		2.3E+00	
SB-207	FD	6	8	10/13/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	4.10E-01	8.2E+04		6.3E+03	
SB-207	N	6	8	10/13/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	3.80E-01	8.2E+04		6.3E+03	
SB-207	FD	6	8	10/13/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	4.10E-01	8.2E+02		6.3E+01	
SB-207	N	6	8	10/13/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	3.80E-01	8.2E+02		6.3E+01	
SB-207	FD	6	8	10/13/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	4.10E-01	7.4E+01		1.7E+01	
SB-207	N	6	8	10/13/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	3.80E-01	7.4E+01		1.7E+01	
SB-207	FD	6	8	10/13/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	4.10E-01	1.5E+01		3.6E+00	
SB-207	N	6	8	10/13/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	3.80E-01	1.5E+01		3.6E+00	
SB-207	FD	6	8	10/13/21	NITRO	Nitrobenzene	98-95-3		U	4.10E-01	2.2E+02		5.1E+01	
SB-207	N	6	8	10/13/21	NITRO	Nitrobenzene	98-95-3		U	3.80E-01	2.2E+02		5.1E+01	
SB-207	FD	6	8	10/13/21	INORG	Aluminum	7429-90-5	7.30E+03		1.90E+01	1.1E+06	6.6E-03	7.7E+04	9.5E-02
SB-207	N	6	8	10/13/21	INORG	Aluminum	7429-90-5	9.80E+03		1.90E+01	1.1E+06	8.9E-03	7.7E+04	1.3E-01
SB-207	FD	6	8	10/13/21	INORG	Antimony	7440-36-0		U	1.90E+00	4.7E+02		3.1E+01	
SB-207	N	6	8	10/13/21	INORG	Antimony	7440-36-0		U	1.90E+00	4.7E+02		3.1E+01	
SB-207	FD	6	8	10/13/21	INORG	Arsenic	7440-38-2	7.30E+00		3.80E+00	3.0E+01	2.4E-01	6.8E+00	1.1E+00
SB-207	N	6	8	10/13/21	INORG	Arsenic	7440-38-2	9.40E+00		3.80E+00	3.0E+01	3.1E-01	6.8E+00	1.4E+00
SB-207	FD	6	8	10/13/21	INORG	Barium	7440-39-3	5.20E+01		1.90E+00	2.2E+05	2.4E-04	1.5E+04	3.5E-03
SB-207	N	6	8	10/13/21	INORG	Barium	7440-39-3	5.90E+01		1.90E+00	2.2E+05	2.7E-04	1.5E+04	3.9E-03
SB-207	FD	6	8	10/13/21	INORG	Beryllium	7440-41-7	9.70E-01		1.90E-01	2.3E+03	4.2E-04	1.6E+02	6.1E-03
SB-207	N	6	8	10/13/21	INORG	Beryllium	7440-41-7	9.00E-01		1.90E-01	2.3E+03	3.9E-04	1.6E+02	5.6E-03
SB-207	FD	6	8	10/13/21	INORG	Cadmium	7440-43-9	3.40E-01	J	3.80E-01	1.0E+02	3.4E-03	7.1E+00	4.8E-02
SB-207	N	6	8	10/13/21	INORG	Cadmium	7440-43-9		U	3.80E-01	1.0E+02		7.1E+00	
SB-207	FD	6	8	10/13/21	INORG	Chromium (total)	7440-47-3	1.20E+01		7.70E-01	1.8E+06	6.7E-06	1.2E+05	1.0E-04
SB-207	N	6	8	10/13/21	INORG	Chromium (total)	7440-47-3	1.40E+01		7.50E-01	1.8E+06	7.8E-06	1.2E+05	1.2E-04
SB-207	FD	6	8	10/13/21	INORG	Cobalt	7440-48-4	1.30E+01		1.90E+00	3.5E+02	3.7E-02	2.3E+01	5.7E-01
SB-207	N	6	8	10/13/21	INORG	Cobalt	7440-48-4	2.50E+01		1.90E+00	3.5E+02	7.1E-02	2.3E+01	1.1E+00
SB-207	FD	6	8	10/13/21	INORG	Copper	7440-50-8	1.40E+01		7.70E-01	4.7E+04	3.0E-04	3.1E+03	4.5E-03
SB-207	N	6	8	10/13/21	INORG	Copper	7440-50-8	1.80E+01		7.50E-01	4.7E+04	3.8E-04	3.1E+03	5.8E-03
SB-207	FD	6	8	10/13/21	INORG	Cyanide (total)	57-12-5	2.20E+00		6.00E-01	1.5E+02	1.5E-02	2.3E+01	9.6E-02
SB-207	N	6	8	10/13/21	INORG	Cyanide (total)	57-12-5		U	5.60E-01	1.5E+02		2.3E+01	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-207	N	6	8	10/13/21	INORG	Iron	7439-89-6	1.80E+04		1.90E+01	8.2E+05	2.2E-02	5.5E+04	3.3E-01
SB-207	FD	6	8	10/13/21	INORG	Lead	7439-92-1	6.80E+00		5.80E-01	8.0E+02	8.5E-03	2.0E+02	3.4E-02
SB-207	N	6	8	10/13/21	INORG	Lead	7439-92-1	1.30E+01		5.60E-01	8.0E+02	1.6E-02	2.0E+02	6.5E-02
SB-207	FD	6	8	10/13/21	INORG	Manganese	7439-96-5	1.10E+02		3.80E-01	2.6E+04	4.2E-03	1.8E+03	6.1E-02
SB-207	N	6	8	10/13/21	INORG	Manganese	7439-96-5	8.40E+01		3.80E-01	2.6E+04	3.2E-03	1.8E+03	4.7E-02
SB-207	FD	6	8	10/13/21	INORG	Mercury	7439-97-6		U	3.50E-02	4.1E+01		7.4E+00	
SB-207	N	6	8	10/13/21	INORG	Mercury	7439-97-6	1.90E-02	J	3.10E-02	4.1E+01	4.7E-04	7.4E+00	2.6E-03
SB-207	FD	6	8	10/13/21	INORG	Nickel	7440-02-0	2.00E+01		7.70E-01	2.2E+04	9.1E-04	1.5E+03	1.3E-02
SB-207	N	6	8	10/13/21	INORG	Nickel	7440-02-0	1.80E+01		7.50E-01	2.2E+04	8.2E-04	1.5E+03	1.2E-02
SB-207	FD	6	8	10/13/21	INORG	Selenium	7782-49-2		U	3.80E+00	5.8E+03		3.9E+02	
SB-207	N	6	8	10/13/21	INORG	Selenium	7782-49-2		U	3.80E+00	5.8E+03		3.9E+02	
SB-207	FD	6	8	10/13/21	INORG	Silver	7440-22-4		U	3.80E-01	5.8E+03		3.9E+02	
SB-207	N	6	8	10/13/21	INORG	Silver	7440-22-4		U	3.80E-01	5.8E+03		3.9E+02	
SB-207	FD	6	8	10/13/21	INORG	Thallium	7440-28-0		U	1.90E+00	1.2E+01		7.8E-01	
SB-207	N	6	8	10/13/21	INORG	Thallium	7440-28-0		U	1.90E+00	1.2E+01		7.8E-01	
SB-207	FD	6	8	10/13/21	INORG	Vanadium	7440-62-2	2.90E+01		7.70E-01	5.8E+03	5.0E-03	3.9E+02	7.4E-02
SB-207	N	6	8	10/13/21	INORG	Vanadium	7440-62-2	3.60E+01		7.50E-01	5.8E+03	6.2E-03	3.9E+02	9.2E-02
SB-207	FD	6	8	10/13/21	INORG	Zinc	7440-66-6	5.30E+01		7.70E-01	3.5E+05	1.5E-04	2.3E+04	2.3E-03
SB-207	N	6	8	10/13/21	INORG	Zinc	7440-66-6	4.10E+01		7.50E-01	3.5E+05	1.2E-04	2.3E+04	1.8E-03
SB-207	N	16	18	10/13/21	VOC	Acetone	67-64-1		U	7.80E-02	1.1E+06		7.0E+04	
SB-207	N	16	18	10/13/21	VOC	Acrylonitrile	107-13-1		U	4.70E-03	1.1E+01		2.5E+00	
SB-207	N	16	18	10/13/21	VOC	Benzene	71-43-2		U	1.60E-03	5.1E+01		1.2E+01	
SB-207	N	16	18	10/13/21	VOC	Bromobenzene	108-86-1		U	1.60E-03	1.8E+03		2.9E+02	
SB-207	N	16	18	10/13/21	VOC	Bromochloromethane	74-97-5		U	1.60E-03	6.3E+02		1.5E+02	
SB-207	N	16	18	10/13/21	VOC	Bromodichloromethane	75-27-4		U	1.60E-03	1.3E+01		2.9E+00	
SB-207	N	16	18	10/13/21	VOC	Bromoform	75-25-2		U	1.60E-03	8.6E+02		1.9E+02	
SB-207	N	16	18	10/13/21	VOC	Bromomethane	74-83-9		U	7.80E-03	3.0E+01		6.8E+00	
SB-207	N	16	18	10/13/21	VOC	2-Butanone	78-93-3		U	3.10E-02	1.9E+05		2.7E+04	
SB-207	N	16	18	10/13/21	VOC	n-Butylbenzene	104-51-8		U	1.60E-03	5.8E+04		3.9E+03	
SB-207	N	16	18	10/13/21	VOC	sec-Butylbenzene	135-98-8		U	1.60E-03	1.2E+05		7.8E+03	
SB-207	N	16	18	10/13/21	VOC	tert-Butylbenzene	98-06-6		U	3.10E-03	1.2E+05		7.8E+03	
SB-207	N	16	18	10/13/21	VOC	Carbon Disulfide	75-15-0		U	7.80E-03	3.5E+03		7.7E+02	
SB-207	N	16	18	10/13/21	VOC	Carbon Tetrachloride	56-23-5		U	1.60E-03	2.9E+01		6.5E+00	
SB-207	N	16	18	10/13/21	VOC	Chlorobenzene	108-90-7		U	1.60E-03	1.3E+03		2.8E+02	
SB-207	N	16	18	10/13/21	VOC	Chloroethane	75-00-3		U	1.60E-02	2.3E+04		5.4E+03	
SB-207	N	16	18	10/13/21	VOC	Chloroform	67-66-3		U	3.10E-03	1.4E+01		3.2E+00	
SB-207	N	16	18	10/13/21	VOC	Chloromethane	74-87-3		U	7.80E-03	4.6E+02		1.1E+02	
SB-207	N	16	18	10/13/21	VOC	2-Chlorotoluene	95-49-8		U	1.60E-03	2.3E+04		1.6E+03	
SB-207	N	16	18	10/13/21	VOC	4-Chlorotoluene	106-43-4		U	1.60E-03	2.3E+04		1.6E+03	
SB-207	N	16	18	10/13/21	VOC	Cumene	98-82-8		U	1.60E-03	9.9E+03		1.9E+03	
SB-207	N	16	18	10/13/21	VOC	p-Cymene	99-87-6		U	1.60E-03				
SB-207	N	16	18	10/13/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8		U	1.60E-03	6.4E-01		5.3E-02	
SB-207	N	16	18	10/13/21	VOC	Dibromochloromethane	124-48-1		U	7.80E-04	3.9E+02		8.3E+01	
SB-207	N	16	18	10/13/21	VOC	1,2-Dibromoethane	106-93-4		U	7.80E-04	1.6E+00		3.6E-01	



**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-207	N	16	18	10/13/21	VOC	Dibromomethane	74-95-3		U	1.60E-03	9.9E+01		2.4E+01	
SB-207	N	16	18	10/13/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6		U	3.10E-03	3.2E-01		7.4E-02	
SB-207	N	16	18	10/13/21	VOC	1,2-Dichlorobenzene	95-50-1		U	1.60E-03	9.3E+03		1.8E+03	
SB-207	N	16	18	10/13/21	VOC	1,3-Dichlorobenzene	541-73-1		U	1.60E-03	1.1E+02		2.6E+01	
SB-207	N	16	18	10/13/21	VOC	1,4-Dichlorobenzene	106-46-7		U	1.60E-03	1.1E+02		2.6E+01	
SB-207	N	16	18	10/13/21	VOC	Dichlorodifluoromethane	75-71-8		U	1.60E-02	3.7E+02		8.7E+01	
SB-207	N	16	18	10/13/21	VOC	1,1-Dichloroethane	75-34-3		U	1.60E-03	1.6E+02		3.6E+01	
SB-207	N	16	18	10/13/21	VOC	1,2-Dichloroethane	107-06-2		U	1.60E-03	2.0E+01		4.6E+00	
SB-207	N	16	18	10/13/21	VOC	1,1-Dichloroethene	75-35-4		U	3.10E-03	1.0E+03		2.3E+02	
SB-207	N	16	18	10/13/21	VOC	cis-1,2-Dichloroethene	156-59-2		U	1.60E-03	3.7E+02		6.3E+01	
SB-207	N	16	18	10/13/21	VOC	trans-1,2-Dichloroethene	156-60-5		U	1.60E-03	3.0E+02		7.0E+01	
SB-207	N	16	18	10/13/21	VOC	1,2-Dichloropropane	78-87-5		U	1.60E-03	6.6E+01		1.6E+01	
SB-207	N	16	18	10/13/21	VOC	1,3-Dichloropropane	142-28-9		U	7.80E-04	2.3E+04		1.6E+03	
SB-207	N	16	18	10/13/21	VOC	2,2-Dichloropropane	594-20-7		U	1.60E-03				
SB-207	N	16	18	10/13/21	VOC	1,1-Dichloropropene	563-58-6		U	1.60E-03				
SB-207	N	16	18	10/13/21	VOC	1,3-Dichloropropene (total)	542-75-6		U	7.80E-04	8.2E+01		1.8E+01	
SB-207	N	16	18	10/13/21	VOC	1,4-Dioxane	123-91-1		U	7.80E-02	2.4E+02		5.3E+01	
SB-207	N	16	18	10/13/21	VOC	Ethyl tert-butyl ether	637-92-3		U	7.80E-04	5.6E+03		1.3E+03	
SB-207	N	16	18	10/13/21	VOC	Ethyl Benzene	100-41-4		U	1.60E-03	2.5E+02		5.8E+01	
SB-207	N	16	18	10/13/21	VOC	Diethyl ether	60-29-7		U	1.60E-02	2.3E+05		1.6E+04	
SB-207	N	16	18	10/13/21	VOC	2-Hexanone	591-78-6		U	1.60E-02	1.3E+03		2.0E+02	
SB-207	N	16	18	10/13/21	VOC	Methyl Acetate	79-20-9		U	1.60E-03	1.2E+06		7.8E+04	
SB-207	N	16	18	10/13/21	VOC	Methyl tert-butyl ether	1634-04-4		U	3.10E-03	2.1E+03		4.7E+02	
SB-207	N	16	18	10/13/21	VOC	4-Methyl-2-pentanone	108-10-1		U	1.60E-02	1.4E+05		3.3E+04	
SB-207	N	16	18	10/13/21	VOC	Methylcyclohexane	108-87-2		U	1.60E-03	2.7E+04		6.5E+03	
SB-207	N	16	18	10/13/21	VOC	Methylene Chloride	75-09-2		U	1.60E-02	3.2E+03		3.5E+02	
SB-207	N	16	18	10/13/21	VOC	Diisopropyl ether	108-20-3		U	7.80E-04	9.4E+03		2.2E+03	
SB-207	N	16	18	10/13/21	VOC	n-Propylbenzene	103-65-1		U	1.60E-03	2.4E+04		3.8E+03	
SB-207	N	16	18	10/13/21	VOC	Styrene	100-42-5		U	1.60E-03	3.5E+04		6.0E+03	
SB-207	N	16	18	10/13/21	VOC	tert-Butyl alcohol	75-65-0		U	7.80E-02	6.5E+04		1.4E+04	
SB-207	N	16	18	10/13/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6		U	1.60E-03	8.8E+01		2.0E+01	
SB-207	N	16	18	10/13/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5		U	7.80E-04	2.7E+01		6.0E+00	
SB-207	N	16	18	10/13/21	VOC	Tetrachloroethene	127-18-4		U	1.60E-03	3.9E+02		8.1E+01	
SB-207	N	16	18	10/13/21	VOC	Tetrahydrofuran	109-99-9		U	7.80E-03	9.5E+04		1.8E+04	
SB-207	N	16	18	10/13/21	VOC	Toluene	108-88-3		U	1.60E-03	4.7E+04		4.9E+03	
SB-207	N	16	18	10/13/21	VOC	1,2,3-Trichlorobenzene	87-61-6		U	1.60E-03	9.3E+02		6.3E+01	
SB-207	N	16	18	10/13/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	1.60E-03	2.6E+02		5.8E+01	
SB-207	N	16	18	10/13/21	VOC	1,3,5-Trichlorobenzene	108-70-3		U	1.60E-03				
SB-207	N	16	18	10/13/21	VOC	1,1,1-Trichloroethane	71-55-6		U	1.60E-03	3.6E+04		8.1E+03	
SB-207	N	16	18	10/13/21	VOC	1,1,2-Trichloroethane	79-00-5		U	1.60E-03	6.3E+00		1.5E+00	
SB-207	N	16	18	10/13/21	VOC	Trichloroethene	79-01-6		U	1.60E-03	1.9E+01		4.1E+00	
SB-207	N	16	18	10/13/21	VOC	Trichlorofluoromethane	75-69-4		U	7.80E-03	3.5E+05		2.3E+04	
SB-207	N	16	18	10/13/21	VOC	1,2,3-Trichloropropane	96-18-4		U	1.60E-03	1.1E+00		5.1E-02	
SB-207	N	16	18	10/13/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		U	7.80E-03	2.8E+04		6.7E+03	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-207	N	16	18	10/13/21	VOC	1,2,4-Trimethylbenzene	95-63-6		U	1.60E-03	1.8E+03		3.0E+02	
SB-207	N	16	18	10/13/21	VOC	1,3,5-Trimethylbenzene	108-67-8		U	1.60E-03	1.5E+03		2.7E+02	
SB-207	N	16	18	10/13/21	VOC	Vinyl Chloride	75-01-4		U	7.80E-03	1.7E+01		5.9E-01	
SB-207	N	16	18	10/13/21	VOC	Xylenes (total)	1330-20-7		U	3.10E-03	2.5E+03		5.8E+02	
SB-207	N	16	18	10/13/21	SVOC	Acenaphthene	83-32-9		U	1.80E-01	4.5E+04		3.6E+03	
SB-207	N	16	18	10/13/21	SVOC	Acenaphthylene	208-96-8		U	1.80E-01	2.3E+04		1.8E+03	
SB-207	N	16	18	10/13/21	SVOC	Acetophenone	98-86-2		U	3.60E-01	1.2E+05		7.8E+03	
SB-207	N	16	18	10/13/21	SVOC	t-Amyl methyl ether	994-05-8		U	7.80E-04				
SB-207	N	16	18	10/13/21	SVOC	Aniline	62-53-3		U	3.60E-01	4.0E+03		4.4E+02	
SB-207	N	16	18	10/13/21	SVOC	Anthracene	120-12-7		U	1.80E-01	2.3E+05		1.8E+04	
SB-207	N	16	18	10/13/21	SVOC	Benzidine	92-87-5		U	7.00E-01	1.0E-01		5.3E-03	
SB-207	N	16	18	10/13/21	SVOC	Benzo(a)anthracene	56-55-3		U	1.80E-01	2.1E+02		1.1E+01	
SB-207	N	16	18	10/13/21	SVOC	Benzo(a)pyrene	50-32-8		U	1.80E-01	2.1E+01		1.1E+00	
SB-207	N	16	18	10/13/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	1.80E-01	2.1E+02		1.1E+01	
SB-207	N	16	18	10/13/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	1.80E-01	2.3E+04		1.8E+03	
SB-207	N	16	18	10/13/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	1.80E-01	2.1E+03		1.1E+02	
SB-207	N	16	18	10/13/21	SVOC	Benzoic Acid	65-85-0		U	1.10E+00	3.3E+06		2.5E+05	
SB-207	N	16	18	10/13/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	3.60E-01	2.5E+03		1.9E+02	
SB-207	N	16	18	10/13/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	3.60E-01	1.0E+01		2.3E+00	
SB-207	N	16	18	10/13/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	3.60E-01	1.6E+03		3.9E+02	
SB-207	N	16	18	10/13/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	3.60E-01				
SB-207	N	16	18	10/13/21	SVOC	Butylbenzylphthalate	85-68-7		U	3.60E-01	1.2E+04		2.9E+03	
SB-207	N	16	18	10/13/21	SVOC	Carbazole	86-74-8		U	1.80E-01	3.0E+04		2.4E+03	
SB-207	N	16	18	10/13/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.00E-01	8.2E+04		6.3E+03	
SB-207	N	16	18	10/13/21	SVOC	4-Chloroaniline	106-47-8		U	7.00E-01	1.1E+02		2.7E+01	
SB-207	N	16	18	10/13/21	SVOC	2-Chloronaphthalene	91-58-7		U	3.60E-01	6.0E+04		4.8E+03	
SB-207	N	16	18	10/13/21	SVOC	2-Chlorophenol	95-57-8		U	3.60E-01	5.8E+03		3.9E+02	
SB-207	N	16	18	10/13/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	3.60E-01				
SB-207	N	16	18	10/13/21	SVOC	Chrysene	218-01-9		U	1.80E-01	2.1E+04		1.1E+03	
SB-207	N	16	18	10/13/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	1.80E-01	2.1E+01		1.1E+00	
SB-207	N	16	18	10/13/21	SVOC	Dibenzofuran	132-64-9		U	3.60E-01	1.2E+03		7.8E+01	
SB-207	N	16	18	10/13/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	1.80E-01	5.1E+01		1.2E+01	
SB-207	N	16	18	10/13/21	SVOC	2,4-Dichlorophenol	120-83-2		U	3.60E-01	2.5E+03		1.9E+02	
SB-207	N	16	18	10/13/21	SVOC	Diethylphthalate	84-66-2		U	3.60E-01	6.6E+05		5.1E+04	
SB-207	N	16	18	10/13/21	SVOC	2,4-Dimethylphenol	105-67-9		U	3.60E-01	1.6E+04		1.3E+03	
SB-207	N	16	18	10/13/21	SVOC	Dimethylphthalate	131-11-3		U	3.60E-01	6.6E+05		5.1E+04	
SB-207	N	16	18	10/13/21	SVOC	Di-n-butylphthalate	84-74-2		U	3.60E-01	8.2E+04		6.3E+03	
SB-207	N	16	18	10/13/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	3.60E-01	6.6E+01		5.1E+00	
SB-207	N	16	18	10/13/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.00E-01	1.6E+03		1.3E+02	
SB-207	N	16	18	10/13/21	SVOC	Di-n-octylphthalate	117-84-0		U	3.60E-01	8.2E+03		6.3E+02	
SB-207	N	16	18	10/13/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	3.60E-01	2.9E+01		6.8E+00	
SB-207	N	16	18	10/13/21	SVOC	Fluoranthene	206-44-0		U	1.80E-01	3.0E+04		2.4E+03	
SB-207	N	16	18	10/13/21	SVOC	Fluorene	86-73-7		U	1.80E-01	3.0E+04		2.4E+03	
SB-207	N	16	18	10/13/21	SVOC	Hexachlorobenzene	118-74-1		U	3.60E-01	9.6E+00		7.8E-01	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-207	N	16	18	10/13/21	SVOC	Hexachlorobutadiene	87-68-3		U	1.60E-03	5.3E+01		1.2E+01	
SB-207	N	16	18	10/13/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	3.60E-01	7.5E+00		1.8E+00	
SB-207	N	16	18	10/13/21	SVOC	Hexachloroethane	67-72-1		U	3.60E-01	8.0E+01		1.8E+01	
SB-207	N	16	18	10/13/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	1.80E-01	2.1E+02		1.1E+01	
SB-207	N	16	18	10/13/21	SVOC	Isophorone	78-59-1		U	3.60E-01	2.4E+04		5.7E+03	
SB-207	N	16	18	10/13/21	SVOC	1-Methylnaphthalene	90-12-0		U	1.80E-01	7.3E+02		1.8E+02	
SB-207	N	16	18	10/13/21	SVOC	2-Methylnaphthalene	91-57-6		U	1.80E-01	3.0E+03		2.4E+02	
SB-207	N	16	18	10/13/21	SVOC	2-Methylphenol	95-48-7		U	3.60E-01	4.1E+04		3.2E+03	
SB-207	N	16	18	10/13/21	SVOC	3&4-Methylphenol	65794-96-9		U	3.60E-01				
SB-207	N	16	18	10/13/21	SVOC	Naphthalene	91-20-3		U	3.10E-03	8.6E+01		2.0E+01	
SB-207	N	16	18	10/13/21	SVOC	2-Nitroaniline	88-74-4		U	3.60E-01	8.0E+03		6.3E+02	
SB-207	N	16	18	10/13/21	SVOC	3-Nitroaniline	99-09-2		U	3.60E-01	1.1E+03		2.5E+02	
SB-207	N	16	18	10/13/21	SVOC	4-Nitroaniline	100-01-6		U	3.60E-01	1.1E+03		2.5E+02	
SB-207	N	16	18	10/13/21	SVOC	2-Nitrophenol	88-75-5		U	3.60E-01				
SB-207	N	16	18	10/13/21	SVOC	4-Nitrophenol	100-02-7		U	7.00E-01				
SB-207	N	16	18	10/13/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	3.60E-01	3.4E-01		2.0E-02	
SB-207	N	16	18	10/13/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	3.60E-01	4.7E+03		1.1E+03	
SB-207	N	16	18	10/13/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	3.60E-01	3.3E+00		7.8E-01	
SB-207	N	16	18	10/13/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	3.60E-01	4.7E+04		3.1E+03	
SB-207	N	16	18	10/13/21	SVOC	Pentachloronitrobenzene	82-68-8		U	3.60E-01	1.3E+02		2.7E+01	
SB-207	N	16	18	10/13/21	SVOC	Pentachlorophenol	87-86-5		U	3.60E-01	4.0E+01		1.0E+01	
SB-207	N	16	18	10/13/21	SVOC	Phenanthrene	85-01-8		U	1.80E-01	2.3E+04		1.8E+03	
SB-207	N	16	18	10/13/21	SVOC	Phenol	108-95-2		U	3.60E-01	2.5E+05		1.9E+04	
SB-207	N	16	18	10/13/21	SVOC	Pyrene	129-00-0		U	1.80E-01	2.3E+04		1.8E+03	
SB-207	N	16	18	10/13/21	SVOC	Pyridine	110-86-1		U	3.60E-01	1.2E+03		7.8E+01	
SB-207	N	16	18	10/13/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	3.60E-01	3.5E+01		2.3E+00	
SB-207	N	16	18	10/13/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	3.60E-01	8.2E+04		6.3E+03	
SB-207	N	16	18	10/13/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	3.60E-01	8.2E+02		6.3E+01	
SB-207	N	16	18	10/13/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	3.60E-01	7.4E+01		1.7E+01	
SB-207	N	16	18	10/13/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	3.60E-01	1.5E+01		3.6E+00	
SB-207	N	16	18	10/13/21	NITRO	Nitrobenzene	98-95-3		U	3.60E-01	2.2E+02		5.1E+01	
SB-207	N	16	18	10/13/21	INORG	Aluminum	7429-90-5	4.40E+03		1.70E+01	1.1E+06	4.0E-03	7.7E+04	5.7E-02
SB-207	N	16	18	10/13/21	INORG	Antimony	7440-36-0		U	1.70E+00	4.7E+02		3.1E+01	
SB-207	N	16	18	10/13/21	INORG	Arsenic	7440-38-2	3.50E+00		3.40E+00	3.0E+01	1.2E-01	6.8E+00	5.1E-01
SB-207	N	16	18	10/13/21	INORG	Barium	7440-39-3	3.60E+01		1.70E+00	2.2E+05	1.6E-04	1.5E+04	2.4E-03
SB-207	N	16	18	10/13/21	INORG	Beryllium	7440-41-7	4.80E-01		1.70E-01	2.3E+03	2.1E-04	1.6E+02	3.0E-03
SB-207	N	16	18	10/13/21	INORG	Cadmium	7440-43-9		U	3.40E-01	1.0E+02		7.1E+00	
SB-207	N	16	18	10/13/21	INORG	Chromium (total)	7440-47-3	1.60E+01		6.90E-01	1.8E+06	8.9E-06	1.2E+05	1.3E-04
SB-207	N	16	18	10/13/21	INORG	Cobalt	7440-48-4	7.30E+00		1.70E+00	3.5E+02	2.1E-02	2.3E+01	3.2E-01
SB-207	N	16	18	10/13/21	INORG	Copper	7440-50-8	1.00E+01		6.90E-01	4.7E+04	2.1E-04	3.1E+03	3.2E-03
SB-207	N	16	18	10/13/21	INORG	Cyanide (total)	57-12-5		U	5.00E-01	1.5E+02		2.3E+01	
SB-207	N	16	18	10/13/21	INORG	Iron	7439-89-6	1.80E+04		8.60E+01	8.2E+05	2.2E-02	5.5E+04	3.3E-01
SB-207	N	16	18	10/13/21	INORG	Lead	7439-92-1	4.50E+00		5.20E-01	8.0E+02	5.6E-03	2.0E+02	2.3E-02
SB-207	N	16	18	10/13/21	INORG	Manganese	7439-96-5	6.70E+01		3.40E-01	2.6E+04	2.6E-03	1.8E+03	3.7E-02

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-207	N	16	18	10/13/21	INORG	Mercury	7439-97-6		U	3.00E-02	4.1E+01		7.4E+00	
SB-207	N	16	18	10/13/21	INORG	Nickel	7440-02-0	1.20E+01		6.90E-01	2.2E+04	5.5E-04	1.5E+03	8.0E-03
SB-207	N	16	18	10/13/21	INORG	Selenium	7782-49-2		U	3.40E+00	5.8E+03		3.9E+02	
SB-207	N	16	18	10/13/21	INORG	Silver	7440-22-4		U	3.40E-01	5.8E+03		3.9E+02	
SB-207	N	16	18	10/13/21	INORG	Thallium	7440-28-0		U	1.70E+00	1.2E+01		7.8E-01	
SB-207	N	16	18	10/13/21	INORG	Vanadium	7440-62-2	2.40E+01		6.90E-01	5.8E+03	4.1E-03	3.9E+02	6.2E-02
SB-207	N	16	18	10/13/21	INORG	Zinc	7440-66-6	2.20E+01		6.90E-01	3.5E+05	6.3E-05	2.3E+04	9.6E-04
SB-208	N		1	10/14/21	VOC	1,2-Dichlorobenzene	95-50-1		U	4.40E-01	9.3E+03		1.8E+03	
SB-208	N		1	10/14/21	VOC	1,3-Dichlorobenzene	541-73-1		U	4.40E-01	1.1E+02		2.6E+01	
SB-208	N		1	10/14/21	VOC	1,4-Dichlorobenzene	106-46-7		U	4.40E-01	1.1E+02		2.6E+01	
SB-208	N		1	10/14/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	4.40E-01	2.6E+02		5.8E+01	
SB-208	N		1	10/14/21	SVOC	Acenaphthene	83-32-9		U	2.20E-01	4.5E+04		3.6E+03	
SB-208	N		1	10/14/21	SVOC	Acenaphthylene	208-96-8		U	2.20E-01	2.3E+04		1.8E+03	
SB-208	N		1	10/14/21	SVOC	Acetophenone	98-86-2		U	4.40E-01	1.2E+05		7.8E+03	
SB-208	N		1	10/14/21	SVOC	Aniline	62-53-3		U	4.40E-01	4.0E+03		4.4E+02	
SB-208	N		1	10/14/21	SVOC	Anthracene	120-12-7		U	2.20E-01	2.3E+05		1.8E+04	
SB-208	N		1	10/14/21	SVOC	Benzidine	92-87-5		U	8.50E-01	1.0E-01		5.3E-03	
SB-208	N		1	10/14/21	SVOC	Benzo(a)anthracene	56-55-3		U	2.20E-01	2.1E+02		1.1E+01	
SB-208	N		1	10/14/21	SVOC	Benzo(a)pyrene	50-32-8		U	2.20E-01	2.1E+01		1.1E+00	
SB-208	N		1	10/14/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	2.20E-01	2.1E+02		1.1E+01	
SB-208	N		1	10/14/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	2.20E-01	2.3E+04		1.8E+03	
SB-208	N		1	10/14/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	2.20E-01	2.1E+03		1.1E+02	
SB-208	N		1	10/14/21	SVOC	Benzoic Acid	65-85-0		U	1.30E+00	3.3E+06		2.5E+05	
SB-208	N		1	10/14/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	4.40E-01	2.5E+03		1.9E+02	
SB-208	N		1	10/14/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	4.40E-01	1.0E+01		2.3E+00	
SB-208	N		1	10/14/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	4.40E-01	1.6E+03		3.9E+02	
SB-208	N		1	10/14/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	4.40E-01				
SB-208	N		1	10/14/21	SVOC	Butylbenzylphthalate	85-68-7		U	4.40E-01	1.2E+04		2.9E+03	
SB-208	N		1	10/14/21	SVOC	Carbazole	86-74-8		U	2.20E-01	3.0E+04		2.4E+03	
SB-208	N		1	10/14/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	8.50E-01	8.2E+04		6.3E+03	
SB-208	N		1	10/14/21	SVOC	4-Chloroaniline	106-47-8		U	8.50E-01	1.1E+02		2.7E+01	
SB-208	N		1	10/14/21	SVOC	2-Chloronaphthalene	91-58-7		U	4.40E-01	6.0E+04		4.8E+03	
SB-208	N		1	10/14/21	SVOC	2-Chlorophenol	95-57-8		U	4.40E-01	5.8E+03		3.9E+02	
SB-208	N		1	10/14/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	4.40E-01				
SB-208	N		1	10/14/21	SVOC	Chrysene	218-01-9		U	2.20E-01	2.1E+04		1.1E+03	
SB-208	N		1	10/14/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	2.20E-01	2.1E+01		1.1E+00	
SB-208	N		1	10/14/21	SVOC	Dibenzofuran	132-64-9		U	4.40E-01	1.2E+03		7.8E+01	
SB-208	N		1	10/14/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	2.20E-01	5.1E+01		1.2E+01	
SB-208	N		1	10/14/21	SVOC	2,4-Dichlorophenol	120-83-2		U	4.40E-01	2.5E+03		1.9E+02	
SB-208	N		1	10/14/21	SVOC	Diethylphthalate	84-66-2		U	4.40E-01	6.6E+05		5.1E+04	
SB-208	N		1	10/14/21	SVOC	2,4-Dimethylphenol	105-67-9		U	4.40E-01	1.6E+04		1.3E+03	
SB-208	N		1	10/14/21	SVOC	Dimethylphthalate	131-11-3		U	4.40E-01	6.6E+05		5.1E+04	
SB-208	N		1	10/14/21	SVOC	Di-n-butylphthalate	84-74-2		U	4.40E-01	8.2E+04		6.3E+03	
SB-208	N		1	10/14/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	4.40E-01	6.6E+01		5.1E+00	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-208	N		1	10/14/21	SVOC	2,4-Dinitrophenol	51-28-5		U	8.50E-01	1.6E+03		1.3E+02	
SB-208	N		1	10/14/21	SVOC	Di-n-octylphthalate	117-84-0		U	4.40E-01	8.2E+03		6.3E+02	
SB-208	N		1	10/14/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	4.40E-01	2.9E+01		6.8E+00	
SB-208	N		1	10/14/21	SVOC	Fluoranthene	206-44-0		U	2.20E-01	3.0E+04		2.4E+03	
SB-208	N		1	10/14/21	SVOC	Fluorene	86-73-7		U	2.20E-01	3.0E+04		2.4E+03	
SB-208	N		1	10/14/21	SVOC	Hexachlorobenzene	118-74-1		U	4.40E-01	9.6E+00		7.8E-01	
SB-208	N		1	10/14/21	SVOC	Hexachlorobutadiene	87-68-3		U	4.40E-01	5.3E+01		1.2E+01	
SB-208	N		1	10/14/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	4.40E-01	7.5E+00		1.8E+00	
SB-208	N		1	10/14/21	SVOC	Hexachloroethane	67-72-1		U	4.40E-01	8.0E+01		1.8E+01	
SB-208	N		1	10/14/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	2.20E-01	2.1E+02		1.1E+01	
SB-208	N		1	10/14/21	SVOC	Isophorone	78-59-1		U	4.40E-01	2.4E+04		5.7E+03	
SB-208	N		1	10/14/21	SVOC	1-Methylnaphthalene	90-12-0		U	2.20E-01	7.3E+02		1.8E+02	
SB-208	N		1	10/14/21	SVOC	2-Methylnaphthalene	91-57-6		U	2.20E-01	3.0E+03		2.4E+02	
SB-208	N		1	10/14/21	SVOC	2-Methylphenol	95-48-7		U	4.40E-01	4.1E+04		3.2E+03	
SB-208	N		1	10/14/21	SVOC	3&4-Methylphenol	65794-96-9		U	4.40E-01				
SB-208	N		1	10/14/21	SVOC	Naphthalene	91-20-3		U	2.20E-01	8.6E+01		2.0E+01	
SB-208	N		1	10/14/21	SVOC	2-Nitroaniline	88-74-4		U	4.40E-01	8.0E+03		6.3E+02	
SB-208	N		1	10/14/21	SVOC	3-Nitroaniline	99-09-2		U	4.40E-01	1.1E+03		2.5E+02	
SB-208	N		1	10/14/21	SVOC	4-Nitroaniline	100-01-6		U	4.40E-01	1.1E+03		2.5E+02	
SB-208	N		1	10/14/21	SVOC	2-Nitrophenol	88-75-5		U	4.40E-01				
SB-208	N		1	10/14/21	SVOC	4-Nitrophenol	100-02-7		U	8.50E-01				
SB-208	N		1	10/14/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	4.40E-01	3.4E-01		2.0E-02	
SB-208	N		1	10/14/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	4.40E-01	4.7E+03		1.1E+03	
SB-208	N		1	10/14/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	4.40E-01	3.3E+00		7.8E-01	
SB-208	N		1	10/14/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	4.40E-01	4.7E+04		3.1E+03	
SB-208	N		1	10/14/21	SVOC	Pentachloronitrobenzene	82-68-8		U	4.40E-01	1.3E+02		2.7E+01	
SB-208	N		1	10/14/21	SVOC	Pentachlorophenol	87-86-5		U	4.40E-01	4.0E+01		1.0E+01	
SB-208	N		1	10/14/21	SVOC	Phenanthrene	85-01-8		U	2.20E-01	2.3E+04		1.8E+03	
SB-208	N		1	10/14/21	SVOC	Phenol	108-95-2		U	4.40E-01	2.5E+05		1.9E+04	
SB-208	N		1	10/14/21	SVOC	Pyrene	129-00-0		U	2.20E-01	2.3E+04		1.8E+03	
SB-208	N		1	10/14/21	SVOC	Pyridine	110-86-1		U	4.40E-01	1.2E+03		7.8E+01	
SB-208	N		1	10/14/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	4.40E-01	3.5E+01		2.3E+00	
SB-208	N		1	10/14/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	4.40E-01	8.2E+04		6.3E+03	
SB-208	N		1	10/14/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	4.40E-01	8.2E+02		6.3E+01	
SB-208	N		1	10/14/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	4.40E-01	7.4E+01		1.7E+01	
SB-208	N		1	10/14/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	4.40E-01	1.5E+01		3.6E+00	
SB-208	N		1	10/14/21	NITRO	Nitrobenzene	98-95-3		U	4.40E-01	2.2E+02		5.1E+01	
SB-208	N		1	10/14/21	INORG	Aluminum	7429-90-5	1.10E+04			1.1E+06	1.0E-02	7.7E+04	1.4E-01
SB-208	N		1	10/14/21	INORG	Antimony	7440-36-0		U	8.50E-01	4.7E+02		3.1E+01	
SB-208	N		1	10/14/21	INORG	Arsenic	7440-38-2	4.20E+00			3.0E+01	1.4E-01	6.8E+00	6.2E-01
SB-208	N		1	10/14/21	INORG	Barium	7440-39-3	5.30E+01			2.2E+05	2.4E-04	1.5E+04	3.5E-03
SB-208	N		1	10/14/21	INORG	Beryllium	7440-41-7	7.70E-01			2.3E+03	3.3E-04	1.6E+02	4.8E-03
SB-208	N		1	10/14/21	INORG	Cadmium	7440-43-9		U	2.10E-01	1.0E+02		7.1E+00	
SB-208	N		1	10/14/21	INORG	Chromium (total)	7440-47-3	1.70E+01			1.8E+06	9.4E-06	1.2E+05	1.4E-04

**Attachment 1-1: Soil Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-208	N		1	10/14/21	INORG	Cobalt	7440-48-4	1.50E+01			3.5E+02	4.3E-02	2.3E+01	6.5E-01
SB-208	N		1	10/14/21	INORG	Copper	7440-50-8	1.40E+01			4.7E+04	3.0E-04	3.1E+03	4.5E-03
SB-208	N		1	10/14/21	INORG	Cyanide (total)	57-12-5		U	3.40E-01	1.5E+02		2.3E+01	
SB-208	N		1	10/14/21	INORG	Iron	7439-89-6	3.50E+04			8.2E+05	4.3E-02	5.5E+04	6.4E-01
SB-208	N		1	10/14/21	INORG	Lead	7439-92-1	1.20E+01			8.0E+02	1.5E-02	2.0E+02	6.0E-02
SB-208	N		1	10/14/21	INORG	Manganese	7439-96-5	1.40E+02			2.6E+04	5.4E-03	1.8E+03	7.8E-02
SB-208	N		1	10/14/21	INORG	Mercury	7439-97-6	3.40E-02			4.1E+01	8.4E-04	7.4E+00	4.6E-03
SB-208	N		1	10/14/21	INORG	Nickel	7440-02-0	1.60E+01			2.2E+04	7.3E-04	1.5E+03	1.1E-02
SB-208	N		1	10/14/21	INORG	Selenium	7782-49-2		U	1.50E+00	5.8E+03		3.9E+02	
SB-208	N		1	10/14/21	INORG	Silver	7440-22-4		U	1.90E-01	5.8E+03		3.9E+02	
SB-208	N		1	10/14/21	INORG	Thallium	7440-28-0		U	1.00E+00	1.2E+01		7.8E-01	
SB-208	N		1	10/14/21	INORG	Vanadium	7440-62-2	3.20E+01			5.8E+03	5.5E-03	3.9E+02	8.2E-02
SB-208	N		1	10/14/21	INORG	Zinc	7440-66-6	5.00E+01			3.5E+05	1.4E-04	2.3E+04	2.2E-03
SB-208	N	5	7	10/14/21	VOC	1,2-Dichlorobenzene	95-50-1		U	4.40E-01	9.3E+03		1.8E+03	
SB-208	N	5	7	10/14/21	VOC	1,3-Dichlorobenzene	541-73-1		U	4.40E-01	1.1E+02		2.6E+01	
SB-208	N	5	7	10/14/21	VOC	1,4-Dichlorobenzene	106-46-7		U	4.40E-01	1.1E+02		2.6E+01	
SB-208	N	5	7	10/14/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	4.40E-01	2.6E+02		5.8E+01	
SB-208	N	5	7	10/14/21	SVOC	Acenaphthene	83-32-9		U	2.20E-01	4.5E+04		3.6E+03	
SB-208	N	5	7	10/14/21	SVOC	Acenaphthylene	208-96-8		U	2.20E-01	2.3E+04		1.8E+03	
SB-208	N	5	7	10/14/21	SVOC	Acetophenone	98-86-2		U	4.40E-01	1.2E+05		7.8E+03	
SB-208	N	5	7	10/14/21	SVOC	Aniline	62-53-3		U	4.40E-01	4.0E+03		4.4E+02	
SB-208	N	5	7	10/14/21	SVOC	Anthracene	120-12-7		U	2.20E-01	2.3E+05		1.8E+04	
SB-208	N	5	7	10/14/21	SVOC	Benzidine	92-87-5		U	8.60E-01	1.0E-01		5.3E-03	
SB-208	N	5	7	10/14/21	SVOC	Benzo(a)anthracene	56-55-3		U	2.20E-01	2.1E+02		1.1E+01	
SB-208	N	5	7	10/14/21	SVOC	Benzo(a)pyrene	50-32-8		U	2.20E-01	2.1E+01		1.1E+00	
SB-208	N	5	7	10/14/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	2.20E-01	2.1E+02		1.1E+01	
SB-208	N	5	7	10/14/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	2.20E-01	2.3E+04		1.8E+03	
SB-208	N	5	7	10/14/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	2.20E-01	2.1E+03		1.1E+02	
SB-208	N	5	7	10/14/21	SVOC	Benzoic Acid	65-85-0		U	1.30E+00	3.3E+06		2.5E+05	
SB-208	N	5	7	10/14/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	4.40E-01	2.5E+03		1.9E+02	
SB-208	N	5	7	10/14/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	4.40E-01	1.0E+01		2.3E+00	
SB-208	N	5	7	10/14/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	4.40E-01	1.6E+03		3.9E+02	
SB-208	N	5	7	10/14/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	4.40E-01				
SB-208	N	5	7	10/14/21	SVOC	Butylbenzylphthalate	85-68-7		U	4.40E-01	1.2E+04		2.9E+03	
SB-208	N	5	7	10/14/21	SVOC	Carbazole	86-74-8		U	2.20E-01	3.0E+04		2.4E+03	
SB-208	N	5	7	10/14/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	8.60E-01	8.2E+04		6.3E+03	
SB-208	N	5	7	10/14/21	SVOC	4-Chloroaniline	106-47-8		U	8.60E-01	1.1E+02		2.7E+01	
SB-208	N	5	7	10/14/21	SVOC	2-Chloronaphthalene	91-58-7		U	4.40E-01	6.0E+04		4.8E+03	
SB-208	N	5	7	10/14/21	SVOC	2-Chlorophenol	95-57-8		U	4.40E-01	5.8E+03		3.9E+02	
SB-208	N	5	7	10/14/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	4.40E-01				
SB-208	N	5	7	10/14/21	SVOC	Chrysene	218-01-9		U	2.20E-01	2.1E+04		1.1E+03	
SB-208	N	5	7	10/14/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	2.20E-01	2.1E+01		1.1E+00	
SB-208	N	5	7	10/14/21	SVOC	Dibenzofuran	132-64-9		U	4.40E-01	1.2E+03		7.8E+01	
SB-208	N	5	7	10/14/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	2.20E-01	5.1E+01		1.2E+01	



**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-208	N	5	7	10/14/21	SVOC	2,4-Dichlorophenol	120-83-2		U	4.40E-01	2.5E+03		1.9E+02	
SB-208	N	5	7	10/14/21	SVOC	Diethylphthalate	84-66-2		U	4.40E-01	6.6E+05		5.1E+04	
SB-208	N	5	7	10/14/21	SVOC	2,4-Dimethylphenol	105-67-9		U	4.40E-01	1.6E+04		1.3E+03	
SB-208	N	5	7	10/14/21	SVOC	Dimethylphthalate	131-11-3		U	4.40E-01	6.6E+05		5.1E+04	
SB-208	N	5	7	10/14/21	SVOC	Di-n-butylphthalate	84-74-2		U	4.40E-01	8.2E+04		6.3E+03	
SB-208	N	5	7	10/14/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	4.40E-01	6.6E+01		5.1E+00	
SB-208	N	5	7	10/14/21	SVOC	2,4-Dinitrophenol	51-28-5		U	8.60E-01	1.6E+03		1.3E+02	
SB-208	N	5	7	10/14/21	SVOC	Di-n-octylphthalate	117-84-0		U	4.40E-01	8.2E+03		6.3E+02	
SB-208	N	5	7	10/14/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	4.40E-01	2.9E+01		6.8E+00	
SB-208	N	5	7	10/14/21	SVOC	Fluoranthene	206-44-0		U	2.20E-01	3.0E+04		2.4E+03	
SB-208	N	5	7	10/14/21	SVOC	Fluorene	86-73-7		U	2.20E-01	3.0E+04		2.4E+03	
SB-208	N	5	7	10/14/21	SVOC	Hexachlorobenzene	118-74-1		U	4.40E-01	9.6E+00		7.8E-01	
SB-208	N	5	7	10/14/21	SVOC	Hexachlorobutadiene	87-68-3		U	4.40E-01	5.3E+01		1.2E+01	
SB-208	N	5	7	10/14/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	4.40E-01	7.5E+00		1.8E+00	
SB-208	N	5	7	10/14/21	SVOC	Hexachloroethane	67-72-1		U	4.40E-01	8.0E+01		1.8E+01	
SB-208	N	5	7	10/14/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	2.20E-01	2.1E+02		1.1E+01	
SB-208	N	5	7	10/14/21	SVOC	Isophorone	78-59-1		U	4.40E-01	2.4E+04		5.7E+03	
SB-208	N	5	7	10/14/21	SVOC	1-Methylnaphthalene	90-12-0		U	2.20E-01	7.3E+02		1.8E+02	
SB-208	N	5	7	10/14/21	SVOC	2-Methylnaphthalene	91-57-6		U	2.20E-01	3.0E+03		2.4E+02	
SB-208	N	5	7	10/14/21	SVOC	2-Methylphenol	95-48-7		U	4.40E-01	4.1E+04		3.2E+03	
SB-208	N	5	7	10/14/21	SVOC	3&4-Methylphenol	65794-96-9		U	4.40E-01				
SB-208	N	5	7	10/14/21	SVOC	Naphthalene	91-20-3		U	2.20E-01	8.6E+01		2.0E+01	
SB-208	N	5	7	10/14/21	SVOC	2-Nitroaniline	88-74-4		U	4.40E-01	8.0E+03		6.3E+02	
SB-208	N	5	7	10/14/21	SVOC	3-Nitroaniline	99-09-2		U	4.40E-01	1.1E+03		2.5E+02	
SB-208	N	5	7	10/14/21	SVOC	4-Nitroaniline	100-01-6		U	4.40E-01	1.1E+03		2.5E+02	
SB-208	N	5	7	10/14/21	SVOC	2-Nitrophenol	88-75-5		U	4.40E-01				
SB-208	N	5	7	10/14/21	SVOC	4-Nitrophenol	100-02-7		U	8.60E-01				
SB-208	N	5	7	10/14/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	4.40E-01	3.4E-01		2.0E-02	
SB-208	N	5	7	10/14/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	4.40E-01	4.7E+03		1.1E+03	
SB-208	N	5	7	10/14/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	4.40E-01	3.3E+00		7.8E-01	
SB-208	N	5	7	10/14/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	4.40E-01	4.7E+04		3.1E+03	
SB-208	N	5	7	10/14/21	SVOC	Pentachloronitrobenzene	82-68-8		U	4.40E-01	1.3E+02		2.7E+01	
SB-208	N	5	7	10/14/21	SVOC	Pentachlorophenol	87-86-5		U	4.40E-01	4.0E+01		1.0E+01	
SB-208	N	5	7	10/14/21	SVOC	Phenanthrene	85-01-8		U	2.20E-01	2.3E+04		1.8E+03	
SB-208	N	5	7	10/14/21	SVOC	Phenol	108-95-2		U	4.40E-01	2.5E+05		1.9E+04	
SB-208	N	5	7	10/14/21	SVOC	Pyrene	129-00-0		U	2.20E-01	2.3E+04		1.8E+03	
SB-208	N	5	7	10/14/21	SVOC	Pyridine	110-86-1		U	4.40E-01	1.2E+03		7.8E+01	
SB-208	N	5	7	10/14/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	4.40E-01	3.5E+01		2.3E+00	
SB-208	N	5	7	10/14/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	4.40E-01	8.2E+04		6.3E+03	
SB-208	N	5	7	10/14/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	4.40E-01	8.2E+02		6.3E+01	
SB-208	N	5	7	10/14/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	4.40E-01	7.4E+01		1.7E+01	
SB-208	N	5	7	10/14/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	4.40E-01	1.5E+01		3.6E+00	
SB-208	N	5	7	10/14/21	NITRO	Nitrobenzene	98-95-3		U	4.40E-01	2.2E+02		5.1E+01	
SB-208	N	5	7	10/14/21	INORG	Aluminum	7429-90-5	1.00E+04			1.1E+06	9.1E-03	7.7E+04	1.3E-01

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-208	N	5	7	10/14/21	INORG	Antimony	7440-36-0		U	8.40E-01	4.7E+02		3.1E+01	
SB-208	N	5	7	10/14/21	INORG	Arsenic	7440-38-2	5.80E+00			3.0E+01	1.9E-01	6.8E+00	8.5E-01
SB-208	N	5	7	10/14/21	INORG	Barium	7440-39-3	3.80E+01			2.2E+05	1.7E-04	1.5E+04	2.5E-03
SB-208	N	5	7	10/14/21	INORG	Beryllium	7440-41-7	6.20E-01			2.3E+03	2.7E-04	1.6E+02	3.9E-03
SB-208	N	5	7	10/14/21	INORG	Cadmium	7440-43-9		U	2.10E-01	1.0E+02		7.1E+00	
SB-208	N	5	7	10/14/21	INORG	Chromium (total)	7440-47-3	1.70E+01			1.8E+06	9.4E-06	1.2E+05	1.4E-04
SB-208	N	5	7	10/14/21	INORG	Cobalt	7440-48-4	6.40E+00			3.5E+02	1.8E-02	2.3E+01	2.8E-01
SB-208	N	5	7	10/14/21	INORG	Copper	7440-50-8	1.50E+01			4.7E+04	3.2E-04	3.1E+03	4.8E-03
SB-208	N	5	7	10/14/21	INORG	Cyanide (total)	57-12-5		U	3.30E-01	1.5E+02		2.3E+01	
SB-208	N	5	7	10/14/21	INORG	Iron	7439-89-6	3.30E+04			8.2E+05	4.0E-02	5.5E+04	6.0E-01
SB-208	N	5	7	10/14/21	INORG	Lead	7439-92-1	1.10E+01			8.0E+02	1.4E-02	2.0E+02	5.5E-02
SB-208	N	5	7	10/14/21	INORG	Manganese	7439-96-5	1.00E+02			2.6E+04	3.8E-03	1.8E+03	5.6E-02
SB-208	N	5	7	10/14/21	INORG	Mercury	7439-97-6		U	1.10E-02	4.1E+01		7.4E+00	
SB-208	N	5	7	10/14/21	INORG	Nickel	7440-02-0	1.20E+01			2.2E+04	5.5E-04	1.5E+03	8.0E-03
SB-208	N	5	7	10/14/21	INORG	Selenium	7782-49-2		U	1.50E+00	5.8E+03		3.9E+02	
SB-208	N	5	7	10/14/21	INORG	Silver	7440-22-4		U	1.90E-01	5.8E+03		3.9E+02	
SB-208	N	5	7	10/14/21	INORG	Thallium	7440-28-0		U	1.00E+00	1.2E+01		7.8E-01	
SB-208	N	5	7	10/14/21	INORG	Vanadium	7440-62-2	2.60E+01			5.8E+03	4.5E-03	3.9E+02	6.7E-02
SB-208	N	5	7	10/14/21	INORG	Zinc	7440-66-6	3.30E+01			3.5E+05	9.4E-05	2.3E+04	1.4E-03
SB-208	N	18	20	10/14/21	VOC	1,2-Dichlorobenzene	95-50-1		U	4.20E-01	9.3E+03		1.8E+03	
SB-208	N	18	20	10/14/21	VOC	1,3-Dichlorobenzene	541-73-1		U	4.20E-01	1.1E+02		2.6E+01	
SB-208	N	18	20	10/14/21	VOC	1,4-Dichlorobenzene	106-46-7		U	4.20E-01	1.1E+02		2.6E+01	
SB-208	N	18	20	10/14/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	4.20E-01	2.6E+02		5.8E+01	
SB-208	N	18	20	10/14/21	SVOC	Acenaphthene	83-32-9		U	2.10E-01	4.5E+04		3.6E+03	
SB-208	N	18	20	10/14/21	SVOC	Acenaphthylene	208-96-8		U	2.10E-01	2.3E+04		1.8E+03	
SB-208	N	18	20	10/14/21	SVOC	Acetophenone	98-86-2		U	4.20E-01	1.2E+05		7.8E+03	
SB-208	N	18	20	10/14/21	SVOC	Aniline	62-53-3		U	4.20E-01	4.0E+03		4.4E+02	
SB-208	N	18	20	10/14/21	SVOC	Anthracene	120-12-7		U	2.10E-01	2.3E+05		1.8E+04	
SB-208	N	18	20	10/14/21	SVOC	Benzidine	92-87-5		U	8.10E-01	1.0E-01		5.3E-03	
SB-208	N	18	20	10/14/21	SVOC	Benzo(a)anthracene	56-55-3		U	2.10E-01	2.1E+02		1.1E+01	
SB-208	N	18	20	10/14/21	SVOC	Benzo(a)pyrene	50-32-8		U	2.10E-01	2.1E+01		1.1E+00	
SB-208	N	18	20	10/14/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	2.10E-01	2.1E+02		1.1E+01	
SB-208	N	18	20	10/14/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	2.10E-01	2.3E+04		1.8E+03	
SB-208	N	18	20	10/14/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	2.10E-01	2.1E+03		1.1E+02	
SB-208	N	18	20	10/14/21	SVOC	Benzoic Acid	65-85-0		U	1.20E+00	3.3E+06		2.5E+05	
SB-208	N	18	20	10/14/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	4.20E-01	2.5E+03		1.9E+02	
SB-208	N	18	20	10/14/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	4.20E-01	1.0E+01		2.3E+00	
SB-208	N	18	20	10/14/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	4.20E-01	1.6E+03		3.9E+02	
SB-208	N	18	20	10/14/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	4.20E-01				
SB-208	N	18	20	10/14/21	SVOC	Butylbenzylphthalate	85-68-7		U	4.20E-01	1.2E+04		2.9E+03	
SB-208	N	18	20	10/14/21	SVOC	Carbazole	86-74-8		U	2.10E-01	3.0E+04		2.4E+03	
SB-208	N	18	20	10/14/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	8.10E-01	8.2E+04		6.3E+03	
SB-208	N	18	20	10/14/21	SVOC	4-Chloroaniline	106-47-8		U	8.10E-01	1.1E+02		2.7E+01	
SB-208	N	18	20	10/14/21	SVOC	2-Chloronaphthalene	91-58-7		U	4.20E-01	6.0E+04		4.8E+03	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Ratio of Conc to Residential RSLs
SB-208	N	18	20	10/14/21	SVOC	2-Chlorophenol	95-57-8		U	4.20E-01	5.8E+03	3.9E+02		
SB-208	N	18	20	10/14/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	4.20E-01				
SB-208	N	18	20	10/14/21	SVOC	Chrysene	218-01-9		U	2.10E-01	2.1E+04	1.1E+03		
SB-208	N	18	20	10/14/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	2.10E-01	2.1E+01	1.1E+00		
SB-208	N	18	20	10/14/21	SVOC	Dibenzofuran	132-64-9		U	4.20E-01	1.2E+03	7.8E+01		
SB-208	N	18	20	10/14/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	2.10E-01	5.1E+01	1.2E+01		
SB-208	N	18	20	10/14/21	SVOC	2,4-Dichlorophenol	120-83-2		U	4.20E-01	2.5E+03	1.9E+02		
SB-208	N	18	20	10/14/21	SVOC	Diethylphthalate	84-66-2		U	4.20E-01	6.6E+05	5.1E+04		
SB-208	N	18	20	10/14/21	SVOC	2,4-Dimethylphenol	105-67-9		U	4.20E-01	1.6E+04	1.3E+03		
SB-208	N	18	20	10/14/21	SVOC	Dimethylphthalate	131-11-3		U	4.20E-01	6.6E+05	5.1E+04		
SB-208	N	18	20	10/14/21	SVOC	Di-n-butylphthalate	84-74-2		U	4.20E-01	8.2E+04	6.3E+03		
SB-208	N	18	20	10/14/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	4.20E-01	6.6E+01	5.1E+00		
SB-208	N	18	20	10/14/21	SVOC	2,4-Dinitrophenol	51-28-5		U	8.10E-01	1.6E+03	1.3E+02		
SB-208	N	18	20	10/14/21	SVOC	Di-n-octylphthalate	117-84-0		U	4.20E-01	8.2E+03	6.3E+02		
SB-208	N	18	20	10/14/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	4.20E-01	2.9E+01	6.8E+00		
SB-208	N	18	20	10/14/21	SVOC	Fluoranthene	206-44-0		U	2.10E-01	3.0E+04	2.4E+03		
SB-208	N	18	20	10/14/21	SVOC	Fluorene	86-73-7		U	2.10E-01	3.0E+04	2.4E+03		
SB-208	N	18	20	10/14/21	SVOC	Hexachlorobenzene	118-74-1		U	4.20E-01	9.6E+00	7.8E-01		
SB-208	N	18	20	10/14/21	SVOC	Hexachlorobutadiene	87-68-3		U	4.20E-01	5.3E+01	1.2E+01		
SB-208	N	18	20	10/14/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	4.20E-01	7.5E+00	1.8E+00		
SB-208	N	18	20	10/14/21	SVOC	Hexachloroethane	67-72-1		U	4.20E-01	8.0E+01	1.8E+01		
SB-208	N	18	20	10/14/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	2.10E-01	2.1E+02	1.1E+01		
SB-208	N	18	20	10/14/21	SVOC	Isophorone	78-59-1		U	4.20E-01	2.4E+04	5.7E+03		
SB-208	N	18	20	10/14/21	SVOC	1-Methylnaphthalene	90-12-0		U	2.10E-01	7.3E+02	1.8E+02		
SB-208	N	18	20	10/14/21	SVOC	2-Methylnaphthalene	91-57-6		U	2.10E-01	3.0E+03	2.4E+02		
SB-208	N	18	20	10/14/21	SVOC	2-Methylphenol	95-48-7		U	4.20E-01	4.1E+04	3.2E+03		
SB-208	N	18	20	10/14/21	SVOC	3&4-Methylphenol	65794-96-9		U	4.20E-01				
SB-208	N	18	20	10/14/21	SVOC	Naphthalene	91-20-3		U	2.10E-01	8.6E+01	2.0E+01		
SB-208	N	18	20	10/14/21	SVOC	2-Nitroaniline	88-74-4		U	4.20E-01	8.0E+03	6.3E+02		
SB-208	N	18	20	10/14/21	SVOC	3-Nitroaniline	99-09-2		U	4.20E-01	1.1E+03	2.5E+02		
SB-208	N	18	20	10/14/21	SVOC	4-Nitroaniline	100-01-6		U	4.20E-01	1.1E+03	2.5E+02		
SB-208	N	18	20	10/14/21	SVOC	2-Nitrophenol	88-75-5		U	4.20E-01				
SB-208	N	18	20	10/14/21	SVOC	4-Nitrophenol	100-02-7		U	8.10E-01				
SB-208	N	18	20	10/14/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	4.20E-01	3.4E-01	2.0E-02		
SB-208	N	18	20	10/14/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	4.20E-01	4.7E+03	1.1E+03		
SB-208	N	18	20	10/14/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	4.20E-01	3.3E+00	7.8E-01		
SB-208	N	18	20	10/14/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	4.20E-01	4.7E+04	3.1E+03		
SB-208	N	18	20	10/14/21	SVOC	Pentachloronitrobenzene	82-68-8		U	4.20E-01	1.3E+02	2.7E+01		
SB-208	N	18	20	10/14/21	SVOC	Pentachlorophenol	87-86-5		U	4.20E-01	4.0E+01	1.0E+01		
SB-208	N	18	20	10/14/21	SVOC	Phenanthrene	85-01-8		U	2.10E-01	2.3E+04	1.8E+03		
SB-208	N	18	20	10/14/21	SVOC	Phenol	108-95-2		U	4.20E-01	2.5E+05	1.9E+04		
SB-208	N	18	20	10/14/21	SVOC	Pyrene	129-00-0		U	2.10E-01	2.3E+04	1.8E+03		
SB-208	N	18	20	10/14/21	SVOC	Pyridine	110-86-1		U	4.20E-01	1.2E+03	7.8E+01		
SB-208	N	18	20	10/14/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	4.20E-01	3.5E+01	2.3E+00		

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-208	N	18	20	10/14/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	4.20E-01	8.2E+04		6.3E+03	
SB-208	N	18	20	10/14/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	4.20E-01	8.2E+02		6.3E+01	
SB-208	N	18	20	10/14/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	4.20E-01	7.4E+01		1.7E+01	
SB-208	N	18	20	10/14/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	4.20E-01	1.5E+01		3.6E+00	
SB-208	N	18	20	10/14/21	NITRO	Nitrobenzene	98-95-3		U	4.20E-01	2.2E+02		5.1E+01	
SB-208	N	18	20	10/14/21	INORG	Aluminum	7429-90-5	4.50E+03			1.1E+06	4.1E-03	7.7E+04	5.8E-02
SB-208	N	18	20	10/14/21	INORG	Antimony	7440-36-0		U	8.10E-01	4.7E+02		3.1E+01	
SB-208	N	18	20	10/14/21	INORG	Arsenic	7440-38-2	4.50E+00			3.0E+01	1.5E-01	6.8E+00	6.6E-01
SB-208	N	18	20	10/14/21	INORG	Barium	7440-39-3	3.20E+01			2.2E+05	1.5E-04	1.5E+04	2.1E-03
SB-208	N	18	20	10/14/21	INORG	Beryllium	7440-41-7	5.80E-01			2.3E+03	2.5E-04	1.6E+02	3.6E-03
SB-208	N	18	20	10/14/21	INORG	Cadmium	7440-43-9		U	2.00E-01	1.0E+02		7.1E+00	
SB-208	N	18	20	10/14/21	INORG	Chromium (total)	7440-47-3	1.50E+01			1.8E+06	8.3E-06	1.2E+05	1.3E-04
SB-208	N	18	20	10/14/21	INORG	Cobalt	7440-48-4	9.50E+00			3.5E+02	2.7E-02	2.3E+01	4.1E-01
SB-208	N	18	20	10/14/21	INORG	Copper	7440-50-8	1.20E+01			4.7E+04	2.6E-04	3.1E+03	3.9E-03
SB-208	N	18	20	10/14/21	INORG	Cyanide (total)	57-12-5		U	3.40E-01	1.5E+02		2.3E+01	
SB-208	N	18	20	10/14/21	INORG	Iron	7439-89-6	2.60E+04			8.2E+05	3.2E-02	5.5E+04	4.7E-01
SB-208	N	18	20	10/14/21	INORG	Lead	7439-92-1	5.50E+00			8.0E+02	6.9E-03	2.0E+02	2.8E-02
SB-208	N	18	20	10/14/21	INORG	Manganese	7439-96-5	1.10E+02			2.6E+04	4.2E-03	1.8E+03	6.1E-02
SB-208	N	18	20	10/14/21	INORG	Mercury	7439-97-6		U	1.10E-02	4.1E+01		7.4E+00	
SB-208	N	18	20	10/14/21	INORG	Nickel	7440-02-0	1.20E+01			2.2E+04	5.5E-04	1.5E+03	8.0E-03
SB-208	N	18	20	10/14/21	INORG	Selenium	7782-49-2		U	1.40E+00	5.8E+03		3.9E+02	
SB-208	N	18	20	10/14/21	INORG	Silver	7440-22-4		U	1.80E-01	5.8E+03		3.9E+02	
SB-208	N	18	20	10/14/21	INORG	Thallium	7440-28-0		U	9.60E-01	1.2E+01		7.8E-01	
SB-208	N	18	20	10/14/21	INORG	Vanadium	7440-62-2	2.80E+01			5.8E+03	4.8E-03	3.9E+02	7.2E-02
SB-208	N	18	20	10/14/21	INORG	Zinc	7440-66-6	2.40E+01			3.5E+05	6.9E-05	2.3E+04	1.0E-03
SB-209	N		1	10/13/21	VOC	1,2-Dichlorobenzene	95-50-1		U	4.00E-01	9.3E+03		1.8E+03	
SB-209	N		1	10/13/21	VOC	1,3-Dichlorobenzene	541-73-1		U	4.00E-01	1.1E+02		2.6E+01	
SB-209	N		1	10/13/21	VOC	1,4-Dichlorobenzene	106-46-7		U	4.00E-01	1.1E+02		2.6E+01	
SB-209	N		1	10/13/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	4.00E-01	2.6E+02		5.8E+01	
SB-209	N		1	10/13/21	SVOC	Acenaphthene	83-32-9		U	2.00E-01	4.5E+04		3.6E+03	
SB-209	N		1	10/13/21	SVOC	Acenaphthylene	208-96-8		U	2.00E-01	2.3E+04		1.8E+03	
SB-209	N		1	10/13/21	SVOC	Acetophenone	98-86-2		U	4.00E-01	1.2E+05		7.8E+03	
SB-209	N		1	10/13/21	SVOC	Aniline	62-53-3		U	4.00E-01	4.0E+03		4.4E+02	
SB-209	N		1	10/13/21	SVOC	Anthracene	120-12-7		U	2.00E-01	2.3E+05		1.8E+04	
SB-209	N		1	10/13/21	SVOC	Benzidine	92-87-5		U	7.70E-01	1.0E-01		5.3E-03	
SB-209	N		1	10/13/21	SVOC	Benzo(a)anthracene	56-55-3		U	2.00E-01	2.1E+02		1.1E+01	
SB-209	N		1	10/13/21	SVOC	Benzo(a)pyrene	50-32-8		U	2.00E-01	2.1E+01		1.1E+00	
SB-209	N		1	10/13/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	2.00E-01	2.1E+02		1.1E+01	
SB-209	N		1	10/13/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	2.00E-01	2.3E+04		1.8E+03	
SB-209	N		1	10/13/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	2.00E-01	2.1E+03		1.1E+02	
SB-209	N		1	10/13/21	SVOC	Benzoic Acid	65-85-0		U	1.20E+00	3.3E+06		2.5E+05	
SB-209	N		1	10/13/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	4.00E-01	2.5E+03		1.9E+02	
SB-209	N		1	10/13/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	4.00E-01	1.0E+01		2.3E+00	
SB-209	N		1	10/13/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	4.00E-01	1.6E+03		3.9E+02	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-209	N		1	10/13/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	4.00E-01				
SB-209	N		1	10/13/21	SVOC	Butylbenzylphthalate	85-68-7		U	4.00E-01	1.2E+04		2.9E+03	
SB-209	N		1	10/13/21	SVOC	Carbazole	86-74-8		U	2.00E-01	3.0E+04		2.4E+03	
SB-209	N		1	10/13/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.70E-01	8.2E+04		6.3E+03	
SB-209	N		1	10/13/21	SVOC	4-Chloroaniline	106-47-8		U	7.70E-01	1.1E+02		2.7E+01	
SB-209	N		1	10/13/21	SVOC	2-Chloronaphthalene	91-58-7		U	4.00E-01	6.0E+04		4.8E+03	
SB-209	N		1	10/13/21	SVOC	2-Chlorophenol	95-57-8		U	4.00E-01	5.8E+03		3.9E+02	
SB-209	N		1	10/13/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	4.00E-01				
SB-209	N		1	10/13/21	SVOC	Chrysene	218-01-9		U	2.00E-01	2.1E+04		1.1E+03	
SB-209	N		1	10/13/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	2.00E-01	2.1E+01		1.1E+00	
SB-209	N		1	10/13/21	SVOC	Dibenzofuran	132-64-9		U	4.00E-01	1.2E+03		7.8E+01	
SB-209	N		1	10/13/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	2.00E-01	5.1E+01		1.2E+01	
SB-209	N		1	10/13/21	SVOC	2,4-Dichlorophenol	120-83-2		U	4.00E-01	2.5E+03		1.9E+02	
SB-209	N		1	10/13/21	SVOC	Diethylphthalate	84-66-2		U	4.00E-01	6.6E+05		5.1E+04	
SB-209	N		1	10/13/21	SVOC	2,4-Dimethylphenol	105-67-9		U	4.00E-01	1.6E+04		1.3E+03	
SB-209	N		1	10/13/21	SVOC	Dimethylphthalate	131-11-3		U	4.00E-01	6.6E+05		5.1E+04	
SB-209	N		1	10/13/21	SVOC	Di-n-butylphthalate	84-74-2		U	4.00E-01	8.2E+04		6.3E+03	
SB-209	N		1	10/13/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	4.00E-01	6.6E+01		5.1E+00	
SB-209	N		1	10/13/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.70E-01	1.6E+03		1.3E+02	
SB-209	N		1	10/13/21	SVOC	Di-n-octylphthalate	117-84-0		U	4.00E-01	8.2E+03		6.3E+02	
SB-209	N		1	10/13/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	4.00E-01	2.9E+01		6.8E+00	
SB-209	N		1	10/13/21	SVOC	Fluoranthene	206-44-0		U	2.00E-01	3.0E+04		2.4E+03	
SB-209	N		1	10/13/21	SVOC	Fluorene	86-73-7		U	2.00E-01	3.0E+04		2.4E+03	
SB-209	N		1	10/13/21	SVOC	Hexachlorobenzene	118-74-1		U	4.00E-01	9.6E+00		7.8E-01	
SB-209	N		1	10/13/21	SVOC	Hexachlorobutadiene	87-68-3		U	4.00E-01	5.3E+01		1.2E+01	
SB-209	N		1	10/13/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	4.00E-01	7.5E+00		1.8E+00	
SB-209	N		1	10/13/21	SVOC	Hexachloroethane	67-72-1		U	4.00E-01	8.0E+01		1.8E+01	
SB-209	N		1	10/13/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	2.00E-01	2.1E+02		1.1E+01	
SB-209	N		1	10/13/21	SVOC	Isophorone	78-59-1		U	4.00E-01	2.4E+04		5.7E+03	
SB-209	N		1	10/13/21	SVOC	1-Methylnaphthalene	90-12-0	1.10E-01	J	2.00E-01	7.3E+02	1.5E-04	1.8E+02	6.1E-04
SB-209	N		1	10/13/21	SVOC	2-Methylnaphthalene	91-57-6	1.60E-01	J	2.00E-01	3.0E+03	5.3E-05	2.4E+02	6.7E-04
SB-209	N		1	10/13/21	SVOC	2-Methylphenol	95-48-7		U	4.00E-01	4.1E+04		3.2E+03	
SB-209	N		1	10/13/21	SVOC	3&4-Methylphenol	65794-96-9		U	4.00E-01				
SB-209	N		1	10/13/21	SVOC	Naphthalene	91-20-3	9.40E-02	J	2.00E-01	8.6E+01	1.1E-03	2.0E+01	4.7E-03
SB-209	N		1	10/13/21	SVOC	2-Nitroaniline	88-74-4		U	4.00E-01	8.0E+03		6.3E+02	
SB-209	N		1	10/13/21	SVOC	3-Nitroaniline	99-09-2		U	4.00E-01	1.1E+03		2.5E+02	
SB-209	N		1	10/13/21	SVOC	4-Nitroaniline	100-01-6		U	4.00E-01	1.1E+03		2.5E+02	
SB-209	N		1	10/13/21	SVOC	2-Nitrophenol	88-75-5		U	4.00E-01				
SB-209	N		1	10/13/21	SVOC	4-Nitrophenol	100-02-7		U	7.70E-01				
SB-209	N		1	10/13/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	4.00E-01	3.4E-01		2.0E-02	
SB-209	N		1	10/13/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	4.00E-01	4.7E+03		1.1E+03	
SB-209	N		1	10/13/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	4.00E-01	3.3E+00		7.8E-01	
SB-209	N		1	10/13/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	4.00E-01	4.7E+04		3.1E+03	
SB-209	N		1	10/13/21	SVOC	Pentachloronitrobenzene	82-68-8		U	4.00E-01	1.3E+02		2.7E+01	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-209	N		1	10/13/21	SVOC	Pentachlorophenol	87-86-5		U	4.00E-01	4.0E+01		1.0E+01	
SB-209	N		1	10/13/21	SVOC	Phenanthrene	85-01-8	1.00E-01	J	2.00E-01	2.3E+04	4.3E-06	1.8E+03	5.6E-05
SB-209	N		1	10/13/21	SVOC	Phenol	108-95-2		U	4.00E-01	2.5E+05		1.9E+04	
SB-209	N		1	10/13/21	SVOC	Pyrene	129-00-0		U	2.00E-01	2.3E+04		1.8E+03	
SB-209	N		1	10/13/21	SVOC	Pyridine	110-86-1		U	4.00E-01	1.2E+03		7.8E+01	
SB-209	N		1	10/13/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	4.00E-01	3.5E+01		2.3E+00	
SB-209	N		1	10/13/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	4.00E-01	8.2E+04		6.3E+03	
SB-209	N		1	10/13/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	4.00E-01	8.2E+02		6.3E+01	
SB-209	N		1	10/13/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	4.00E-01	7.4E+01		1.7E+01	
SB-209	N		1	10/13/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	4.00E-01	1.5E+01		3.6E+00	
SB-209	N		1	10/13/21	NITRO	Nitrobenzene	98-95-3		U	4.00E-01	2.2E+02		5.1E+01	
SB-209	N		1	10/13/21	INORG	Aluminum	7429-90-5	1.30E+04			1.1E+06	1.2E-02	7.7E+04	1.7E-01
SB-209	N		1	10/13/21	INORG	Antimony	7440-36-0		U	7.70E-01	4.7E+02		3.1E+01	
SB-209	N		1	10/13/21	INORG	Arsenic	7440-38-2	4.10E+00			3.0E+01	1.4E-01	6.8E+00	6.0E-01
SB-209	N		1	10/13/21	INORG	Barium	7440-39-3	7.50E+01			2.2E+05	3.4E-04	1.5E+04	5.0E-03
SB-209	N		1	10/13/21	INORG	Beryllium	7440-41-7	8.10E-01			2.3E+03	3.5E-04	1.6E+02	5.1E-03
SB-209	N		1	10/13/21	INORG	Cadmium	7440-43-9		U	1.90E-01	1.0E+02		7.1E+00	
SB-209	N		1	10/13/21	INORG	Chromium (total)	7440-47-3	2.30E+01			1.8E+06	1.3E-05	1.2E+05	1.9E-04
SB-209	N		1	10/13/21	INORG	Cobalt	7440-48-4	1.50E+01			3.5E+02	4.3E-02	2.3E+01	6.5E-01
SB-209	N		1	10/13/21	INORG	Copper	7440-50-8	1.80E+01			4.7E+04	3.8E-04	3.1E+03	5.8E-03
SB-209	N		1	10/13/21	INORG	Cyanide (total)	57-12-5		U	3.90E-01	1.5E+02		2.3E+01	
SB-209	N		1	10/13/21	INORG	Iron	7439-89-6	3.80E+04			8.2E+05	4.6E-02	5.5E+04	6.9E-01
SB-209	N		1	10/13/21	INORG	Lead	7439-92-1	1.90E+01			8.0E+02	2.4E-02	2.0E+02	9.5E-02
SB-209	N		1	10/13/21	INORG	Manganese	7439-96-5	6.00E+02			2.6E+04	2.3E-02	1.8E+03	3.3E-01
SB-209	N		1	10/13/21	INORG	Mercury	7439-97-6	4.00E-02			4.1E+01	9.8E-04	7.4E+00	5.4E-03
SB-209	N		1	10/13/21	INORG	Nickel	7440-02-0	1.30E+01			2.2E+04	5.9E-04	1.5E+03	8.7E-03
SB-209	N		1	10/13/21	INORG	Selenium	7782-49-2		U	1.40E+00	5.8E+03		3.9E+02	
SB-209	N		1	10/13/21	INORG	Silver	7440-22-4		U	1.70E-01	5.8E+03		3.9E+02	
SB-209	N		1	10/13/21	INORG	Thallium	7440-28-0		U	9.20E-01	1.2E+01		7.8E-01	
SB-209	N		1	10/13/21	INORG	Vanadium	7440-62-2	4.00E+01			5.8E+03	6.9E-03	3.9E+02	1.0E-01
SB-209	N		1	10/13/21	INORG	Zinc	7440-66-6	5.10E+01			3.5E+05	1.5E-04	2.3E+04	2.2E-03
SB-209	N	5	7	10/13/21	VOC	1,2-Dichlorobenzene	95-50-1		U	4.10E-01	9.3E+03		1.8E+03	
SB-209	N	5	7	10/13/21	VOC	1,3-Dichlorobenzene	541-73-1		U	4.10E-01	1.1E+02		2.6E+01	
SB-209	N	5	7	10/13/21	VOC	1,4-Dichlorobenzene	106-46-7		U	4.10E-01	1.1E+02		2.6E+01	
SB-209	N	5	7	10/13/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	4.10E-01	2.6E+02		5.8E+01	
SB-209	N	5	7	10/13/21	SVOC	Acenaphthene	83-32-9		U	2.10E-01	4.5E+04		3.6E+03	
SB-209	N	5	7	10/13/21	SVOC	Acenaphthylene	208-96-8		U	2.10E-01	2.3E+04		1.8E+03	
SB-209	N	5	7	10/13/21	SVOC	Acetophenone	98-86-2		U	4.10E-01	1.2E+05		7.8E+03	
SB-209	N	5	7	10/13/21	SVOC	Aniline	62-53-3		U	4.10E-01	4.0E+03		4.4E+02	
SB-209	N	5	7	10/13/21	SVOC	Anthracene	120-12-7		U	2.10E-01	2.3E+05		1.8E+04	
SB-209	N	5	7	10/13/21	SVOC	Benzidine	92-87-5		U	8.00E-01	1.0E-01		5.3E-03	
SB-209	N	5	7	10/13/21	SVOC	Benzo(a)anthracene	56-55-3		U	2.10E-01	2.1E+02		1.1E+01	
SB-209	N	5	7	10/13/21	SVOC	Benzo(a)pyrene	50-32-8		U	2.10E-01	2.1E+01		1.1E+00	
SB-209	N	5	7	10/13/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	2.10E-01	2.1E+02		1.1E+01	



**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-209	N	5	7	10/13/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	2.10E-01	2.3E+04		1.8E+03	
SB-209	N	5	7	10/13/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	2.10E-01	2.1E+03		1.1E+02	
SB-209	N	5	7	10/13/21	SVOC	Benzoic Acid	65-85-0		U	1.20E+00	3.3E+06		2.5E+05	
SB-209	N	5	7	10/13/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	4.10E-01	2.5E+03		1.9E+02	
SB-209	N	5	7	10/13/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	4.10E-01	1.0E+01		2.3E+00	
SB-209	N	5	7	10/13/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	4.10E-01	1.6E+03		3.9E+02	
SB-209	N	5	7	10/13/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	4.10E-01				
SB-209	N	5	7	10/13/21	SVOC	Butylbenzylphthalate	85-68-7		U	4.10E-01	1.2E+04		2.9E+03	
SB-209	N	5	7	10/13/21	SVOC	Carbazole	86-74-8		U	2.10E-01	3.0E+04		2.4E+03	
SB-209	N	5	7	10/13/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	8.00E-01	8.2E+04		6.3E+03	
SB-209	N	5	7	10/13/21	SVOC	4-Chloroaniline	106-47-8		U	8.00E-01	1.1E+02		2.7E+01	
SB-209	N	5	7	10/13/21	SVOC	2-Chloronaphthalene	91-58-7		U	4.10E-01	6.0E+04		4.8E+03	
SB-209	N	5	7	10/13/21	SVOC	2-Chlorophenol	95-57-8		U	4.10E-01	5.8E+03		3.9E+02	
SB-209	N	5	7	10/13/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	4.10E-01				
SB-209	N	5	7	10/13/21	SVOC	Chrysene	218-01-9		U	2.10E-01	2.1E+04		1.1E+03	
SB-209	N	5	7	10/13/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	2.10E-01	2.1E+01		1.1E+00	
SB-209	N	5	7	10/13/21	SVOC	Dibenzofuran	132-64-9		U	4.10E-01	1.2E+03		7.8E+01	
SB-209	N	5	7	10/13/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	2.10E-01	5.1E+01		1.2E+01	
SB-209	N	5	7	10/13/21	SVOC	2,4-Dichlorophenol	120-83-2		U	4.10E-01	2.5E+03		1.9E+02	
SB-209	N	5	7	10/13/21	SVOC	Diethylphthalate	84-66-2		U	4.10E-01	6.6E+05		5.1E+04	
SB-209	N	5	7	10/13/21	SVOC	2,4-Dimethylphenol	105-67-9		U	4.10E-01	1.6E+04		1.3E+03	
SB-209	N	5	7	10/13/21	SVOC	Dimethylphthalate	131-11-3		U	4.10E-01	6.6E+05		5.1E+04	
SB-209	N	5	7	10/13/21	SVOC	Di-n-butylphthalate	84-74-2		U	4.10E-01	8.2E+04		6.3E+03	
SB-209	N	5	7	10/13/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	4.10E-01	6.6E+01		5.1E+00	
SB-209	N	5	7	10/13/21	SVOC	2,4-Dinitrophenol	51-28-5		U	8.00E-01	1.6E+03		1.3E+02	
SB-209	N	5	7	10/13/21	SVOC	Di-n-octylphthalate	117-84-0		U	4.10E-01	8.2E+03		6.3E+02	
SB-209	N	5	7	10/13/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	4.10E-01	2.9E+01		6.8E+00	
SB-209	N	5	7	10/13/21	SVOC	Fluoranthene	206-44-0		U	2.10E-01	3.0E+04		2.4E+03	
SB-209	N	5	7	10/13/21	SVOC	Fluorene	86-73-7		U	2.10E-01	3.0E+04		2.4E+03	
SB-209	N	5	7	10/13/21	SVOC	Hexachlorobenzene	118-74-1		U	4.10E-01	9.6E+00		7.8E-01	
SB-209	N	5	7	10/13/21	SVOC	Hexachlorobutadiene	87-68-3		U	4.10E-01	5.3E+01		1.2E+01	
SB-209	N	5	7	10/13/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	4.10E-01	7.5E+00		1.8E+00	
SB-209	N	5	7	10/13/21	SVOC	Hexachloroethane	67-72-1		U	4.10E-01	8.0E+01		1.8E+01	
SB-209	N	5	7	10/13/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	2.10E-01	2.1E+02		1.1E+01	
SB-209	N	5	7	10/13/21	SVOC	Isophorone	78-59-1		U	4.10E-01	2.4E+04		5.7E+03	
SB-209	N	5	7	10/13/21	SVOC	1-Methylnaphthalene	90-12-0		U	2.10E-01	7.3E+02		1.8E+02	
SB-209	N	5	7	10/13/21	SVOC	2-Methylnaphthalene	91-57-6		U	2.10E-01	3.0E+03		2.4E+02	
SB-209	N	5	7	10/13/21	SVOC	2-Methylphenol	95-48-7		U	4.10E-01	4.1E+04		3.2E+03	
SB-209	N	5	7	10/13/21	SVOC	3&4-Methylphenol	65794-96-9		U	4.10E-01				
SB-209	N	5	7	10/13/21	SVOC	Naphthalene	91-20-3		U	2.10E-01	8.6E+01		2.0E+01	
SB-209	N	5	7	10/13/21	SVOC	2-Nitroaniline	88-74-4		U	4.10E-01	8.0E+03		6.3E+02	
SB-209	N	5	7	10/13/21	SVOC	3-Nitroaniline	99-09-2		U	4.10E-01	1.1E+03		2.5E+02	
SB-209	N	5	7	10/13/21	SVOC	4-Nitroaniline	100-01-6		U	4.10E-01	1.1E+03		2.5E+02	
SB-209	N	5	7	10/13/21	SVOC	2-Nitrophenol	88-75-5		U	4.10E-01				

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Ratio of Conc to Residential RSLs
SB-209	N	5	7	10/13/21	SVOC	4-Nitrophenol	100-02-7		U	8.00E-01				
SB-209	N	5	7	10/13/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	4.10E-01	3.4E-01	2.0E-02		
SB-209	N	5	7	10/13/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	4.10E-01	4.7E+03	1.1E+03		
SB-209	N	5	7	10/13/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	4.10E-01	3.3E+00	7.8E-01		
SB-209	N	5	7	10/13/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	4.10E-01	4.7E+04	3.1E+03		
SB-209	N	5	7	10/13/21	SVOC	Pentachloronitrobenzene	82-68-8		U	4.10E-01	1.3E+02	2.7E+01		
SB-209	N	5	7	10/13/21	SVOC	Pentachlorophenol	87-86-5		U	4.10E-01	4.0E+01	1.0E+01		
SB-209	N	5	7	10/13/21	SVOC	Phenanthrene	85-01-8		U	2.10E-01	2.3E+04	1.8E+03		
SB-209	N	5	7	10/13/21	SVOC	Phenol	108-95-2		U	4.10E-01	2.5E+05	1.9E+04		
SB-209	N	5	7	10/13/21	SVOC	Pyrene	129-00-0		U	2.10E-01	2.3E+04	1.8E+03		
SB-209	N	5	7	10/13/21	SVOC	Pyridine	110-86-1		U	4.10E-01	1.2E+03	7.8E+01		
SB-209	N	5	7	10/13/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	4.10E-01	3.5E+01	2.3E+00		
SB-209	N	5	7	10/13/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	4.10E-01	8.2E+04	6.3E+03		
SB-209	N	5	7	10/13/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	4.10E-01	8.2E+02	6.3E+01		
SB-209	N	5	7	10/13/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	4.10E-01	7.4E+01	1.7E+01		
SB-209	N	5	7	10/13/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	4.10E-01	1.5E+01	3.6E+00		
SB-209	N	5	7	10/13/21	NITRO	Nitrobenzene	98-95-3		U	4.10E-01	2.2E+02	5.1E+01		
SB-209	N	5	7	10/13/21	INORG	Aluminum	7429-90-5	1.30E+04			1.1E+06	7.7E+04	1.2E-02	1.7E-01
SB-209	N	5	7	10/13/21	INORG	Antimony	7440-36-0		U	8.10E-01	4.7E+02	3.1E+01		
SB-209	N	5	7	10/13/21	INORG	Arsenic	7440-38-2	4.50E+00			3.0E+01	6.8E+00	1.5E-01	6.6E-01
SB-209	N	5	7	10/13/21	INORG	Barium	7440-39-3	4.60E+01			2.2E+05	1.5E+04	2.1E-04	3.1E-03
SB-209	N	5	7	10/13/21	INORG	Beryllium	7440-41-7	6.60E-01			2.3E+03	1.6E+02	2.9E-04	4.1E-03
SB-209	N	5	7	10/13/21	INORG	Cadmium	7440-43-9		U	2.00E-01	1.0E+02	7.1E+00		
SB-209	N	5	7	10/13/21	INORG	Chromium (total)	7440-47-3	1.70E+01			1.8E+06	1.2E+05	9.4E-06	1.4E-04
SB-209	N	5	7	10/13/21	INORG	Cobalt	7440-48-4	5.50E+00			3.5E+02	2.3E+01	1.6E-02	2.4E-01
SB-209	N	5	7	10/13/21	INORG	Copper	7440-50-8	1.60E+01			4.7E+04	3.1E+03	3.4E-04	5.2E-03
SB-209	N	5	7	10/13/21	INORG	Cyanide (total)	57-12-5	1.40E+00			1.5E+02	2.3E+01	9.3E-03	6.1E-02
SB-209	N	5	7	10/13/21	INORG	Iron	7439-89-6	3.20E+04			8.2E+05	5.5E+04	3.9E-02	5.8E-01
SB-209	N	5	7	10/13/21	INORG	Lead	7439-92-1	1.10E+01			8.0E+02	2.0E+02	1.4E-02	5.5E-02
SB-209	N	5	7	10/13/21	INORG	Manganese	7439-96-5	5.30E+01			2.6E+04	1.8E+03	2.0E-03	2.9E-02
SB-209	N	5	7	10/13/21	INORG	Mercury	7439-97-6	7.90E-02			4.1E+01	7.4E+00	1.9E-03	1.1E-02
SB-209	N	5	7	10/13/21	INORG	Nickel	7440-02-0	1.60E+01			2.2E+04	1.5E+03	7.3E-04	1.1E-02
SB-209	N	5	7	10/13/21	INORG	Selenium	7782-49-2		U	1.40E+00	5.8E+03	3.9E+02		
SB-209	N	5	7	10/13/21	INORG	Silver	7440-22-4		U	1.80E-01	5.8E+03	3.9E+02		
SB-209	N	5	7	10/13/21	INORG	Thallium	7440-28-0		U	9.60E-01	1.2E+01	7.8E-01		
SB-209	N	5	7	10/13/21	INORG	Vanadium	7440-62-2	3.10E+01			5.8E+03	3.9E+02	5.3E-03	7.9E-02
SB-209	N	5	7	10/13/21	INORG	Zinc	7440-66-6	4.10E+01			3.5E+05	2.3E+04	1.2E-04	1.8E-03
SB-209	N	15	17	10/13/21	VOC	1,2-Dichlorobenzene	95-50-1		U	4.00E-01	9.3E+03	1.8E+03		
SB-209	N	15	17	10/13/21	VOC	1,3-Dichlorobenzene	541-73-1		U	4.00E-01	1.1E+02	2.6E+01		
SB-209	N	15	17	10/13/21	VOC	1,4-Dichlorobenzene	106-46-7		U	4.00E-01	1.1E+02	2.6E+01		
SB-209	N	15	17	10/13/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	4.00E-01	2.6E+02	5.8E+01		
SB-209	N	15	17	10/13/21	SVOC	Acenaphthene	83-32-9		U	2.00E-01	4.5E+04	3.6E+03		
SB-209	N	15	17	10/13/21	SVOC	Acenaphthylene	208-96-8		U	2.00E-01	2.3E+04	1.8E+03		
SB-209	N	15	17	10/13/21	SVOC	Acetophenone	98-86-2		U	4.00E-01	1.2E+05	7.8E+03		

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-209	N	15	17	10/13/21	SVOC	Aniline	62-53-3		U	4.00E-01	4.0E+03		4.4E+02	
SB-209	N	15	17	10/13/21	SVOC	Anthracene	120-12-7		U	2.00E-01	2.3E+05		1.8E+04	
SB-209	N	15	17	10/13/21	SVOC	Benzidine	92-87-5		U	7.80E-01	1.0E-01		5.3E-03	
SB-209	N	15	17	10/13/21	SVOC	Benzo(a)anthracene	56-55-3		U	2.00E-01	2.1E+02		1.1E+01	
SB-209	N	15	17	10/13/21	SVOC	Benzo(a)pyrene	50-32-8		U	2.00E-01	2.1E+01		1.1E+00	
SB-209	N	15	17	10/13/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	2.00E-01	2.1E+02		1.1E+01	
SB-209	N	15	17	10/13/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	2.00E-01	2.3E+04		1.8E+03	
SB-209	N	15	17	10/13/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	2.00E-01	2.1E+03		1.1E+02	
SB-209	N	15	17	10/13/21	SVOC	Benzoic Acid	65-85-0		U	1.20E+00	3.3E+06		2.5E+05	
SB-209	N	15	17	10/13/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	4.00E-01	2.5E+03		1.9E+02	
SB-209	N	15	17	10/13/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	4.00E-01	1.0E+01		2.3E+00	
SB-209	N	15	17	10/13/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	4.00E-01	1.6E+03		3.9E+02	
SB-209	N	15	17	10/13/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	4.00E-01				
SB-209	N	15	17	10/13/21	SVOC	Butylbenzylphthalate	85-68-7		U	4.00E-01	1.2E+04		2.9E+03	
SB-209	N	15	17	10/13/21	SVOC	Carbazole	86-74-8		U	2.00E-01	3.0E+04		2.4E+03	
SB-209	N	15	17	10/13/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.80E-01	8.2E+04		6.3E+03	
SB-209	N	15	17	10/13/21	SVOC	4-Chloroaniline	106-47-8		U	7.80E-01	1.1E+02		2.7E+01	
SB-209	N	15	17	10/13/21	SVOC	2-Chloronaphthalene	91-58-7		U	4.00E-01	6.0E+04		4.8E+03	
SB-209	N	15	17	10/13/21	SVOC	2-Chlorophenol	95-57-8		U	4.00E-01	5.8E+03		3.9E+02	
SB-209	N	15	17	10/13/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	4.00E-01				
SB-209	N	15	17	10/13/21	SVOC	Chrysene	218-01-9		U	2.00E-01	2.1E+04		1.1E+03	
SB-209	N	15	17	10/13/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	2.00E-01	2.1E+01		1.1E+00	
SB-209	N	15	17	10/13/21	SVOC	Dibenzofuran	132-64-9		U	4.00E-01	1.2E+03		7.8E+01	
SB-209	N	15	17	10/13/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	2.00E-01	5.1E+01		1.2E+01	
SB-209	N	15	17	10/13/21	SVOC	2,4-Dichlorophenol	120-83-2		U	4.00E-01	2.5E+03		1.9E+02	
SB-209	N	15	17	10/13/21	SVOC	Diethylphthalate	84-66-2		U	4.00E-01	6.6E+05		5.1E+04	
SB-209	N	15	17	10/13/21	SVOC	2,4-Dimethylphenol	105-67-9		U	4.00E-01	1.6E+04		1.3E+03	
SB-209	N	15	17	10/13/21	SVOC	Dimethylphthalate	131-11-3		U	4.00E-01	6.6E+05		5.1E+04	
SB-209	N	15	17	10/13/21	SVOC	Di-n-butylphthalate	84-74-2		U	4.00E-01	8.2E+04		6.3E+03	
SB-209	N	15	17	10/13/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	4.00E-01	6.6E+01		5.1E+00	
SB-209	N	15	17	10/13/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.80E-01	1.6E+03		1.3E+02	
SB-209	N	15	17	10/13/21	SVOC	Di-n-octylphthalate	117-84-0		U	4.00E-01	8.2E+03		6.3E+02	
SB-209	N	15	17	10/13/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	4.00E-01	2.9E+01		6.8E+00	
SB-209	N	15	17	10/13/21	SVOC	Fluoranthene	206-44-0		U	2.00E-01	3.0E+04		2.4E+03	
SB-209	N	15	17	10/13/21	SVOC	Fluorene	86-73-7		U	2.00E-01	3.0E+04		2.4E+03	
SB-209	N	15	17	10/13/21	SVOC	Hexachlorobenzene	118-74-1		U	4.00E-01	9.6E+00		7.8E-01	
SB-209	N	15	17	10/13/21	SVOC	Hexachlorobutadiene	87-68-3		U	4.00E-01	5.3E+01		1.2E+01	
SB-209	N	15	17	10/13/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	4.00E-01	7.5E+00		1.8E+00	
SB-209	N	15	17	10/13/21	SVOC	Hexachloroethane	67-72-1		U	4.00E-01	8.0E+01		1.8E+01	
SB-209	N	15	17	10/13/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	2.00E-01	2.1E+02		1.1E+01	
SB-209	N	15	17	10/13/21	SVOC	Isophorone	78-59-1		U	4.00E-01	2.4E+04		5.7E+03	
SB-209	N	15	17	10/13/21	SVOC	1-Methylnaphthalene	90-12-0		U	2.00E-01	7.3E+02		1.8E+02	
SB-209	N	15	17	10/13/21	SVOC	2-Methylnaphthalene	91-57-6		U	2.00E-01	3.0E+03		2.4E+02	
SB-209	N	15	17	10/13/21	SVOC	2-Methylphenol	95-48-7		U	4.00E-01	4.1E+04		3.2E+03	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-209	N	15	17	10/13/21	SVOC	3&4-Methylphenol	65794-96-9		U	4.00E-01				
SB-209	N	15	17	10/13/21	SVOC	Naphthalene	91-20-3		U	2.00E-01	8.6E+01		2.0E+01	
SB-209	N	15	17	10/13/21	SVOC	2-Nitroaniline	88-74-4		U	4.00E-01	8.0E+03		6.3E+02	
SB-209	N	15	17	10/13/21	SVOC	3-Nitroaniline	99-09-2		U	4.00E-01	1.1E+03		2.5E+02	
SB-209	N	15	17	10/13/21	SVOC	4-Nitroaniline	100-01-6		U	4.00E-01	1.1E+03		2.5E+02	
SB-209	N	15	17	10/13/21	SVOC	2-Nitrophenol	88-75-5		U	4.00E-01				
SB-209	N	15	17	10/13/21	SVOC	4-Nitrophenol	100-02-7		U	7.80E-01				
SB-209	N	15	17	10/13/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	4.00E-01	3.4E-01		2.0E-02	
SB-209	N	15	17	10/13/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	4.00E-01	4.7E+03		1.1E+03	
SB-209	N	15	17	10/13/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	4.00E-01	3.3E+00		7.8E-01	
SB-209	N	15	17	10/13/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	4.00E-01	4.7E+04		3.1E+03	
SB-209	N	15	17	10/13/21	SVOC	Pentachloronitrobenzene	82-68-8		U	4.00E-01	1.3E+02		2.7E+01	
SB-209	N	15	17	10/13/21	SVOC	Pentachlorophenol	87-86-5		U	4.00E-01	4.0E+01		1.0E+01	
SB-209	N	15	17	10/13/21	SVOC	Phenanthrene	85-01-8		U	2.00E-01	2.3E+04		1.8E+03	
SB-209	N	15	17	10/13/21	SVOC	Phenol	108-95-2		U	4.00E-01	2.5E+05		1.9E+04	
SB-209	N	15	17	10/13/21	SVOC	Pyrene	129-00-0		U	2.00E-01	2.3E+04		1.8E+03	
SB-209	N	15	17	10/13/21	SVOC	Pyridine	110-86-1		U	4.00E-01	1.2E+03		7.8E+01	
SB-209	N	15	17	10/13/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	4.00E-01	3.5E+01		2.3E+00	
SB-209	N	15	17	10/13/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	4.00E-01	8.2E+04		6.3E+03	
SB-209	N	15	17	10/13/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	4.00E-01	8.2E+02		6.3E+01	
SB-209	N	15	17	10/13/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	4.00E-01	7.4E+01		1.7E+01	
SB-209	N	15	17	10/13/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	4.00E-01	1.5E+01		3.6E+00	
SB-209	N	15	17	10/13/21	NITRO	Nitrobenzene	98-95-3		U	4.00E-01	2.2E+02		5.1E+01	
SB-209	N	15	17	10/13/21	INORG	Aluminum	7429-90-5	8.90E+03			1.1E+06	8.1E-03	7.7E+04	1.2E-01
SB-209	N	15	17	10/13/21	INORG	Antimony	7440-36-0		U	7.80E-01	4.7E+02		3.1E+01	
SB-209	N	15	17	10/13/21	INORG	Arsenic	7440-38-2	6.30E+00			3.0E+01	2.1E-01	6.8E+00	9.3E-01
SB-209	N	15	17	10/13/21	INORG	Barium	7440-39-3	3.00E+01			2.2E+05	1.4E-04	1.5E+04	2.0E-03
SB-209	N	15	17	10/13/21	INORG	Beryllium	7440-41-7	6.80E-01			2.3E+03	3.0E-04	1.6E+02	4.3E-03
SB-209	N	15	17	10/13/21	INORG	Cadmium	7440-43-9		U	2.00E-01	1.0E+02		7.1E+00	
SB-209	N	15	17	10/13/21	INORG	Chromium (total)	7440-47-3	1.90E+01			1.8E+06	1.1E-05	1.2E+05	1.6E-04
SB-209	N	15	17	10/13/21	INORG	Cobalt	7440-48-4	5.50E+00			3.5E+02	1.6E-02	2.3E+01	2.4E-01
SB-209	N	15	17	10/13/21	INORG	Copper	7440-50-8	1.40E+01			4.7E+04	3.0E-04	3.1E+03	4.5E-03
SB-209	N	15	17	10/13/21	INORG	Cyanide (total)	57-12-5		U	3.70E-01	1.5E+02		2.3E+01	
SB-209	N	15	17	10/13/21	INORG	Iron	7439-89-6	2.80E+04			8.2E+05	3.4E-02	5.5E+04	5.1E-01
SB-209	N	15	17	10/13/21	INORG	Lead	7439-92-1	9.30E+00			8.0E+02	1.2E-02	2.0E+02	4.7E-02
SB-209	N	15	17	10/13/21	INORG	Manganese	7439-96-5	6.70E+01			2.6E+04	2.6E-03	1.8E+03	3.7E-02
SB-209	N	15	17	10/13/21	INORG	Mercury	7439-97-6		U	1.00E-02	4.1E+01		7.4E+00	
SB-209	N	15	17	10/13/21	INORG	Nickel	7440-02-0	1.10E+01			2.2E+04	5.0E-04	1.5E+03	7.3E-03
SB-209	N	15	17	10/13/21	INORG	Selenium	7782-49-2		U	1.40E+00	5.8E+03		3.9E+02	
SB-209	N	15	17	10/13/21	INORG	Silver	7440-22-4		U	1.80E-01	5.8E+03		3.9E+02	
SB-209	N	15	17	10/13/21	INORG	Thallium	7440-28-0		U	9.20E-01	1.2E+01		7.8E-01	
SB-209	N	15	17	10/13/21	INORG	Vanadium	7440-62-2	2.40E+01			5.8E+03	4.1E-03	3.9E+02	6.2E-02
SB-209	N	15	17	10/13/21	INORG	Zinc	7440-66-6	3.50E+01			3.5E+05	1.0E-04	2.3E+04	1.5E-03
SB-210	N		1	10/28/21	VOC	1,2-Dichlorobenzene	95-50-1		U	4.00E-01	9.3E+03		1.8E+03	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-210	N		1	10/28/21	VOC	1,3-Dichlorobenzene	541-73-1		U	4.00E-01	1.1E+02		2.6E+01	
SB-210	N		1	10/28/21	VOC	1,4-Dichlorobenzene	106-46-7		U	4.00E-01	1.1E+02		2.6E+01	
SB-210	N		1	10/28/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	4.00E-01	2.6E+02		5.8E+01	
SB-210	N		1	10/28/21	SVOC	Acenaphthene	83-32-9		U	2.00E-01	4.5E+04		3.6E+03	
SB-210	N		1	10/28/21	SVOC	Acenaphthylene	208-96-8		U	2.00E-01	2.3E+04		1.8E+03	
SB-210	N		1	10/28/21	SVOC	Acetophenone	98-86-2		U	4.00E-01	1.2E+05		7.8E+03	
SB-210	N		1	10/28/21	SVOC	Aniline	62-53-3		U	4.00E-01	4.0E+03		4.4E+02	
SB-210	N		1	10/28/21	SVOC	Anthracene	120-12-7		U	2.00E-01	2.3E+05		1.8E+04	
SB-210	N		1	10/28/21	SVOC	Benzidine	92-87-5		U	7.70E-01	1.0E-01		5.3E-03	
SB-210	N		1	10/28/21	SVOC	Benzo(a)anthracene	56-55-3		U	2.00E-01	2.1E+02		1.1E+01	
SB-210	N		1	10/28/21	SVOC	Benzo(a)pyrene	50-32-8		U	2.00E-01	2.1E+01		1.1E+00	
SB-210	N		1	10/28/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	2.00E-01	2.1E+02		1.1E+01	
SB-210	N		1	10/28/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	2.00E-01	2.3E+04		1.8E+03	
SB-210	N		1	10/28/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	2.00E-01	2.1E+03		1.1E+02	
SB-210	N		1	10/28/21	SVOC	Benzoic Acid	65-85-0		U	1.20E+00	3.3E+06		2.5E+05	
SB-210	N		1	10/28/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	4.00E-01	2.5E+03		1.9E+02	
SB-210	N		1	10/28/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	4.00E-01	1.0E+01		2.3E+00	
SB-210	N		1	10/28/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	4.00E-01	1.6E+03		3.9E+02	
SB-210	N		1	10/28/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	4.00E-01				
SB-210	N		1	10/28/21	SVOC	Butylbenzylphthalate	85-68-7		U	4.00E-01	1.2E+04		2.9E+03	
SB-210	N		1	10/28/21	SVOC	Carbazole	86-74-8		U	2.00E-01	3.0E+04		2.4E+03	
SB-210	N		1	10/28/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.70E-01	8.2E+04		6.3E+03	
SB-210	N		1	10/28/21	SVOC	4-Chloroaniline	106-47-8		U	7.70E-01	1.1E+02		2.7E+01	
SB-210	N		1	10/28/21	SVOC	2-Chloronaphthalene	91-58-7		U	4.00E-01	6.0E+04		4.8E+03	
SB-210	N		1	10/28/21	SVOC	2-Chlorophenol	95-57-8		U	4.00E-01	5.8E+03		3.9E+02	
SB-210	N		1	10/28/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	4.00E-01				
SB-210	N		1	10/28/21	SVOC	Chrysene	218-01-9		U	2.00E-01	2.1E+04		1.1E+03	
SB-210	N		1	10/28/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	2.00E-01	2.1E+01		1.1E+00	
SB-210	N		1	10/28/21	SVOC	Dibenzofuran	132-64-9		U	4.00E-01	1.2E+03		7.8E+01	
SB-210	N		1	10/28/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	2.00E-01	5.1E+01		1.2E+01	
SB-210	N		1	10/28/21	SVOC	2,4-Dichlorophenol	120-83-2		U	4.00E-01	2.5E+03		1.9E+02	
SB-210	N		1	10/28/21	SVOC	Diethylphthalate	84-66-2		U	4.00E-01	6.6E+05		5.1E+04	
SB-210	N		1	10/28/21	SVOC	2,4-Dimethylphenol	105-67-9		U	4.00E-01	1.6E+04		1.3E+03	
SB-210	N		1	10/28/21	SVOC	Dimethylphthalate	131-11-3		U	4.00E-01	6.6E+05		5.1E+04	
SB-210	N		1	10/28/21	SVOC	Di-n-butylphthalate	84-74-2		U	4.00E-01	8.2E+04		6.3E+03	
SB-210	N		1	10/28/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	4.00E-01	6.6E+01		5.1E+00	
SB-210	N		1	10/28/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.70E-01	1.6E+03		1.3E+02	
SB-210	N		1	10/28/21	SVOC	Di-n-octylphthalate	117-84-0		U	4.00E-01	8.2E+03		6.3E+02	
SB-210	N		1	10/28/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	4.00E-01	2.9E+01		6.8E+00	
SB-210	N		1	10/28/21	SVOC	Fluoranthene	206-44-0		U	2.00E-01	3.0E+04		2.4E+03	
SB-210	N		1	10/28/21	SVOC	Fluorene	86-73-7		U	2.00E-01	3.0E+04		2.4E+03	
SB-210	N		1	10/28/21	SVOC	Hexachlorobenzene	118-74-1		U	4.00E-01	9.6E+00		7.8E-01	
SB-210	N		1	10/28/21	SVOC	Hexachlorobutadiene	87-68-3		U	4.00E-01	5.3E+01		1.2E+01	
SB-210	N		1	10/28/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	4.00E-01	7.5E+00		1.8E+00	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-210	N		1	10/28/21	SVOC	Hexachloroethane	67-72-1		U	4.00E-01	8.0E+01		1.8E+01	
SB-210	N		1	10/28/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	2.00E-01	2.1E+02		1.1E+01	
SB-210	N		1	10/28/21	SVOC	Isophorone	78-59-1		U	4.00E-01	2.4E+04		5.7E+03	
SB-210	N		1	10/28/21	SVOC	1-Methylnaphthalene	90-12-0		U	2.00E-01	7.3E+02		1.8E+02	
SB-210	N		1	10/28/21	SVOC	2-Methylnaphthalene	91-57-6		U	2.00E-01	3.0E+03		2.4E+02	
SB-210	N		1	10/28/21	SVOC	2-Methylphenol	95-48-7		U	4.00E-01	4.1E+04		3.2E+03	
SB-210	N		1	10/28/21	SVOC	3&4-Methylphenol	65794-96-9		U	4.00E-01				
SB-210	N		1	10/28/21	SVOC	Naphthalene	91-20-3		U	2.00E-01	8.6E+01		2.0E+01	
SB-210	N		1	10/28/21	SVOC	2-Nitroaniline	88-74-4		U	4.00E-01	8.0E+03		6.3E+02	
SB-210	N		1	10/28/21	SVOC	3-Nitroaniline	99-09-2		U	4.00E-01	1.1E+03		2.5E+02	
SB-210	N		1	10/28/21	SVOC	4-Nitroaniline	100-01-6		U	4.00E-01	1.1E+03		2.5E+02	
SB-210	N		1	10/28/21	SVOC	2-Nitrophenol	88-75-5		U	4.00E-01				
SB-210	N		1	10/28/21	SVOC	4-Nitrophenol	100-02-7		U	7.70E-01				
SB-210	N		1	10/28/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	4.00E-01	3.4E-01		2.0E-02	
SB-210	N		1	10/28/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	4.00E-01	4.7E+03		1.1E+03	
SB-210	N		1	10/28/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	4.00E-01	3.3E+00		7.8E-01	
SB-210	N		1	10/28/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	4.00E-01	4.7E+04		3.1E+03	
SB-210	N		1	10/28/21	SVOC	Pentachloronitrobenzene	82-68-8		U	4.00E-01	1.3E+02		2.7E+01	
SB-210	N		1	10/28/21	SVOC	Pentachlorophenol	87-86-5		U	4.00E-01	4.0E+01		1.0E+01	
SB-210	N		1	10/28/21	SVOC	Phenanthrene	85-01-8		U	2.00E-01	2.3E+04		1.8E+03	
SB-210	N		1	10/28/21	SVOC	Phenol	108-95-2		U	4.00E-01	2.5E+05		1.9E+04	
SB-210	N		1	10/28/21	SVOC	Pyrene	129-00-0		U	2.00E-01	2.3E+04		1.8E+03	
SB-210	N		1	10/28/21	SVOC	Pyridine	110-86-1		U	4.00E-01	1.2E+03		7.8E+01	
SB-210	N		1	10/28/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	4.00E-01	3.5E+01		2.3E+00	
SB-210	N		1	10/28/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	4.00E-01	8.2E+04		6.3E+03	
SB-210	N		1	10/28/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	4.00E-01	8.2E+02		6.3E+01	
SB-210	N		1	10/28/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	4.00E-01	7.4E+01		1.7E+01	
SB-210	N		1	10/28/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	4.00E-01	1.5E+01		3.6E+00	
SB-210	N		1	10/28/21	NITRO	Nitrobenzene	98-95-3		U	4.00E-01	2.2E+02		5.1E+01	
SB-210	N		1	10/28/21	INORG	Aluminum	7429-90-5	1.30E+04		1.90E+01	1.1E+06	1.2E-02	7.7E+04	1.7E-01
SB-210	N		1	10/28/21	INORG	Antimony	7440-36-0		U	1.90E+00	4.7E+02		3.1E+01	
SB-210	N		1	10/28/21	INORG	Arsenic	7440-38-2	3.00E+00	J	3.90E+00	3.0E+01	1.0E-01	6.8E+00	4.4E-01
SB-210	N		1	10/28/21	INORG	Barium	7440-39-3	7.80E+01		1.90E+00	2.2E+05	3.5E-04	1.5E+04	5.2E-03
SB-210	N		1	10/28/21	INORG	Beryllium	7440-41-7	8.80E-01		1.90E-01	2.3E+03	3.8E-04	1.6E+02	5.5E-03
SB-210	N		1	10/28/21	INORG	Cadmium	7440-43-9		U	3.90E-01	1.0E+02		7.1E+00	
SB-210	N		1	10/28/21	INORG	Chromium (total)	7440-47-3	2.60E+01		7.70E-01	1.8E+06	1.4E-05	1.2E+05	2.2E-04
SB-210	N		1	10/28/21	INORG	Cobalt	7440-48-4	1.30E+01		1.90E+00	3.5E+02	3.7E-02	2.3E+01	5.7E-01
SB-210	N		1	10/28/21	INORG	Copper	7440-50-8	2.50E+01		7.70E-01	4.7E+04	5.3E-04	3.1E+03	8.1E-03
SB-210	N		1	10/28/21	INORG	Cyanide (total)	57-12-5		U	5.80E-01	1.5E+02		2.3E+01	
SB-210	N		1	10/28/21	INORG	Iron	7439-89-6	2.80E+04		1.90E+02	8.2E+05	3.4E-02	5.5E+04	5.1E-01
SB-210	N		1	10/28/21	INORG	Lead	7439-92-1	1.60E+01		5.80E-01	8.0E+02	2.0E-02	2.0E+02	8.0E-02
SB-210	N		1	10/28/21	INORG	Manganese	7439-96-5	6.30E+02		3.90E-01	2.6E+04	2.4E-02	1.8E+03	3.5E-01
SB-210	N		1	10/28/21	INORG	Mercury	7439-97-6	1.50E-02	J	3.10E-02	4.1E+01	3.7E-04	7.4E+00	2.0E-03
SB-210	N		1	10/28/21	INORG	Nickel	7440-02-0	1.10E+01		7.70E-01	2.2E+04	5.0E-04	1.5E+03	7.3E-03



**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-210	N		1	10/28/21	INORG	Selenium	7782-49-2		U	3.90E+00	5.8E+03		3.9E+02	
SB-210	N		1	10/28/21	INORG	Silver	7440-22-4		U	3.90E-01	5.8E+03		3.9E+02	
SB-210	N		1	10/28/21	INORG	Thallium	7440-28-0		U	1.90E+00	1.2E+01		7.8E-01	
SB-210	N		1	10/28/21	INORG	Vanadium	7440-62-2	5.40E+01		7.70E-01	5.8E+03	9.3E-03	3.9E+02	1.4E-01
SB-210	N		1	10/28/21	INORG	Zinc	7440-66-6	3.70E+01		7.70E-01	3.5E+05	1.1E-04	2.3E+04	1.6E-03
SB-211	N		1	10/15/21	VOC	1,2-Dichlorobenzene	95-50-1		U	3.80E-01	9.3E+03		1.8E+03	
SB-211	N		1	10/15/21	VOC	1,3-Dichlorobenzene	541-73-1		U	3.80E-01	1.1E+02		2.6E+01	
SB-211	N		1	10/15/21	VOC	1,4-Dichlorobenzene	106-46-7		U	3.80E-01	1.1E+02		2.6E+01	
SB-211	N		1	10/15/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	3.80E-01	2.6E+02		5.8E+01	
SB-211	N		1	10/15/21	SVOC	Acenaphthene	83-32-9		U	1.90E-01	4.5E+04		3.6E+03	
SB-211	N		1	10/15/21	SVOC	Acenaphthylene	208-96-8		U	1.90E-01	2.3E+04		1.8E+03	
SB-211	N		1	10/15/21	SVOC	Acetophenone	98-86-2		U	3.80E-01	1.2E+05		7.8E+03	
SB-211	N		1	10/15/21	SVOC	Aniline	62-53-3		U	3.80E-01	4.0E+03		4.4E+02	
SB-211	N		1	10/15/21	SVOC	Anthracene	120-12-7		U	1.90E-01	2.3E+05		1.8E+04	
SB-211	N		1	10/15/21	SVOC	Benzidine	92-87-5		U	7.40E-01	1.0E-01		5.3E-03	
SB-211	N		1	10/15/21	SVOC	Benzo(a)anthracene	56-55-3	7.00E-02	J	1.90E-01	2.1E+02	3.3E-04	1.1E+01	6.4E-03
SB-211	N		1	10/15/21	SVOC	Benzo(a)pyrene	50-32-8	6.50E-02	J	1.90E-01	2.1E+01	3.1E-03	1.1E+00	5.9E-02
SB-211	N		1	10/15/21	SVOC	Benzo(b)fluoranthene	205-99-2	9.10E-02	J	1.90E-01	2.1E+02	4.3E-04	1.1E+01	8.3E-03
SB-211	N		1	10/15/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	1.90E-01	2.3E+04		1.8E+03	
SB-211	N		1	10/15/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	1.90E-01	2.1E+03		1.1E+02	
SB-211	N		1	10/15/21	SVOC	Benzoic Acid	65-85-0		U	1.10E+00	3.3E+06		2.5E+05	
SB-211	N		1	10/15/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	3.80E-01	2.5E+03		1.9E+02	
SB-211	N		1	10/15/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	3.80E-01	1.0E+01		2.3E+00	
SB-211	N		1	10/15/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	3.80E-01	1.6E+03		3.9E+02	
SB-211	N		1	10/15/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	3.80E-01				
SB-211	N		1	10/15/21	SVOC	Butylbenzylphthalate	85-68-7		U	3.80E-01	1.2E+04		2.9E+03	
SB-211	N		1	10/15/21	SVOC	Carbazole	86-74-8		U	1.90E-01	3.0E+04		2.4E+03	
SB-211	N		1	10/15/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.40E-01	8.2E+04		6.3E+03	
SB-211	N		1	10/15/21	SVOC	4-Chloroaniline	106-47-8		U	7.40E-01	1.1E+02		2.7E+01	
SB-211	N		1	10/15/21	SVOC	2-Chloronaphthalene	91-58-7		U	3.80E-01	6.0E+04		4.8E+03	
SB-211	N		1	10/15/21	SVOC	2-Chlorophenol	95-57-8		U	3.80E-01	5.8E+03		3.9E+02	
SB-211	N		1	10/15/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	3.80E-01				
SB-211	N		1	10/15/21	SVOC	Chrysene	218-01-9	1.00E-01	J	1.90E-01	2.1E+04	4.8E-06	1.1E+03	9.1E-05
SB-211	N		1	10/15/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	1.90E-01	2.1E+01		1.1E+00	
SB-211	N		1	10/15/21	SVOC	Dibenzofuran	132-64-9	1.00E-01	J	3.80E-01	1.2E+03	8.3E-05	7.8E+01	1.3E-03
SB-211	N		1	10/15/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	1.90E-01	5.1E+01		1.2E+01	
SB-211	N		1	10/15/21	SVOC	2,4-Dichlorophenol	120-83-2		U	3.80E-01	2.5E+03		1.9E+02	
SB-211	N		1	10/15/21	SVOC	Diethylphthalate	84-66-2		U	3.80E-01	6.6E+05		5.1E+04	
SB-211	N		1	10/15/21	SVOC	2,4-Dimethylphenol	105-67-9		U	3.80E-01	1.6E+04		1.3E+03	
SB-211	N		1	10/15/21	SVOC	Dimethylphthalate	131-11-3		U	3.80E-01	6.6E+05		5.1E+04	
SB-211	N		1	10/15/21	SVOC	Di-n-butylphthalate	84-74-2		U	3.80E-01	8.2E+04		6.3E+03	
SB-211	N		1	10/15/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	3.80E-01	6.6E+01		5.1E+00	
SB-211	N		1	10/15/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.40E-01	1.6E+03		1.3E+02	
SB-211	N		1	10/15/21	SVOC	Di-n-octylphthalate	117-84-0		U	3.80E-01	8.2E+03		6.3E+02	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-211	N		1	10/15/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	3.80E-01	2.9E+01		6.8E+00	
SB-211	N		1	10/15/21	SVOC	Fluoranthene	206-44-0	1.60E-01	J	1.90E-01	3.0E+04	5.3E-06	2.4E+03	6.7E-05
SB-211	N		1	10/15/21	SVOC	Fluorene	86-73-7		U	1.90E-01	3.0E+04		2.4E+03	
SB-211	N		1	10/15/21	SVOC	Hexachlorobenzene	118-74-1		U	3.80E-01	9.6E+00		7.8E-01	
SB-211	N		1	10/15/21	SVOC	Hexachlorobutadiene	87-68-3		U	3.80E-01	5.3E+01		1.2E+01	
SB-211	N		1	10/15/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	3.80E-01	7.5E+00		1.8E+00	
SB-211	N		1	10/15/21	SVOC	Hexachloroethane	67-72-1		U	3.80E-01	8.0E+01		1.8E+01	
SB-211	N		1	10/15/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	1.90E-01	2.1E+02		1.1E+01	
SB-211	N		1	10/15/21	SVOC	Isophorone	78-59-1		U	3.80E-01	2.4E+04		5.7E+03	
SB-211	N		1	10/15/21	SVOC	1-Methylnaphthalene	90-12-0	3.00E-01		1.90E-01	7.3E+02	4.1E-04	1.8E+02	1.7E-03
SB-211	N		1	10/15/21	SVOC	2-Methylnaphthalene	91-57-6	5.00E-01		1.90E-01	3.0E+03	1.7E-04	2.4E+02	2.1E-03
SB-211	N		1	10/15/21	SVOC	2-Methylphenol	95-48-7		U	3.80E-01	4.1E+04		3.2E+03	
SB-211	N		1	10/15/21	SVOC	3&4-Methylphenol	65794-96-9		U	3.80E-01				
SB-211	N		1	10/15/21	SVOC	Naphthalene	91-20-3	2.90E-01		1.90E-01	8.6E+01	3.4E-03	2.0E+01	1.5E-02
SB-211	N		1	10/15/21	SVOC	2-Nitroaniline	88-74-4		U	3.80E-01	8.0E+03		6.3E+02	
SB-211	N		1	10/15/21	SVOC	3-Nitroaniline	99-09-2		U	3.80E-01	1.1E+03		2.5E+02	
SB-211	N		1	10/15/21	SVOC	4-Nitroaniline	100-01-6		U	3.80E-01	1.1E+03		2.5E+02	
SB-211	N		1	10/15/21	SVOC	2-Nitrophenol	88-75-5		U	3.80E-01				
SB-211	N		1	10/15/21	SVOC	4-Nitrophenol	100-02-7		U	7.40E-01				
SB-211	N		1	10/15/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	3.80E-01	3.4E-01		2.0E-02	
SB-211	N		1	10/15/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	3.80E-01	4.7E+03		1.1E+03	
SB-211	N		1	10/15/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	3.80E-01	3.3E+00		7.8E-01	
SB-211	N		1	10/15/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	3.80E-01	4.7E+04		3.1E+03	
SB-211	N		1	10/15/21	SVOC	Pentachloronitrobenzene	82-68-8		U	3.80E-01	1.3E+02		2.7E+01	
SB-211	N		1	10/15/21	SVOC	Pentachlorophenol	87-86-5		U	3.80E-01	4.0E+01		1.0E+01	
SB-211	N		1	10/15/21	SVOC	Phenanthrene	85-01-8	3.10E-01		1.90E-01	2.3E+04	1.3E-05	1.8E+03	1.7E-04
SB-211	N		1	10/15/21	SVOC	Phenol	108-95-2		U	3.80E-01	2.5E+05		1.9E+04	
SB-211	N		1	10/15/21	SVOC	Pyrene	129-00-0	1.60E-01	J	1.90E-01	2.3E+04	7.0E-06	1.8E+03	8.9E-05
SB-211	N		1	10/15/21	SVOC	Pyridine	110-86-1		U	3.80E-01	1.2E+03		7.8E+01	
SB-211	N		1	10/15/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	3.80E-01	3.5E+01		2.3E+00	
SB-211	N		1	10/15/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	3.80E-01	8.2E+04		6.3E+03	
SB-211	N		1	10/15/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	3.80E-01	8.2E+02		6.3E+01	
SB-211	N		1	10/15/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	3.80E-01	7.4E+01		1.7E+01	
SB-211	N		1	10/15/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	3.80E-01	1.5E+01		3.6E+00	
SB-211	N		1	10/15/21	NITRO	Nitrobenzene	98-95-3		U	3.80E-01	2.2E+02		5.1E+01	
SB-211	N		1	10/15/21	INORG	Aluminum	7429-90-5	7.70E+03			1.1E+06	7.0E-03	7.7E+04	1.0E-01
SB-211	N		1	10/15/21	INORG	Antimony	7440-36-0		U	7.40E-01	4.7E+02		3.1E+01	
SB-211	N		1	10/15/21	INORG	Arsenic	7440-38-2	6.50E+00			3.0E+01	2.2E-01	6.8E+00	9.6E-01
SB-211	N		1	10/15/21	INORG	Barium	7440-39-3	6.40E+01			2.2E+05	2.9E-04	1.5E+04	4.3E-03
SB-211	N		1	10/15/21	INORG	Beryllium	7440-41-7	6.70E-01			2.3E+03	2.9E-04	1.6E+02	4.2E-03
SB-211	N		1	10/15/21	INORG	Cadmium	7440-43-9		U	1.90E-01	1.0E+02		7.1E+00	
SB-211	N		1	10/15/21	INORG	Chromium (total)	7440-47-3	1.40E+01			1.8E+06	7.8E-06	1.2E+05	1.2E-04
SB-211	N		1	10/15/21	INORG	Cobalt	7440-48-4	1.10E+01			3.5E+02	3.1E-02	2.3E+01	4.8E-01
SB-211	N		1	10/15/21	INORG	Copper	7440-50-8	1.50E+01			4.7E+04	3.2E-04	3.1E+03	4.8E-03

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-211	N		1	10/15/21	INORG	Cyanide (total)	57-12-5		U	3.30E-01	1.5E+02		2.3E+01	
SB-211	N		1	10/15/21	INORG	Iron	7439-89-6	2.50E+04			8.2E+05	3.0E-02	5.5E+04	4.5E-01
SB-211	N		1	10/15/21	INORG	Lead	7439-92-1	1.80E+01			8.0E+02	2.3E-02	2.0E+02	9.0E-02
SB-211	N		1	10/15/21	INORG	Manganese	7439-96-5	2.10E+02			2.6E+04	8.1E-03	1.8E+03	1.2E-01
SB-211	N		1	10/15/21	INORG	Mercury	7439-97-6	4.30E-02			4.1E+01	1.1E-03	7.4E+00	5.8E-03
SB-211	N		1	10/15/21	INORG	Nickel	7440-02-0	1.20E+01			2.2E+04	5.5E-04	1.5E+03	8.0E-03
SB-211	N		1	10/15/21	INORG	Selenium	7782-49-2		U	1.30E+00	5.8E+03		3.9E+02	
SB-211	N		1	10/15/21	INORG	Silver	7440-22-4		U	1.70E-01	5.8E+03		3.9E+02	
SB-211	N		1	10/15/21	INORG	Thallium	7440-28-0		U	8.70E-01	1.2E+01		7.8E-01	
SB-211	N		1	10/15/21	INORG	Vanadium	7440-62-2	2.40E+01			5.8E+03	4.1E-03	3.9E+02	6.2E-02
SB-211	N		1	10/15/21	INORG	Zinc	7440-66-6	3.70E+01			3.5E+05	1.1E-04	2.3E+04	1.6E-03
SB-211	N	5	7	10/15/21	VOC	1,2-Dichlorobenzene	95-50-1		U	4.00E-01	9.3E+03		1.8E+03	
SB-211	N	5	7	10/15/21	VOC	1,3-Dichlorobenzene	541-73-1		U	4.00E-01	1.1E+02		2.6E+01	
SB-211	N	5	7	10/15/21	VOC	1,4-Dichlorobenzene	106-46-7		U	4.00E-01	1.1E+02		2.6E+01	
SB-211	N	5	7	10/15/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	4.00E-01	2.6E+02		5.8E+01	
SB-211	N	5	7	10/15/21	SVOC	Acenaphthene	83-32-9		U	2.00E-01	4.5E+04		3.6E+03	
SB-211	N	5	7	10/15/21	SVOC	Acenaphthylene	208-96-8		U	2.00E-01	2.3E+04		1.8E+03	
SB-211	N	5	7	10/15/21	SVOC	Acetophenone	98-86-2		U	4.00E-01	1.2E+05		7.8E+03	
SB-211	N	5	7	10/15/21	SVOC	Aniline	62-53-3		U	4.00E-01	4.0E+03		4.4E+02	
SB-211	N	5	7	10/15/21	SVOC	Anthracene	120-12-7		U	2.00E-01	2.3E+05		1.8E+04	
SB-211	N	5	7	10/15/21	SVOC	Benzidine	92-87-5		U	7.80E-01	1.0E-01		5.3E-03	
SB-211	N	5	7	10/15/21	SVOC	Benzo(a)anthracene	56-55-3		U	2.00E-01	2.1E+02		1.1E+01	
SB-211	N	5	7	10/15/21	SVOC	Benzo(a)pyrene	50-32-8		U	2.00E-01	2.1E+01		1.1E+00	
SB-211	N	5	7	10/15/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	2.00E-01	2.1E+02		1.1E+01	
SB-211	N	5	7	10/15/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	2.00E-01	2.3E+04		1.8E+03	
SB-211	N	5	7	10/15/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	2.00E-01	2.1E+03		1.1E+02	
SB-211	N	5	7	10/15/21	SVOC	Benzoic Acid	65-85-0		U	1.20E+00	3.3E+06		2.5E+05	
SB-211	N	5	7	10/15/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	4.00E-01	2.5E+03		1.9E+02	
SB-211	N	5	7	10/15/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	4.00E-01	1.0E+01		2.3E+00	
SB-211	N	5	7	10/15/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	4.00E-01	1.6E+03		3.9E+02	
SB-211	N	5	7	10/15/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	4.00E-01				
SB-211	N	5	7	10/15/21	SVOC	Butylbenzylphthalate	85-68-7		U	4.00E-01	1.2E+04		2.9E+03	
SB-211	N	5	7	10/15/21	SVOC	Carbazole	86-74-8		U	2.00E-01	3.0E+04		2.4E+03	
SB-211	N	5	7	10/15/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.80E-01	8.2E+04		6.3E+03	
SB-211	N	5	7	10/15/21	SVOC	4-Chloroaniline	106-47-8		U	7.80E-01	1.1E+02		2.7E+01	
SB-211	N	5	7	10/15/21	SVOC	2-Chloronaphthalene	91-58-7		U	4.00E-01	6.0E+04		4.8E+03	
SB-211	N	5	7	10/15/21	SVOC	2-Chlorophenol	95-57-8		U	4.00E-01	5.8E+03		3.9E+02	
SB-211	N	5	7	10/15/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	4.00E-01				
SB-211	N	5	7	10/15/21	SVOC	Chrysene	218-01-9		U	2.00E-01	2.1E+04		1.1E+03	
SB-211	N	5	7	10/15/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	2.00E-01	2.1E+01		1.1E+00	
SB-211	N	5	7	10/15/21	SVOC	Dibenzofuran	132-64-9		U	4.00E-01	1.2E+03		7.8E+01	
SB-211	N	5	7	10/15/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	2.00E-01	5.1E+01		1.2E+01	
SB-211	N	5	7	10/15/21	SVOC	2,4-Dichlorophenol	120-83-2		U	4.00E-01	2.5E+03		1.9E+02	
SB-211	N	5	7	10/15/21	SVOC	Diethylphthalate	84-66-2		U	4.00E-01	6.6E+05		5.1E+04	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-211	N	5	7	10/15/21	SVOC	2,4-Dimethylphenol	105-67-9		U	4.00E-01	1.6E+04		1.3E+03	
SB-211	N	5	7	10/15/21	SVOC	Dimethylphthalate	131-11-3		U	4.00E-01	6.6E+05		5.1E+04	
SB-211	N	5	7	10/15/21	SVOC	Di-n-butylphthalate	84-74-2		U	4.00E-01	8.2E+04		6.3E+03	
SB-211	N	5	7	10/15/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	4.00E-01	6.6E+01		5.1E+00	
SB-211	N	5	7	10/15/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.80E-01	1.6E+03		1.3E+02	
SB-211	N	5	7	10/15/21	SVOC	Di-n-octylphthalate	117-84-0		U	4.00E-01	8.2E+03		6.3E+02	
SB-211	N	5	7	10/15/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	4.00E-01	2.9E+01		6.8E+00	
SB-211	N	5	7	10/15/21	SVOC	Fluoranthene	206-44-0		U	2.00E-01	3.0E+04		2.4E+03	
SB-211	N	5	7	10/15/21	SVOC	Fluorene	86-73-7		U	2.00E-01	3.0E+04		2.4E+03	
SB-211	N	5	7	10/15/21	SVOC	Hexachlorobenzene	118-74-1		U	4.00E-01	9.6E+00		7.8E-01	
SB-211	N	5	7	10/15/21	SVOC	Hexachlorobutadiene	87-68-3		U	4.00E-01	5.3E+01		1.2E+01	
SB-211	N	5	7	10/15/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	4.00E-01	7.5E+00		1.8E+00	
SB-211	N	5	7	10/15/21	SVOC	Hexachloroethane	67-72-1		U	4.00E-01	8.0E+01		1.8E+01	
SB-211	N	5	7	10/15/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	2.00E-01	2.1E+02		1.1E+01	
SB-211	N	5	7	10/15/21	SVOC	Isophorone	78-59-1		U	4.00E-01	2.4E+04		5.7E+03	
SB-211	N	5	7	10/15/21	SVOC	1-Methylnaphthalene	90-12-0	1.10E-01	J	2.00E-01	7.3E+02	1.5E-04	1.8E+02	6.1E-04
SB-211	N	5	7	10/15/21	SVOC	2-Methylnaphthalene	91-57-6	2.00E-01		2.00E-01	3.0E+03	6.7E-05	2.4E+02	8.3E-04
SB-211	N	5	7	10/15/21	SVOC	2-Methylphenol	95-48-7		U	4.00E-01	4.1E+04		3.2E+03	
SB-211	N	5	7	10/15/21	SVOC	3&4-Methylphenol	65794-96-9		U	4.00E-01				
SB-211	N	5	7	10/15/21	SVOC	Naphthalene	91-20-3	1.30E-01	J	2.00E-01	8.6E+01	1.5E-03	2.0E+01	6.5E-03
SB-211	N	5	7	10/15/21	SVOC	2-Nitroaniline	88-74-4		U	4.00E-01	8.0E+03		6.3E+02	
SB-211	N	5	7	10/15/21	SVOC	3-Nitroaniline	99-09-2		U	4.00E-01	1.1E+03		2.5E+02	
SB-211	N	5	7	10/15/21	SVOC	4-Nitroaniline	100-01-6		U	4.00E-01	1.1E+03		2.5E+02	
SB-211	N	5	7	10/15/21	SVOC	2-Nitrophenol	88-75-5		U	4.00E-01				
SB-211	N	5	7	10/15/21	SVOC	4-Nitrophenol	100-02-7		U	7.80E-01				
SB-211	N	5	7	10/15/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	4.00E-01	3.4E-01		2.0E-02	
SB-211	N	5	7	10/15/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	4.00E-01	4.7E+03		1.1E+03	
SB-211	N	5	7	10/15/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	4.00E-01	3.3E+00		7.8E-01	
SB-211	N	5	7	10/15/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	4.00E-01	4.7E+04		3.1E+03	
SB-211	N	5	7	10/15/21	SVOC	Pentachloronitrobenzene	82-68-8		U	4.00E-01	1.3E+02		2.7E+01	
SB-211	N	5	7	10/15/21	SVOC	Pentachlorophenol	87-86-5		U	4.00E-01	4.0E+01		1.0E+01	
SB-211	N	5	7	10/15/21	SVOC	Phenanthrene	85-01-8	7.70E-02	J	2.00E-01	2.3E+04	3.3E-06	1.8E+03	4.3E-05
SB-211	N	5	7	10/15/21	SVOC	Phenol	108-95-2		U	4.00E-01	2.5E+05		1.9E+04	
SB-211	N	5	7	10/15/21	SVOC	Pyrene	129-00-0		U	2.00E-01	2.3E+04		1.8E+03	
SB-211	N	5	7	10/15/21	SVOC	Pyridine	110-86-1		U	4.00E-01	1.2E+03		7.8E+01	
SB-211	N	5	7	10/15/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	4.00E-01	3.5E+01		2.3E+00	
SB-211	N	5	7	10/15/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	4.00E-01	8.2E+04		6.3E+03	
SB-211	N	5	7	10/15/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	4.00E-01	8.2E+02		6.3E+01	
SB-211	N	5	7	10/15/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	4.00E-01	7.4E+01		1.7E+01	
SB-211	N	5	7	10/15/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	4.00E-01	1.5E+01		3.6E+00	
SB-211	N	5	7	10/15/21	NITRO	Nitrobenzene	98-95-3		U	4.00E-01	2.2E+02		5.1E+01	
SB-211	N	5	7	10/15/21	INORG	Aluminum	7429-90-5	8.60E+03			1.1E+06	7.8E-03	7.7E+04	1.1E-01
SB-211	N	5	7	10/15/21	INORG	Antimony	7440-36-0		U	7.70E-01	4.7E+02		3.1E+01	
SB-211	N	5	7	10/15/21	INORG	Arsenic	7440-38-2	7.50E+00			3.0E+01	2.5E-01	6.8E+00	1.1E+00

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-211	N	5	7	10/15/21	INORG	Barium	7440-39-3	6.80E+01			2.2E+05	3.1E-04	1.5E+04	4.5E-03
SB-211	N	5	7	10/15/21	INORG	Beryllium	7440-41-7	7.50E-01			2.3E+03	3.3E-04	1.6E+02	4.7E-03
SB-211	N	5	7	10/15/21	INORG	Cadmium	7440-43-9		U	1.90E-01	1.0E+02		7.1E+00	
SB-211	N	5	7	10/15/21	INORG	Chromium (total)	7440-47-3	1.50E+01			1.8E+06	8.3E-06	1.2E+05	1.3E-04
SB-211	N	5	7	10/15/21	INORG	Cobalt	7440-48-4	1.20E+01			3.5E+02	3.4E-02	2.3E+01	5.2E-01
SB-211	N	5	7	10/15/21	INORG	Copper	7440-50-8	2.30E+01			4.7E+04	4.9E-04	3.1E+03	7.4E-03
SB-211	N	5	7	10/15/21	INORG	Cyanide (total)	57-12-5		U	3.00E-01	1.5E+02		2.3E+01	
SB-211	N	5	7	10/15/21	INORG	Iron	7439-89-6	3.20E+04			8.2E+05	3.9E-02	5.5E+04	5.8E-01
SB-211	N	5	7	10/15/21	INORG	Lead	7439-92-1	2.20E+01			8.0E+02	2.8E-02	2.0E+02	1.1E-01
SB-211	N	5	7	10/15/21	INORG	Manganese	7439-96-5	1.90E+02			2.6E+04	7.3E-03	1.8E+03	1.1E-01
SB-211	N	5	7	10/15/21	INORG	Mercury	7439-97-6	4.80E-02			4.1E+01	1.2E-03	7.4E+00	6.5E-03
SB-211	N	5	7	10/15/21	INORG	Nickel	7440-02-0	1.70E+01			2.2E+04	7.7E-04	1.5E+03	1.1E-02
SB-211	N	5	7	10/15/21	INORG	Selenium	7782-49-2		U	1.40E+00	5.8E+03		3.9E+02	
SB-211	N	5	7	10/15/21	INORG	Silver	7440-22-4		U	1.70E-01	5.8E+03		3.9E+02	
SB-211	N	5	7	10/15/21	INORG	Thallium	7440-28-0		U	9.20E-01	1.2E+01		7.8E-01	
SB-211	N	5	7	10/15/21	INORG	Vanadium	7440-62-2	2.70E+01			5.8E+03	4.7E-03	3.9E+02	6.9E-02
SB-211	N	5	7	10/15/21	INORG	Zinc	7440-66-6	5.90E+01			3.5E+05	1.7E-04	2.3E+04	2.6E-03
SB-211	N	15	17	10/15/21	VOC	1,2-Dichlorobenzene	95-50-1		U	3.70E-01	9.3E+03		1.8E+03	
SB-211	N	15	17	10/15/21	VOC	1,3-Dichlorobenzene	541-73-1		U	3.70E-01	1.1E+02		2.6E+01	
SB-211	N	15	17	10/15/21	VOC	1,4-Dichlorobenzene	106-46-7		U	3.70E-01	1.1E+02		2.6E+01	
SB-211	N	15	17	10/15/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	3.70E-01	2.6E+02		5.8E+01	
SB-211	N	15	17	10/15/21	SVOC	Acenaphthene	83-32-9		U	1.90E-01	4.5E+04		3.6E+03	
SB-211	N	15	17	10/15/21	SVOC	Acenaphthylene	208-96-8		U	1.90E-01	2.3E+04		1.8E+03	
SB-211	N	15	17	10/15/21	SVOC	Acetophenone	98-86-2		U	3.70E-01	1.2E+05		7.8E+03	
SB-211	N	15	17	10/15/21	SVOC	Aniline	62-53-3		U	3.70E-01	4.0E+03		4.4E+02	
SB-211	N	15	17	10/15/21	SVOC	Anthracene	120-12-7		U	1.90E-01	2.3E+05		1.8E+04	
SB-211	N	15	17	10/15/21	SVOC	Benzidine	92-87-5		U	7.20E-01	1.0E-01		5.3E-03	
SB-211	N	15	17	10/15/21	SVOC	Benzo(a)anthracene	56-55-3		U	1.90E-01	2.1E+02		1.1E+01	
SB-211	N	15	17	10/15/21	SVOC	Benzo(a)pyrene	50-32-8		U	1.90E-01	2.1E+01		1.1E+00	
SB-211	N	15	17	10/15/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	1.90E-01	2.1E+02		1.1E+01	
SB-211	N	15	17	10/15/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	1.90E-01	2.3E+04		1.8E+03	
SB-211	N	15	17	10/15/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	1.90E-01	2.1E+03		1.1E+02	
SB-211	N	15	17	10/15/21	SVOC	Benzoic Acid	65-85-0		U	1.10E+00	3.3E+06		2.5E+05	
SB-211	N	15	17	10/15/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	3.70E-01	2.5E+03		1.9E+02	
SB-211	N	15	17	10/15/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	3.70E-01	1.0E+01		2.3E+00	
SB-211	N	15	17	10/15/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	3.70E-01	1.6E+03		3.9E+02	
SB-211	N	15	17	10/15/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	3.70E-01				
SB-211	N	15	17	10/15/21	SVOC	Butylbenzylphthalate	85-68-7		U	3.70E-01	1.2E+04		2.9E+03	
SB-211	N	15	17	10/15/21	SVOC	Carbazole	86-74-8		U	1.90E-01	3.0E+04		2.4E+03	
SB-211	N	15	17	10/15/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.20E-01	8.2E+04		6.3E+03	
SB-211	N	15	17	10/15/21	SVOC	4-Chloroaniline	106-47-8		U	7.20E-01	1.1E+02		2.7E+01	
SB-211	N	15	17	10/15/21	SVOC	2-Chloronaphthalene	91-58-7		U	3.70E-01	6.0E+04		4.8E+03	
SB-211	N	15	17	10/15/21	SVOC	2-Chlorophenol	95-57-8		U	3.70E-01	5.8E+03		3.9E+02	
SB-211	N	15	17	10/15/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	3.70E-01				

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-211	N	15	17	10/15/21	SVOC	Chrysene	218-01-9		U	1.90E-01	2.1E+04		1.1E+03	
SB-211	N	15	17	10/15/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	1.90E-01	2.1E+01		1.1E+00	
SB-211	N	15	17	10/15/21	SVOC	Dibenzofuran	132-64-9		U	3.70E-01	1.2E+03		7.8E+01	
SB-211	N	15	17	10/15/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	1.90E-01	5.1E+01		1.2E+01	
SB-211	N	15	17	10/15/21	SVOC	2,4-Dichlorophenol	120-83-2		U	3.70E-01	2.5E+03		1.9E+02	
SB-211	N	15	17	10/15/21	SVOC	Diethylphthalate	84-66-2		U	3.70E-01	6.6E+05		5.1E+04	
SB-211	N	15	17	10/15/21	SVOC	2,4-Dimethylphenol	105-67-9		U	3.70E-01	1.6E+04		1.3E+03	
SB-211	N	15	17	10/15/21	SVOC	Dimethylphthalate	131-11-3		U	3.70E-01	6.6E+05		5.1E+04	
SB-211	N	15	17	10/15/21	SVOC	Di-n-butylphthalate	84-74-2		U	3.70E-01	8.2E+04		6.3E+03	
SB-211	N	15	17	10/15/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	3.70E-01	6.6E+01		5.1E+00	
SB-211	N	15	17	10/15/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.20E-01	1.6E+03		1.3E+02	
SB-211	N	15	17	10/15/21	SVOC	Di-n-octylphthalate	117-84-0		U	3.70E-01	8.2E+03		6.3E+02	
SB-211	N	15	17	10/15/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	3.70E-01	2.9E+01		6.8E+00	
SB-211	N	15	17	10/15/21	SVOC	Fluoranthene	206-44-0		U	1.90E-01	3.0E+04		2.4E+03	
SB-211	N	15	17	10/15/21	SVOC	Fluorene	86-73-7		U	1.90E-01	3.0E+04		2.4E+03	
SB-211	N	15	17	10/15/21	SVOC	Hexachlorobenzene	118-74-1		U	3.70E-01	9.6E+00		7.8E-01	
SB-211	N	15	17	10/15/21	SVOC	Hexachlorobutadiene	87-68-3		U	3.70E-01	5.3E+01		1.2E+01	
SB-211	N	15	17	10/15/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	3.70E-01	7.5E+00		1.8E+00	
SB-211	N	15	17	10/15/21	SVOC	Hexachloroethane	67-72-1		U	3.70E-01	8.0E+01		1.8E+01	
SB-211	N	15	17	10/15/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	1.90E-01	2.1E+02		1.1E+01	
SB-211	N	15	17	10/15/21	SVOC	Isophorone	78-59-1		U	3.70E-01	2.4E+04		5.7E+03	
SB-211	N	15	17	10/15/21	SVOC	1-Methylnaphthalene	90-12-0	1.20E-01	J	1.90E-01	7.3E+02	1.6E-04	1.8E+02	6.7E-04
SB-211	N	15	17	10/15/21	SVOC	2-Methylnaphthalene	91-57-6	2.00E-01		1.90E-01	3.0E+03	6.7E-05	2.4E+02	8.3E-04
SB-211	N	15	17	10/15/21	SVOC	2-Methylphenol	95-48-7		U	3.70E-01	4.1E+04		3.2E+03	
SB-211	N	15	17	10/15/21	SVOC	3&4-Methylphenol	65794-96-9		U	3.70E-01				
SB-211	N	15	17	10/15/21	SVOC	Naphthalene	91-20-3	1.30E-01	J	1.90E-01	8.6E+01	1.5E-03	2.0E+01	6.5E-03
SB-211	N	15	17	10/15/21	SVOC	2-Nitroaniline	88-74-4		U	3.70E-01	8.0E+03		6.3E+02	
SB-211	N	15	17	10/15/21	SVOC	3-Nitroaniline	99-09-2		U	3.70E-01	1.1E+03		2.5E+02	
SB-211	N	15	17	10/15/21	SVOC	4-Nitroaniline	100-01-6		U	3.70E-01	1.1E+03		2.5E+02	
SB-211	N	15	17	10/15/21	SVOC	2-Nitrophenol	88-75-5		U	3.70E-01				
SB-211	N	15	17	10/15/21	SVOC	4-Nitrophenol	100-02-7		U	7.20E-01				
SB-211	N	15	17	10/15/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	3.70E-01	3.4E-01		2.0E-02	
SB-211	N	15	17	10/15/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	3.70E-01	4.7E+03		1.1E+03	
SB-211	N	15	17	10/15/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	3.70E-01	3.3E+00		7.8E-01	
SB-211	N	15	17	10/15/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	3.70E-01	4.7E+04		3.1E+03	
SB-211	N	15	17	10/15/21	SVOC	Pentachloronitrobenzene	82-68-8		U	3.70E-01	1.3E+02		2.7E+01	
SB-211	N	15	17	10/15/21	SVOC	Pentachlorophenol	87-86-5		U	3.70E-01	4.0E+01		1.0E+01	
SB-211	N	15	17	10/15/21	SVOC	Phenanthrene	85-01-8	7.40E-02	J	1.90E-01	2.3E+04	3.2E-06	1.8E+03	4.1E-05
SB-211	N	15	17	10/15/21	SVOC	Phenol	108-95-2		U	3.70E-01	2.5E+05		1.9E+04	
SB-211	N	15	17	10/15/21	SVOC	Pyrene	129-00-0		U	1.90E-01	2.3E+04		1.8E+03	
SB-211	N	15	17	10/15/21	SVOC	Pyridine	110-86-1		U	3.70E-01	1.2E+03		7.8E+01	
SB-211	N	15	17	10/15/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	3.70E-01	3.5E+01		2.3E+00	
SB-211	N	15	17	10/15/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	3.70E-01	8.2E+04		6.3E+03	
SB-211	N	15	17	10/15/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	3.70E-01	8.2E+02		6.3E+01	



**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-211	N	15	17	10/15/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	3.70E-01	7.4E+01		1.7E+01	
SB-211	N	15	17	10/15/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	3.70E-01	1.5E+01		3.6E+00	
SB-211	N	15	17	10/15/21	NITRO	Nitrobenzene	98-95-3		U	3.70E-01	2.2E+02		5.1E+01	
SB-211	N	15	17	10/15/21	INORG	Aluminum	7429-90-5	3.90E+03			1.1E+06	3.5E-03	7.7E+04	5.1E-02
SB-211	N	15	17	10/15/21	INORG	Antimony	7440-36-0		U	7.00E-01	4.7E+02		3.1E+01	
SB-211	N	15	17	10/15/21	INORG	Arsenic	7440-38-2	5.60E+00			3.0E+01	1.9E-01	6.8E+00	8.2E-01
SB-211	N	15	17	10/15/21	INORG	Barium	7440-39-3	2.40E+01			2.2E+05	1.1E-04	1.5E+04	1.6E-03
SB-211	N	15	17	10/15/21	INORG	Beryllium	7440-41-7	5.30E-01			2.3E+03	2.3E-04	1.6E+02	3.3E-03
SB-211	N	15	17	10/15/21	INORG	Cadmium	7440-43-9		U	1.80E-01	1.0E+02		7.1E+00	
SB-211	N	15	17	10/15/21	INORG	Chromium (total)	7440-47-3	1.20E+01			1.8E+06	6.7E-06	1.2E+05	1.0E-04
SB-211	N	15	17	10/15/21	INORG	Cobalt	7440-48-4	7.70E+00			3.5E+02	2.2E-02	2.3E+01	3.3E-01
SB-211	N	15	17	10/15/21	INORG	Copper	7440-50-8	8.30E+00			4.7E+04	1.8E-04	3.1E+03	2.7E-03
SB-211	N	15	17	10/15/21	INORG	Cyanide (total)	57-12-5		U	3.70E-01	1.5E+02		2.3E+01	
SB-211	N	15	17	10/15/21	INORG	Iron	7439-89-6	2.90E+04			8.2E+05	3.5E-02	5.5E+04	5.3E-01
SB-211	N	15	17	10/15/21	INORG	Lead	7439-92-1	5.10E+00			8.0E+02	6.4E-03	2.0E+02	2.6E-02
SB-211	N	15	17	10/15/21	INORG	Manganese	7439-96-5	1.40E+02			2.6E+04	5.4E-03	1.8E+03	7.8E-02
SB-211	N	15	17	10/15/21	INORG	Mercury	7439-97-6	1.40E-02			4.1E+01	3.4E-04	7.4E+00	1.9E-03
SB-211	N	15	17	10/15/21	INORG	Nickel	7440-02-0	1.10E+01			2.2E+04	5.0E-04	1.5E+03	7.3E-03
SB-211	N	15	17	10/15/21	INORG	Selenium	7782-49-2		U	1.20E+00	5.8E+03		3.9E+02	
SB-211	N	15	17	10/15/21	INORG	Silver	7440-22-4		U	1.60E-01	5.8E+03		3.9E+02	
SB-211	N	15	17	10/15/21	INORG	Thallium	7440-28-0		U	8.40E-01	1.2E+01		7.8E-01	
SB-211	N	15	17	10/15/21	INORG	Vanadium	7440-62-2	1.70E+01			5.8E+03	2.9E-03	3.9E+02	4.4E-02
SB-211	N	15	17	10/15/21	INORG	Zinc	7440-66-6	2.10E+01			3.5E+05	6.0E-05	2.3E+04	9.1E-04
SB-212	FD		2	10/15/21	VOC	1,2-Dichlorobenzene	95-50-1		U	3.90E-01	9.3E+03		1.8E+03	
SB-212	N		2	10/15/21	VOC	1,2-Dichlorobenzene	95-50-1		U	3.80E-01	9.3E+03		1.8E+03	
SB-212	FD		2	10/15/21	VOC	1,3-Dichlorobenzene	541-73-1		U	3.90E-01	1.1E+02		2.6E+01	
SB-212	N		2	10/15/21	VOC	1,3-Dichlorobenzene	541-73-1		U	3.80E-01	1.1E+02		2.6E+01	
SB-212	FD		2	10/15/21	VOC	1,4-Dichlorobenzene	106-46-7		U	3.90E-01	1.1E+02		2.6E+01	
SB-212	N		2	10/15/21	VOC	1,4-Dichlorobenzene	106-46-7		U	3.80E-01	1.1E+02		2.6E+01	
SB-212	FD		2	10/15/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	3.90E-01	2.6E+02		5.8E+01	
SB-212	N		2	10/15/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	3.80E-01	2.6E+02		5.8E+01	
SB-212	FD		2	10/15/21	SVOC	Acenaphthene	83-32-9		U	2.00E-01	4.5E+04		3.6E+03	
SB-212	N		2	10/15/21	SVOC	Acenaphthene	83-32-9		U	1.90E-01	4.5E+04		3.6E+03	
SB-212	FD		2	10/15/21	SVOC	Acenaphthylene	208-96-8		U	2.00E-01	2.3E+04		1.8E+03	
SB-212	N		2	10/15/21	SVOC	Acenaphthylene	208-96-8		U	1.90E-01	2.3E+04		1.8E+03	
SB-212	FD		2	10/15/21	SVOC	Acetophenone	98-86-2		U	3.90E-01	1.2E+05		7.8E+03	
SB-212	N		2	10/15/21	SVOC	Acetophenone	98-86-2		U	3.80E-01	1.2E+05		7.8E+03	
SB-212	FD		2	10/15/21	SVOC	Aniline	62-53-3		U	3.90E-01	4.0E+03		4.4E+02	
SB-212	N		2	10/15/21	SVOC	Aniline	62-53-3		U	3.80E-01	4.0E+03		4.4E+02	
SB-212	FD		2	10/15/21	SVOC	Anthracene	120-12-7		U	2.00E-01	2.3E+05		1.8E+04	
SB-212	N		2	10/15/21	SVOC	Anthracene	120-12-7		U	1.90E-01	2.3E+05		1.8E+04	
SB-212	FD		2	10/15/21	SVOC	Benzidine	92-87-5		U	7.60E-01	1.0E-01		5.3E-03	
SB-212	N		2	10/15/21	SVOC	Benzidine	92-87-5		U	7.40E-01	1.0E-01		5.3E-03	
SB-212	FD		2	10/15/21	SVOC	Benzo(a)anthracene	56-55-3		U	2.00E-01	2.1E+02		1.1E+01	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-212	N		2	10/15/21	SVOC	Benzo(a)anthracene	56-55-3		U	1.90E-01	2.1E+02		1.1E+01	
SB-212	FD		2	10/15/21	SVOC	Benzo(a)pyrene	50-32-8		U	2.00E-01	2.1E+01		1.1E+00	
SB-212	N		2	10/15/21	SVOC	Benzo(a)pyrene	50-32-8		U	1.90E-01	2.1E+01		1.1E+00	
SB-212	FD		2	10/15/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	2.00E-01	2.1E+02		1.1E+01	
SB-212	N		2	10/15/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	1.90E-01	2.1E+02		1.1E+01	
SB-212	FD		2	10/15/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	2.00E-01	2.3E+04		1.8E+03	
SB-212	N		2	10/15/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	1.90E-01	2.3E+04		1.8E+03	
SB-212	FD		2	10/15/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	2.00E-01	2.1E+03		1.1E+02	
SB-212	N		2	10/15/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	1.90E-01	2.1E+03		1.1E+02	
SB-212	FD		2	10/15/21	SVOC	Benzoic Acid	65-85-0		U	1.10E+00	3.3E+06		2.5E+05	
SB-212	N		2	10/15/21	SVOC	Benzoic Acid	65-85-0		U	1.10E+00	3.3E+06		2.5E+05	
SB-212	FD		2	10/15/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	3.90E-01	2.5E+03		1.9E+02	
SB-212	N		2	10/15/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	3.80E-01	2.5E+03		1.9E+02	
SB-212	FD		2	10/15/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	3.90E-01	1.0E+01		2.3E+00	
SB-212	N		2	10/15/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	3.80E-01	1.0E+01		2.3E+00	
SB-212	FD		2	10/15/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	3.90E-01	1.6E+03		3.9E+02	
SB-212	N		2	10/15/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	3.80E-01	1.6E+03		3.9E+02	
SB-212	FD		2	10/15/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	3.90E-01				
SB-212	N		2	10/15/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	3.80E-01				
SB-212	FD		2	10/15/21	SVOC	Butylbenzylphthalate	85-68-7		U	3.90E-01	1.2E+04		2.9E+03	
SB-212	N		2	10/15/21	SVOC	Butylbenzylphthalate	85-68-7		U	3.80E-01	1.2E+04		2.9E+03	
SB-212	FD		2	10/15/21	SVOC	Carbazole	86-74-8		U	2.00E-01	3.0E+04		2.4E+03	
SB-212	N		2	10/15/21	SVOC	Carbazole	86-74-8		U	1.90E-01	3.0E+04		2.4E+03	
SB-212	FD		2	10/15/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.60E-01	8.2E+04		6.3E+03	
SB-212	N		2	10/15/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.40E-01	8.2E+04		6.3E+03	
SB-212	FD		2	10/15/21	SVOC	4-Chloroaniline	106-47-8		U	7.60E-01	1.1E+02		2.7E+01	
SB-212	N		2	10/15/21	SVOC	4-Chloroaniline	106-47-8		U	7.40E-01	1.1E+02		2.7E+01	
SB-212	FD		2	10/15/21	SVOC	2-Chloronaphthalene	91-58-7		U	3.90E-01	6.0E+04		4.8E+03	
SB-212	N		2	10/15/21	SVOC	2-Chloronaphthalene	91-58-7		U	3.80E-01	6.0E+04		4.8E+03	
SB-212	FD		2	10/15/21	SVOC	2-Chlorophenol	95-57-8		U	3.90E-01	5.8E+03		3.9E+02	
SB-212	N		2	10/15/21	SVOC	2-Chlorophenol	95-57-8		U	3.80E-01	5.8E+03		3.9E+02	
SB-212	FD		2	10/15/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	3.90E-01				
SB-212	N		2	10/15/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	3.80E-01				
SB-212	FD		2	10/15/21	SVOC	Chrysene	218-01-9		U	2.00E-01	2.1E+04		1.1E+03	
SB-212	N		2	10/15/21	SVOC	Chrysene	218-01-9		U	1.90E-01	2.1E+04		1.1E+03	
SB-212	FD		2	10/15/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	2.00E-01	2.1E+01		1.1E+00	
SB-212	N		2	10/15/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	1.90E-01	2.1E+01		1.1E+00	
SB-212	FD		2	10/15/21	SVOC	Dibenzofuran	132-64-9		U	3.90E-01	1.2E+03		7.8E+01	
SB-212	N		2	10/15/21	SVOC	Dibenzofuran	132-64-9		U	3.80E-01	1.2E+03		7.8E+01	
SB-212	FD		2	10/15/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	2.00E-01	5.1E+01		1.2E+01	
SB-212	N		2	10/15/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	1.90E-01	5.1E+01		1.2E+01	
SB-212	FD		2	10/15/21	SVOC	2,4-Dichlorophenol	120-83-2		U	3.90E-01	2.5E+03		1.9E+02	
SB-212	N		2	10/15/21	SVOC	2,4-Dichlorophenol	120-83-2		U	3.80E-01	2.5E+03		1.9E+02	
SB-212	FD		2	10/15/21	SVOC	Diethylphthalate	84-66-2		U	3.90E-01	6.6E+05		5.1E+04	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-212	N		2	10/15/21	SVOC	Diethylphthalate	84-66-2		U	3.80E-01	6.6E+05		5.1E+04	
SB-212	FD		2	10/15/21	SVOC	2,4-Dimethylphenol	105-67-9		U	3.90E-01	1.6E+04		1.3E+03	
SB-212	N		2	10/15/21	SVOC	2,4-Dimethylphenol	105-67-9		U	3.80E-01	1.6E+04		1.3E+03	
SB-212	FD		2	10/15/21	SVOC	Dimethylphthalate	131-11-3		U	3.90E-01	6.6E+05		5.1E+04	
SB-212	N		2	10/15/21	SVOC	Dimethylphthalate	131-11-3		U	3.80E-01	6.6E+05		5.1E+04	
SB-212	FD		2	10/15/21	SVOC	Di-n-butylphthalate	84-74-2		U	3.90E-01	8.2E+04		6.3E+03	
SB-212	N		2	10/15/21	SVOC	Di-n-butylphthalate	84-74-2		U	3.80E-01	8.2E+04		6.3E+03	
SB-212	FD		2	10/15/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	3.90E-01	6.6E+01		5.1E+00	
SB-212	N		2	10/15/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	3.80E-01	6.6E+01		5.1E+00	
SB-212	FD		2	10/15/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.60E-01	1.6E+03		1.3E+02	
SB-212	N		2	10/15/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.40E-01	1.6E+03		1.3E+02	
SB-212	FD		2	10/15/21	SVOC	Di-n-octylphthalate	117-84-0		U	3.90E-01	8.2E+03		6.3E+02	
SB-212	N		2	10/15/21	SVOC	Di-n-octylphthalate	117-84-0		U	3.80E-01	8.2E+03		6.3E+02	
SB-212	FD		2	10/15/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	3.90E-01	2.9E+01		6.8E+00	
SB-212	N		2	10/15/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	3.80E-01	2.9E+01		6.8E+00	
SB-212	FD		2	10/15/21	SVOC	Fluoranthene	206-44-0		U	2.00E-01	3.0E+04		2.4E+03	
SB-212	N		2	10/15/21	SVOC	Fluoranthene	206-44-0		U	1.90E-01	3.0E+04		2.4E+03	
SB-212	FD		2	10/15/21	SVOC	Fluorene	86-73-7		U	2.00E-01	3.0E+04		2.4E+03	
SB-212	N		2	10/15/21	SVOC	Fluorene	86-73-7		U	1.90E-01	3.0E+04		2.4E+03	
SB-212	FD		2	10/15/21	SVOC	Hexachlorobenzene	118-74-1		U	3.90E-01	9.6E+00		7.8E-01	
SB-212	N		2	10/15/21	SVOC	Hexachlorobenzene	118-74-1		U	3.80E-01	9.6E+00		7.8E-01	
SB-212	FD		2	10/15/21	SVOC	Hexachlorobutadiene	87-68-3		U	3.90E-01	5.3E+01		1.2E+01	
SB-212	N		2	10/15/21	SVOC	Hexachlorobutadiene	87-68-3		U	3.80E-01	5.3E+01		1.2E+01	
SB-212	FD		2	10/15/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	3.90E-01	7.5E+00		1.8E+00	
SB-212	N		2	10/15/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	3.80E-01	7.5E+00		1.8E+00	
SB-212	FD		2	10/15/21	SVOC	Hexachloroethane	67-72-1		U	3.90E-01	8.0E+01		1.8E+01	
SB-212	N		2	10/15/21	SVOC	Hexachloroethane	67-72-1		U	3.80E-01	8.0E+01		1.8E+01	
SB-212	FD		2	10/15/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	2.00E-01	2.1E+02		1.1E+01	
SB-212	N		2	10/15/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	1.90E-01	2.1E+02		1.1E+01	
SB-212	FD		2	10/15/21	SVOC	Isophorone	78-59-1		U	3.90E-01	2.4E+04		5.7E+03	
SB-212	N		2	10/15/21	SVOC	Isophorone	78-59-1		U	3.80E-01	2.4E+04		5.7E+03	
SB-212	FD		2	10/15/21	SVOC	1-Methylnaphthalene	90-12-0	5.60E-02	J	2.00E-01	7.3E+02	7.7E-05	1.8E+02	3.1E-04
SB-212	N		2	10/15/21	SVOC	1-Methylnaphthalene	90-12-0		U	1.90E-01	7.3E+02		1.8E+02	
SB-212	FD		2	10/15/21	SVOC	2-Methylnaphthalene	91-57-6	8.40E-02	J	2.00E-01	3.0E+03	2.8E-05	2.4E+02	3.5E-04
SB-212	N		2	10/15/21	SVOC	2-Methylnaphthalene	91-57-6		U	1.90E-01	3.0E+03		2.4E+02	
SB-212	FD		2	10/15/21	SVOC	2-Methylphenol	95-48-7		U	3.90E-01	4.1E+04		3.2E+03	
SB-212	N		2	10/15/21	SVOC	2-Methylphenol	95-48-7		U	3.80E-01	4.1E+04		3.2E+03	
SB-212	FD		2	10/15/21	SVOC	3&4-Methylphenol	65794-96-9		U	3.90E-01				
SB-212	N		2	10/15/21	SVOC	3&4-Methylphenol	65794-96-9		U	3.80E-01				
SB-212	FD		2	10/15/21	SVOC	Naphthalene	91-20-3	5.60E-02	J	2.00E-01	8.6E+01	6.5E-04	2.0E+01	2.8E-03
SB-212	N		2	10/15/21	SVOC	Naphthalene	91-20-3		U	1.90E-01	8.6E+01		2.0E+01	
SB-212	FD		2	10/15/21	SVOC	2-Nitroaniline	88-74-4		U	3.90E-01	8.0E+03		6.3E+02	
SB-212	N		2	10/15/21	SVOC	2-Nitroaniline	88-74-4		U	3.80E-01	8.0E+03		6.3E+02	
SB-212	FD		2	10/15/21	SVOC	3-Nitroaniline	99-09-2		U	3.90E-01	1.1E+03		2.5E+02	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-212	N		2	10/15/21	SVOC	3-Nitroaniline	99-09-2		U	3.80E-01	1.1E+03		2.5E+02	
SB-212	FD		2	10/15/21	SVOC	4-Nitroaniline	100-01-6		U	3.90E-01	1.1E+03		2.5E+02	
SB-212	N		2	10/15/21	SVOC	4-Nitroaniline	100-01-6		U	3.80E-01	1.1E+03		2.5E+02	
SB-212	FD		2	10/15/21	SVOC	2-Nitrophenol	88-75-5		U	3.90E-01				
SB-212	N		2	10/15/21	SVOC	2-Nitrophenol	88-75-5		U	3.80E-01				
SB-212	FD		2	10/15/21	SVOC	4-Nitrophenol	100-02-7		U	7.60E-01				
SB-212	N		2	10/15/21	SVOC	4-Nitrophenol	100-02-7		U	7.40E-01				
SB-212	FD		2	10/15/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	3.90E-01	3.4E-01		2.0E-02	
SB-212	N		2	10/15/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	3.80E-01	3.4E-01		2.0E-02	
SB-212	FD		2	10/15/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	3.90E-01	4.7E+03		1.1E+03	
SB-212	N		2	10/15/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	3.80E-01	4.7E+03		1.1E+03	
SB-212	FD		2	10/15/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	3.90E-01	3.3E+00		7.8E-01	
SB-212	N		2	10/15/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	3.80E-01	3.3E+00		7.8E-01	
SB-212	FD		2	10/15/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	3.90E-01	4.7E+04		3.1E+03	
SB-212	N		2	10/15/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	3.80E-01	4.7E+04		3.1E+03	
SB-212	FD		2	10/15/21	SVOC	Pentachloronitrobenzene	82-68-8		U	3.90E-01	1.3E+02		2.7E+01	
SB-212	N		2	10/15/21	SVOC	Pentachloronitrobenzene	82-68-8		U	3.80E-01	1.3E+02		2.7E+01	
SB-212	FD		2	10/15/21	SVOC	Pentachlorophenol	87-86-5		U	3.90E-01	4.0E+01		1.0E+01	
SB-212	N		2	10/15/21	SVOC	Pentachlorophenol	87-86-5		U	3.80E-01	4.0E+01		1.0E+01	
SB-212	FD		2	10/15/21	SVOC	Phenanthrene	85-01-8	7.10E-02	J	2.00E-01	2.3E+04	3.1E-06	1.8E+03	3.9E-05
SB-212	N		2	10/15/21	SVOC	Phenanthrene	85-01-8		U	1.90E-01	2.3E+04		1.8E+03	
SB-212	FD		2	10/15/21	SVOC	Phenol	108-95-2		U	3.90E-01	2.5E+05		1.9E+04	
SB-212	N		2	10/15/21	SVOC	Phenol	108-95-2		U	3.80E-01	2.5E+05		1.9E+04	
SB-212	FD		2	10/15/21	SVOC	Pyrene	129-00-0		U	2.00E-01	2.3E+04		1.8E+03	
SB-212	N		2	10/15/21	SVOC	Pyrene	129-00-0		U	1.90E-01	2.3E+04		1.8E+03	
SB-212	FD		2	10/15/21	SVOC	Pyridine	110-86-1		U	3.90E-01	1.2E+03		7.8E+01	
SB-212	N		2	10/15/21	SVOC	Pyridine	110-86-1		U	3.80E-01	1.2E+03		7.8E+01	
SB-212	FD		2	10/15/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	3.90E-01	3.5E+01		2.3E+00	
SB-212	N		2	10/15/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	3.80E-01	3.5E+01		2.3E+00	
SB-212	FD		2	10/15/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	3.90E-01	8.2E+04		6.3E+03	
SB-212	N		2	10/15/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	3.80E-01	8.2E+04		6.3E+03	
SB-212	FD		2	10/15/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	3.90E-01	8.2E+02		6.3E+01	
SB-212	N		2	10/15/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	3.80E-01	8.2E+02		6.3E+01	
SB-212	FD		2	10/15/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	3.90E-01	7.4E+01		1.7E+01	
SB-212	N		2	10/15/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	3.80E-01	7.4E+01		1.7E+01	
SB-212	FD		2	10/15/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	3.90E-01	1.5E+01		3.6E+00	
SB-212	N		2	10/15/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	3.80E-01	1.5E+01		3.6E+00	
SB-212	FD		2	10/15/21	NITRO	Nitrobenzene	98-95-3		U	3.90E-01	2.2E+02		5.1E+01	
SB-212	N		2	10/15/21	NITRO	Nitrobenzene	98-95-3		U	3.80E-01	2.2E+02		5.1E+01	
SB-212	FD		2	10/15/21	INORG	Aluminum	7429-90-5	8.30E+03			1.1E+06	7.5E-03	7.7E+04	1.1E-01
SB-212	N		2	10/15/21	INORG	Aluminum	7429-90-5	9.50E+03			1.1E+06	8.6E-03	7.7E+04	1.2E-01
SB-212	FD		2	10/15/21	INORG	Antimony	7440-36-0	1.50E+00			4.7E+02	3.2E-03	3.1E+01	4.8E-02
SB-212	N		2	10/15/21	INORG	Antimony	7440-36-0	1.50E+00			4.7E+02	3.2E-03	3.1E+01	4.8E-02
SB-212	FD		2	10/15/21	INORG	Arsenic	7440-38-2	5.50E+00			3.0E+01	1.8E-01	6.8E+00	8.1E-01

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-212	N		2	10/15/21	INORG	Arsenic	7440-38-2	4.70E+00			3.0E+01	1.6E-01	6.8E+00	6.9E-01
SB-212	FD		2	10/15/21	INORG	Barium	7440-39-3	8.60E+01			2.2E+05	3.9E-04	1.5E+04	5.7E-03
SB-212	N		2	10/15/21	INORG	Barium	7440-39-3	5.70E+01			2.2E+05	2.6E-04	1.5E+04	3.8E-03
SB-212	FD		2	10/15/21	INORG	Beryllium	7440-41-7	8.10E-01			2.3E+03	3.5E-04	1.6E+02	5.1E-03
SB-212	N		2	10/15/21	INORG	Beryllium	7440-41-7	7.70E-01			2.3E+03	3.3E-04	1.6E+02	4.8E-03
SB-212	FD		2	10/15/21	INORG	Cadmium	7440-43-9	3.90E-01			1.0E+02	3.9E-03	7.1E+00	5.5E-02
SB-212	N		2	10/15/21	INORG	Cadmium	7440-43-9	3.20E-01			1.0E+02	3.2E-03	7.1E+00	4.5E-02
SB-212	FD		2	10/15/21	INORG	Chromium (total)	7440-47-3	1.40E+01			1.8E+06	7.8E-06	1.2E+05	1.2E-04
SB-212	N		2	10/15/21	INORG	Chromium (total)	7440-47-3	1.70E+01			1.8E+06	9.4E-06	1.2E+05	1.4E-04
SB-212	FD		2	10/15/21	INORG	Cobalt	7440-48-4	1.30E+01			3.5E+02	3.7E-02	2.3E+01	5.7E-01
SB-212	N		2	10/15/21	INORG	Cobalt	7440-48-4	1.10E+01			3.5E+02	3.1E-02	2.3E+01	4.8E-01
SB-212	FD		2	10/15/21	INORG	Copper	7440-50-8	1.80E+01			4.7E+04	3.8E-04	3.1E+03	5.8E-03
SB-212	N		2	10/15/21	INORG	Copper	7440-50-8	1.70E+01			4.7E+04	3.6E-04	3.1E+03	5.5E-03
SB-212	FD		2	10/15/21	INORG	Cyanide (total)	57-12-5		U	3.50E-01	1.5E+02		2.3E+01	
SB-212	N		2	10/15/21	INORG	Cyanide (total)	57-12-5		U	3.30E-01	1.5E+02		2.3E+01	
SB-212	FD		2	10/15/21	INORG	Iron	7439-89-6	2.40E+04			8.2E+05	2.9E-02	5.5E+04	4.4E-01
SB-212	N		2	10/15/21	INORG	Iron	7439-89-6	2.30E+04			8.2E+05	2.8E-02	5.5E+04	4.2E-01
SB-212	FD		2	10/15/21	INORG	Lead	7439-92-1	1.40E+01			8.0E+02	1.8E-02	2.0E+02	7.0E-02
SB-212	N		2	10/15/21	INORG	Lead	7439-92-1	1.10E+01			8.0E+02	1.4E-02	2.0E+02	5.5E-02
SB-212	FD		2	10/15/21	INORG	Manganese	7439-96-5	1.70E+02			2.6E+04	6.5E-03	1.8E+03	9.4E-02
SB-212	N		2	10/15/21	INORG	Manganese	7439-96-5	2.00E+02			2.6E+04	7.7E-03	1.8E+03	1.1E-01
SB-212	FD		2	10/15/21	INORG	Mercury	7439-97-6	4.10E-02			4.1E+01	1.0E-03	7.4E+00	5.5E-03
SB-212	N		2	10/15/21	INORG	Mercury	7439-97-6	3.70E-02			4.1E+01	9.1E-04	7.4E+00	5.0E-03
SB-212	FD		2	10/15/21	INORG	Nickel	7440-02-0	1.30E+01			2.2E+04	5.9E-04	1.5E+03	8.7E-03
SB-212	N		2	10/15/21	INORG	Nickel	7440-02-0	1.20E+01			2.2E+04	5.5E-04	1.5E+03	8.0E-03
SB-212	FD		2	10/15/21	INORG	Selenium	7782-49-2		U	1.40E+00	5.8E+03		3.9E+02	
SB-212	N		2	10/15/21	INORG	Selenium	7782-49-2		U	1.30E+00	5.8E+03		3.9E+02	
SB-212	FD		2	10/15/21	INORG	Silver	7440-22-4		U	1.70E-01	5.8E+03		3.9E+02	
SB-212	N		2	10/15/21	INORG	Silver	7440-22-4		U	1.70E-01	5.8E+03		3.9E+02	
SB-212	FD		2	10/15/21	INORG	Thallium	7440-28-0		U	9.10E-01	1.2E+01		7.8E-01	
SB-212	N		2	10/15/21	INORG	Thallium	7440-28-0		U	8.90E-01	1.2E+01		7.8E-01	
SB-212	FD		2	10/15/21	INORG	Vanadium	7440-62-2	2.40E+01			5.8E+03	4.1E-03	3.9E+02	6.2E-02
SB-212	N		2	10/15/21	INORG	Vanadium	7440-62-2	2.70E+01			5.8E+03	4.7E-03	3.9E+02	6.9E-02
SB-212	FD		2	10/15/21	INORG	Zinc	7440-66-6	4.00E+01			3.5E+05	1.1E-04	2.3E+04	1.7E-03
SB-212	N		2	10/15/21	INORG	Zinc	7440-66-6	3.30E+01			3.5E+05	9.4E-05	2.3E+04	1.4E-03
SB-212	N	5	7	10/15/21	VOC	1,2-Dichlorobenzene	95-50-1		U	4.00E-01	9.3E+03		1.8E+03	
SB-212	N	5	7	10/15/21	VOC	1,3-Dichlorobenzene	541-73-1		U	4.00E-01	1.1E+02		2.6E+01	
SB-212	N	5	7	10/15/21	VOC	1,4-Dichlorobenzene	106-46-7		U	4.00E-01	1.1E+02		2.6E+01	
SB-212	N	5	7	10/15/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	4.00E-01	2.6E+02		5.8E+01	
SB-212	N	5	7	10/15/21	SVOC	Acenaphthene	83-32-9		U	2.00E-01	4.5E+04		3.6E+03	
SB-212	N	5	7	10/15/21	SVOC	Acenaphthylene	208-96-8		U	2.00E-01	2.3E+04		1.8E+03	
SB-212	N	5	7	10/15/21	SVOC	Acetophenone	98-86-2		U	4.00E-01	1.2E+05		7.8E+03	
SB-212	N	5	7	10/15/21	SVOC	Aniline	62-53-3		U	4.00E-01	4.0E+03		4.4E+02	
SB-212	N	5	7	10/15/21	SVOC	Anthracene	120-12-7		U	2.00E-01	2.3E+05		1.8E+04	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-212	N	5	7	10/15/21	SVOC	Benzidine	92-87-5		U	7.90E-01	1.0E-01		5.3E-03	
SB-212	N	5	7	10/15/21	SVOC	Benzo(a)anthracene	56-55-3		U	2.00E-01	2.1E+02		1.1E+01	
SB-212	N	5	7	10/15/21	SVOC	Benzo(a)pyrene	50-32-8		U	2.00E-01	2.1E+01		1.1E+00	
SB-212	N	5	7	10/15/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	2.00E-01	2.1E+02		1.1E+01	
SB-212	N	5	7	10/15/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	2.00E-01	2.3E+04		1.8E+03	
SB-212	N	5	7	10/15/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	2.00E-01	2.1E+03		1.1E+02	
SB-212	N	5	7	10/15/21	SVOC	Benzoic Acid	65-85-0		U	1.20E+00	3.3E+06		2.5E+05	
SB-212	N	5	7	10/15/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	4.00E-01	2.5E+03		1.9E+02	
SB-212	N	5	7	10/15/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	4.00E-01	1.0E+01		2.3E+00	
SB-212	N	5	7	10/15/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	4.00E-01	1.6E+03		3.9E+02	
SB-212	N	5	7	10/15/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	4.00E-01				
SB-212	N	5	7	10/15/21	SVOC	Butylbenzylphthalate	85-68-7		U	4.00E-01	1.2E+04		2.9E+03	
SB-212	N	5	7	10/15/21	SVOC	Carbazole	86-74-8		U	2.00E-01	3.0E+04		2.4E+03	
SB-212	N	5	7	10/15/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.90E-01	8.2E+04		6.3E+03	
SB-212	N	5	7	10/15/21	SVOC	4-Chloroaniline	106-47-8		U	7.90E-01	1.1E+02		2.7E+01	
SB-212	N	5	7	10/15/21	SVOC	2-Chloronaphthalene	91-58-7		U	4.00E-01	6.0E+04		4.8E+03	
SB-212	N	5	7	10/15/21	SVOC	2-Chlorophenol	95-57-8		U	4.00E-01	5.8E+03		3.9E+02	
SB-212	N	5	7	10/15/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	4.00E-01				
SB-212	N	5	7	10/15/21	SVOC	Chrysene	218-01-9		U	2.00E-01	2.1E+04		1.1E+03	
SB-212	N	5	7	10/15/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	2.00E-01	2.1E+01		1.1E+00	
SB-212	N	5	7	10/15/21	SVOC	Dibenzofuran	132-64-9		U	4.00E-01	1.2E+03		7.8E+01	
SB-212	N	5	7	10/15/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	2.00E-01	5.1E+01		1.2E+01	
SB-212	N	5	7	10/15/21	SVOC	2,4-Dichlorophenol	120-83-2		U	4.00E-01	2.5E+03		1.9E+02	
SB-212	N	5	7	10/15/21	SVOC	Diethylphthalate	84-66-2		U	4.00E-01	6.6E+05		5.1E+04	
SB-212	N	5	7	10/15/21	SVOC	2,4-Dimethylphenol	105-67-9		U	4.00E-01	1.6E+04		1.3E+03	
SB-212	N	5	7	10/15/21	SVOC	Dimethylphthalate	131-11-3		U	4.00E-01	6.6E+05		5.1E+04	
SB-212	N	5	7	10/15/21	SVOC	Di-n-butylphthalate	84-74-2		U	4.00E-01	8.2E+04		6.3E+03	
SB-212	N	5	7	10/15/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	4.00E-01	6.6E+01		5.1E+00	
SB-212	N	5	7	10/15/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.90E-01	1.6E+03		1.3E+02	
SB-212	N	5	7	10/15/21	SVOC	Di-n-octylphthalate	117-84-0		U	4.00E-01	8.2E+03		6.3E+02	
SB-212	N	5	7	10/15/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	4.00E-01	2.9E+01		6.8E+00	
SB-212	N	5	7	10/15/21	SVOC	Fluoranthene	206-44-0		U	2.00E-01	3.0E+04		2.4E+03	
SB-212	N	5	7	10/15/21	SVOC	Fluorene	86-73-7		U	2.00E-01	3.0E+04		2.4E+03	
SB-212	N	5	7	10/15/21	SVOC	Hexachlorobenzene	118-74-1		U	4.00E-01	9.6E+00		7.8E-01	
SB-212	N	5	7	10/15/21	SVOC	Hexachlorobutadiene	87-68-3		U	4.00E-01	5.3E+01		1.2E+01	
SB-212	N	5	7	10/15/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	4.00E-01	7.5E+00		1.8E+00	
SB-212	N	5	7	10/15/21	SVOC	Hexachloroethane	67-72-1		U	4.00E-01	8.0E+01		1.8E+01	
SB-212	N	5	7	10/15/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	2.00E-01	2.1E+02		1.1E+01	
SB-212	N	5	7	10/15/21	SVOC	Isophorone	78-59-1		U	4.00E-01	2.4E+04		5.7E+03	
SB-212	N	5	7	10/15/21	SVOC	1-Methylnaphthalene	90-12-0		U	2.00E-01	7.3E+02		1.8E+02	
SB-212	N	5	7	10/15/21	SVOC	2-Methylnaphthalene	91-57-6		U	2.00E-01	3.0E+03		2.4E+02	
SB-212	N	5	7	10/15/21	SVOC	2-Methylphenol	95-48-7		U	4.00E-01	4.1E+04		3.2E+03	
SB-212	N	5	7	10/15/21	SVOC	3&4-Methylphenol	65794-96-9		U	4.00E-01				
SB-212	N	5	7	10/15/21	SVOC	Naphthalene	91-20-3		U	2.00E-01	8.6E+01		2.0E+01	



**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-212	N	5	7	10/15/21	SVOC	2-Nitroaniline	88-74-4		U	4.00E-01	8.0E+03		6.3E+02	
SB-212	N	5	7	10/15/21	SVOC	3-Nitroaniline	99-09-2		U	4.00E-01	1.1E+03		2.5E+02	
SB-212	N	5	7	10/15/21	SVOC	4-Nitroaniline	100-01-6		U	4.00E-01	1.1E+03		2.5E+02	
SB-212	N	5	7	10/15/21	SVOC	2-Nitrophenol	88-75-5		U	4.00E-01				
SB-212	N	5	7	10/15/21	SVOC	4-Nitrophenol	100-02-7		U	7.90E-01				
SB-212	N	5	7	10/15/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	4.00E-01	3.4E-01		2.0E-02	
SB-212	N	5	7	10/15/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	4.00E-01	4.7E+03		1.1E+03	
SB-212	N	5	7	10/15/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	4.00E-01	3.3E+00		7.8E-01	
SB-212	N	5	7	10/15/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	4.00E-01	4.7E+04		3.1E+03	
SB-212	N	5	7	10/15/21	SVOC	Pentachloronitrobenzene	82-68-8		U	4.00E-01	1.3E+02		2.7E+01	
SB-212	N	5	7	10/15/21	SVOC	Pentachlorophenol	87-86-5		U	4.00E-01	4.0E+01		1.0E+01	
SB-212	N	5	7	10/15/21	SVOC	Phenanthrene	85-01-8		U	2.00E-01	2.3E+04		1.8E+03	
SB-212	N	5	7	10/15/21	SVOC	Phenol	108-95-2		U	4.00E-01	2.5E+05		1.9E+04	
SB-212	N	5	7	10/15/21	SVOC	Pyrene	129-00-0		U	2.00E-01	2.3E+04		1.8E+03	
SB-212	N	5	7	10/15/21	SVOC	Pyridine	110-86-1		U	4.00E-01	1.2E+03		7.8E+01	
SB-212	N	5	7	10/15/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	4.00E-01	3.5E+01		2.3E+00	
SB-212	N	5	7	10/15/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	4.00E-01	8.2E+04		6.3E+03	
SB-212	N	5	7	10/15/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	4.00E-01	8.2E+02		6.3E+01	
SB-212	N	5	7	10/15/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	4.00E-01	7.4E+01		1.7E+01	
SB-212	N	5	7	10/15/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	4.00E-01	1.5E+01		3.6E+00	
SB-212	N	5	7	10/15/21	NITRO	Nitrobenzene	98-95-3		U	4.00E-01	2.2E+02		5.1E+01	
SB-212	N	5	7	10/15/21	INORG	Aluminum	7429-90-5	1.40E+04			1.1E+06	1.3E-02	7.7E+04	1.8E-01
SB-212	N	5	7	10/15/21	INORG	Antimony	7440-36-0	1.70E+00			4.7E+02	3.6E-03	3.1E+01	5.5E-02
SB-212	N	5	7	10/15/21	INORG	Arsenic	7440-38-2	9.50E+00			3.0E+01	3.2E-01	6.8E+00	1.4E+00
SB-212	N	5	7	10/15/21	INORG	Barium	7440-39-3	4.20E+01			2.2E+05	1.9E-04	1.5E+04	2.8E-03
SB-212	N	5	7	10/15/21	INORG	Beryllium	7440-41-7	9.40E-01			2.3E+03	4.1E-04	1.6E+02	5.9E-03
SB-212	N	5	7	10/15/21	INORG	Cadmium	7440-43-9	4.00E-01			1.0E+02	4.0E-03	7.1E+00	5.6E-02
SB-212	N	5	7	10/15/21	INORG	Chromium (total)	7440-47-3	2.00E+01			1.8E+06	1.1E-05	1.2E+05	1.7E-04
SB-212	N	5	7	10/15/21	INORG	Cobalt	7440-48-4	7.30E+00			3.5E+02	2.1E-02	2.3E+01	3.2E-01
SB-212	N	5	7	10/15/21	INORG	Copper	7440-50-8	2.30E+01			4.7E+04	4.9E-04	3.1E+03	7.4E-03
SB-212	N	5	7	10/15/21	INORG	Cyanide (total)	57-12-5		U	4.00E-01	1.5E+02		2.3E+01	
SB-212	N	5	7	10/15/21	INORG	Iron	7439-89-6	3.60E+04			8.2E+05	4.4E-02	5.5E+04	6.5E-01
SB-212	N	5	7	10/15/21	INORG	Lead	7439-92-1	1.10E+01			8.0E+02	1.4E-02	2.0E+02	5.5E-02
SB-212	N	5	7	10/15/21	INORG	Manganese	7439-96-5	9.80E+01			2.6E+04	3.8E-03	1.8E+03	5.4E-02
SB-212	N	5	7	10/15/21	INORG	Mercury	7439-97-6	4.70E-02			4.1E+01	1.2E-03	7.4E+00	6.3E-03
SB-212	N	5	7	10/15/21	INORG	Nickel	7440-02-0	1.20E+01			2.2E+04	5.5E-04	1.5E+03	8.0E-03
SB-212	N	5	7	10/15/21	INORG	Selenium	7782-49-2		U	1.40E+00	5.8E+03		3.9E+02	
SB-212	N	5	7	10/15/21	INORG	Silver	7440-22-4		U	1.80E-01	5.8E+03		3.9E+02	
SB-212	N	5	7	10/15/21	INORG	Thallium	7440-28-0		U	9.40E-01	1.2E+01		7.8E-01	
SB-212	N	5	7	10/15/21	INORG	Vanadium	7440-62-2	3.60E+01			5.8E+03	6.2E-03	3.9E+02	9.2E-02
SB-212	N	5	7	10/15/21	INORG	Zinc	7440-66-6	5.30E+01			3.5E+05	1.5E-04	2.3E+04	2.3E-03
SB-212	N	15	17	10/15/21	VOC	1,2-Dichlorobenzene	95-50-1		U	3.60E-01	9.3E+03		1.8E+03	
SB-212	N	15	17	10/15/21	VOC	1,3-Dichlorobenzene	541-73-1		U	3.60E-01	1.1E+02		2.6E+01	
SB-212	N	15	17	10/15/21	VOC	1,4-Dichlorobenzene	106-46-7		U	3.60E-01	1.1E+02		2.6E+01	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-212	N	15	17	10/15/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	3.60E-01	2.6E+02		5.8E+01	
SB-212	N	15	17	10/15/21	SVOC	Acenaphthene	83-32-9		U	1.80E-01	4.5E+04		3.6E+03	
SB-212	N	15	17	10/15/21	SVOC	Acenaphthylene	208-96-8		U	1.80E-01	2.3E+04		1.8E+03	
SB-212	N	15	17	10/15/21	SVOC	Acetophenone	98-86-2		U	3.60E-01	1.2E+05		7.8E+03	
SB-212	N	15	17	10/15/21	SVOC	Aniline	62-53-3		U	3.60E-01	4.0E+03		4.4E+02	
SB-212	N	15	17	10/15/21	SVOC	Anthracene	120-12-7		U	1.80E-01	2.3E+05		1.8E+04	
SB-212	N	15	17	10/15/21	SVOC	Benzidine	92-87-5		U	7.00E-01	1.0E-01		5.3E-03	
SB-212	N	15	17	10/15/21	SVOC	Benzo(a)anthracene	56-55-3		U	1.80E-01	2.1E+02		1.1E+01	
SB-212	N	15	17	10/15/21	SVOC	Benzo(a)pyrene	50-32-8		U	1.80E-01	2.1E+01		1.1E+00	
SB-212	N	15	17	10/15/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	1.80E-01	2.1E+02		1.1E+01	
SB-212	N	15	17	10/15/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	1.80E-01	2.3E+04		1.8E+03	
SB-212	N	15	17	10/15/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	1.80E-01	2.1E+03		1.1E+02	
SB-212	N	15	17	10/15/21	SVOC	Benzoic Acid	65-85-0		U	1.10E+00	3.3E+06		2.5E+05	
SB-212	N	15	17	10/15/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	3.60E-01	2.5E+03		1.9E+02	
SB-212	N	15	17	10/15/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	3.60E-01	1.0E+01		2.3E+00	
SB-212	N	15	17	10/15/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	3.60E-01	1.6E+03		3.9E+02	
SB-212	N	15	17	10/15/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	3.60E-01				
SB-212	N	15	17	10/15/21	SVOC	Butylbenzylphthalate	85-68-7		U	3.60E-01	1.2E+04		2.9E+03	
SB-212	N	15	17	10/15/21	SVOC	Carbazole	86-74-8		U	1.80E-01	3.0E+04		2.4E+03	
SB-212	N	15	17	10/15/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.00E-01	8.2E+04		6.3E+03	
SB-212	N	15	17	10/15/21	SVOC	4-Chloroaniline	106-47-8		U	7.00E-01	1.1E+02		2.7E+01	
SB-212	N	15	17	10/15/21	SVOC	2-Chloronaphthalene	91-58-7		U	3.60E-01	6.0E+04		4.8E+03	
SB-212	N	15	17	10/15/21	SVOC	2-Chlorophenol	95-57-8		U	3.60E-01	5.8E+03		3.9E+02	
SB-212	N	15	17	10/15/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	3.60E-01				
SB-212	N	15	17	10/15/21	SVOC	Chrysene	218-01-9		U	1.80E-01	2.1E+04		1.1E+03	
SB-212	N	15	17	10/15/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	1.80E-01	2.1E+01		1.1E+00	
SB-212	N	15	17	10/15/21	SVOC	Dibenzofuran	132-64-9		U	3.60E-01	1.2E+03		7.8E+01	
SB-212	N	15	17	10/15/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	1.80E-01	5.1E+01		1.2E+01	
SB-212	N	15	17	10/15/21	SVOC	2,4-Dichlorophenol	120-83-2		U	3.60E-01	2.5E+03		1.9E+02	
SB-212	N	15	17	10/15/21	SVOC	Diethylphthalate	84-66-2		U	3.60E-01	6.6E+05		5.1E+04	
SB-212	N	15	17	10/15/21	SVOC	2,4-Dimethylphenol	105-67-9		U	3.60E-01	1.6E+04		1.3E+03	
SB-212	N	15	17	10/15/21	SVOC	Dimethylphthalate	131-11-3		U	3.60E-01	6.6E+05		5.1E+04	
SB-212	N	15	17	10/15/21	SVOC	Di-n-butylphthalate	84-74-2		U	3.60E-01	8.2E+04		6.3E+03	
SB-212	N	15	17	10/15/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	3.60E-01	6.6E+01		5.1E+00	
SB-212	N	15	17	10/15/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.00E-01	1.6E+03		1.3E+02	
SB-212	N	15	17	10/15/21	SVOC	Di-n-octylphthalate	117-84-0		U	3.60E-01	8.2E+03		6.3E+02	
SB-212	N	15	17	10/15/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	3.60E-01	2.9E+01		6.8E+00	
SB-212	N	15	17	10/15/21	SVOC	Fluoranthene	206-44-0		U	1.80E-01	3.0E+04		2.4E+03	
SB-212	N	15	17	10/15/21	SVOC	Fluorene	86-73-7		U	1.80E-01	3.0E+04		2.4E+03	
SB-212	N	15	17	10/15/21	SVOC	Hexachlorobenzene	118-74-1		U	3.60E-01	9.6E+00		7.8E-01	
SB-212	N	15	17	10/15/21	SVOC	Hexachlorobutadiene	87-68-3		U	3.60E-01	5.3E+01		1.2E+01	
SB-212	N	15	17	10/15/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	3.60E-01	7.5E+00		1.8E+00	
SB-212	N	15	17	10/15/21	SVOC	Hexachloroethane	67-72-1		U	3.60E-01	8.0E+01		1.8E+01	
SB-212	N	15	17	10/15/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	1.80E-01	2.1E+02		1.1E+01	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-212	N	15	17	10/15/21	SVOC	Isophorone	78-59-1		U	3.60E-01	2.4E+04		5.7E+03	
SB-212	N	15	17	10/15/21	SVOC	1-Methylnaphthalene	90-12-0		U	1.80E-01	7.3E+02		1.8E+02	
SB-212	N	15	17	10/15/21	SVOC	2-Methylnaphthalene	91-57-6		U	1.80E-01	3.0E+03		2.4E+02	
SB-212	N	15	17	10/15/21	SVOC	2-Methylphenol	95-48-7		U	3.60E-01	4.1E+04		3.2E+03	
SB-212	N	15	17	10/15/21	SVOC	3&4-Methylphenol	65794-96-9		U	3.60E-01				
SB-212	N	15	17	10/15/21	SVOC	Naphthalene	91-20-3		U	1.80E-01	8.6E+01		2.0E+01	
SB-212	N	15	17	10/15/21	SVOC	2-Nitroaniline	88-74-4		U	3.60E-01	8.0E+03		6.3E+02	
SB-212	N	15	17	10/15/21	SVOC	3-Nitroaniline	99-09-2		U	3.60E-01	1.1E+03		2.5E+02	
SB-212	N	15	17	10/15/21	SVOC	4-Nitroaniline	100-01-6		U	3.60E-01	1.1E+03		2.5E+02	
SB-212	N	15	17	10/15/21	SVOC	2-Nitrophenol	88-75-5		U	3.60E-01				
SB-212	N	15	17	10/15/21	SVOC	4-Nitrophenol	100-02-7		U	7.00E-01				
SB-212	N	15	17	10/15/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	3.60E-01	3.4E-01		2.0E-02	
SB-212	N	15	17	10/15/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	3.60E-01	4.7E+03		1.1E+03	
SB-212	N	15	17	10/15/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	3.60E-01	3.3E+00		7.8E-01	
SB-212	N	15	17	10/15/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	3.60E-01	4.7E+04		3.1E+03	
SB-212	N	15	17	10/15/21	SVOC	Pentachloronitrobenzene	82-68-8		U	3.60E-01	1.3E+02		2.7E+01	
SB-212	N	15	17	10/15/21	SVOC	Pentachlorophenol	87-86-5		U	3.60E-01	4.0E+01		1.0E+01	
SB-212	N	15	17	10/15/21	SVOC	Phenanthrene	85-01-8		U	1.80E-01	2.3E+04		1.8E+03	
SB-212	N	15	17	10/15/21	SVOC	Phenol	108-95-2		U	3.60E-01	2.5E+05		1.9E+04	
SB-212	N	15	17	10/15/21	SVOC	Pyrene	129-00-0		U	1.80E-01	2.3E+04		1.8E+03	
SB-212	N	15	17	10/15/21	SVOC	Pyridine	110-86-1		U	3.60E-01	1.2E+03		7.8E+01	
SB-212	N	15	17	10/15/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	3.60E-01	3.5E+01		2.3E+00	
SB-212	N	15	17	10/15/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	3.60E-01	8.2E+04		6.3E+03	
SB-212	N	15	17	10/15/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	3.60E-01	8.2E+02		6.3E+01	
SB-212	N	15	17	10/15/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	3.60E-01	7.4E+01		1.7E+01	
SB-212	N	15	17	10/15/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	3.60E-01	1.5E+01		3.6E+00	
SB-212	N	15	17	10/15/21	NITRO	Nitrobenzene	98-95-3		U	3.60E-01	2.2E+02		5.1E+01	
SB-212	N	15	17	10/15/21	INORG	Aluminum	7429-90-5	3.30E+03			1.1E+06	3.0E-03	7.7E+04	4.3E-02
SB-212	N	15	17	10/15/21	INORG	Antimony	7440-36-0		U	7.10E-01	4.7E+02		3.1E+01	
SB-212	N	15	17	10/15/21	INORG	Arsenic	7440-38-2	3.60E+00			3.0E+01	1.2E-01	6.8E+00	5.3E-01
SB-212	N	15	17	10/15/21	INORG	Barium	7440-39-3	2.80E+01			2.2E+05	1.3E-04	1.5E+04	1.9E-03
SB-212	N	15	17	10/15/21	INORG	Beryllium	7440-41-7	4.70E-01			2.3E+03	2.0E-04	1.6E+02	2.9E-03
SB-212	N	15	17	10/15/21	INORG	Cadmium	7440-43-9		U	1.80E-01	1.0E+02		7.1E+00	
SB-212	N	15	17	10/15/21	INORG	Chromium (total)	7440-47-3	3.10E+01			1.8E+06	1.7E-05	1.2E+05	2.6E-04
SB-212	N	15	17	10/15/21	INORG	Cobalt	7440-48-4	5.50E+00			3.5E+02	1.6E-02	2.3E+01	2.4E-01
SB-212	N	15	17	10/15/21	INORG	Copper	7440-50-8	7.80E+00			4.7E+04	1.7E-04	3.1E+03	2.5E-03
SB-212	N	15	17	10/15/21	INORG	Cyanide (total)	57-12-5		U	3.30E-01	1.5E+02		2.3E+01	
SB-212	N	15	17	10/15/21	INORG	Iron	7439-89-6	1.30E+04			8.2E+05	1.6E-02	5.5E+04	2.4E-01
SB-212	N	15	17	10/15/21	INORG	Lead	7439-92-1	7.50E+00			8.0E+02	9.4E-03	2.0E+02	3.8E-02
SB-212	N	15	17	10/15/21	INORG	Manganese	7439-96-5	6.50E+01			2.6E+04	2.5E-03	1.8E+03	3.6E-02
SB-212	N	15	17	10/15/21	INORG	Mercury	7439-97-6	1.80E-02			4.1E+01	4.4E-04	7.4E+00	2.4E-03
SB-212	N	15	17	10/15/21	INORG	Nickel	7440-02-0	7.90E+00			2.2E+04	3.6E-04	1.5E+03	5.3E-03
SB-212	N	15	17	10/15/21	INORG	Selenium	7782-49-2		U	1.30E+00	5.8E+03		3.9E+02	
SB-212	N	15	17	10/15/21	INORG	Silver	7440-22-4		U	1.60E-01	5.8E+03		3.9E+02	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-212	N	15	17	10/15/21	INORG	Thallium	7440-28-0		U	8.50E-01	1.2E+01		7.8E-01	
SB-212	N	15	17	10/15/21	INORG	Vanadium	7440-62-2	2.00E+01			5.8E+03	3.4E-03	3.9E+02	5.1E-02
SB-212	N	15	17	10/15/21	INORG	Zinc	7440-66-6	1.50E+01			3.5E+05	4.3E-05	2.3E+04	6.5E-04
SB-213	N		1	10/15/21	VOC	1,2-Dichlorobenzene	95-50-1		U	4.00E-01	9.3E+03		1.8E+03	
SB-213	N		1	10/15/21	VOC	1,3-Dichlorobenzene	541-73-1		U	4.00E-01	1.1E+02		2.6E+01	
SB-213	N		1	10/15/21	VOC	1,4-Dichlorobenzene	106-46-7		U	4.00E-01	1.1E+02		2.6E+01	
SB-213	N		1	10/15/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	4.00E-01	2.6E+02		5.8E+01	
SB-213	N		1	10/15/21	SVOC	Acenaphthene	83-32-9		U	2.00E-01	4.5E+04		3.6E+03	
SB-213	N		1	10/15/21	SVOC	Acenaphthylene	208-96-8		U	2.00E-01	2.3E+04		1.8E+03	
SB-213	N		1	10/15/21	SVOC	Acetophenone	98-86-2		U	4.00E-01	1.2E+05		7.8E+03	
SB-213	N		1	10/15/21	SVOC	Aniline	62-53-3		U	4.00E-01	4.0E+03		4.4E+02	
SB-213	N		1	10/15/21	SVOC	Anthracene	120-12-7		U	2.00E-01	2.3E+05		1.8E+04	
SB-213	N		1	10/15/21	SVOC	Benzidine	92-87-5		U	7.70E-01	1.0E-01		5.3E-03	
SB-213	N		1	10/15/21	SVOC	Benzo(a)anthracene	56-55-3		U	2.00E-01	2.1E+02		1.1E+01	
SB-213	N		1	10/15/21	SVOC	Benzo(a)pyrene	50-32-8		U	2.00E-01	2.1E+01		1.1E+00	
SB-213	N		1	10/15/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	2.00E-01	2.1E+02		1.1E+01	
SB-213	N		1	10/15/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	2.00E-01	2.3E+04		1.8E+03	
SB-213	N		1	10/15/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	2.00E-01	2.1E+03		1.1E+02	
SB-213	N		1	10/15/21	SVOC	Benzoic Acid	65-85-0		U	1.20E+00	3.3E+06		2.5E+05	
SB-213	N		1	10/15/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	4.00E-01	2.5E+03		1.9E+02	
SB-213	N		1	10/15/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	4.00E-01	1.0E+01		2.3E+00	
SB-213	N		1	10/15/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	4.00E-01	1.6E+03		3.9E+02	
SB-213	N		1	10/15/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	4.00E-01				
SB-213	N		1	10/15/21	SVOC	Butylbenzylphthalate	85-68-7		U	4.00E-01	1.2E+04		2.9E+03	
SB-213	N		1	10/15/21	SVOC	Carbazole	86-74-8		U	2.00E-01	3.0E+04		2.4E+03	
SB-213	N		1	10/15/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.70E-01	8.2E+04		6.3E+03	
SB-213	N		1	10/15/21	SVOC	4-Chloroaniline	106-47-8		U	7.70E-01	1.1E+02		2.7E+01	
SB-213	N		1	10/15/21	SVOC	2-Chloronaphthalene	91-58-7		U	4.00E-01	6.0E+04		4.8E+03	
SB-213	N		1	10/15/21	SVOC	2-Chlorophenol	95-57-8		U	4.00E-01	5.8E+03		3.9E+02	
SB-213	N		1	10/15/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	4.00E-01				
SB-213	N		1	10/15/21	SVOC	Chrysene	218-01-9		U	2.00E-01	2.1E+04		1.1E+03	
SB-213	N		1	10/15/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	2.00E-01	2.1E+01		1.1E+00	
SB-213	N		1	10/15/21	SVOC	Dibenzofuran	132-64-9		U	4.00E-01	1.2E+03		7.8E+01	
SB-213	N		1	10/15/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	2.00E-01	5.1E+01		1.2E+01	
SB-213	N		1	10/15/21	SVOC	2,4-Dichlorophenol	120-83-2		U	4.00E-01	2.5E+03		1.9E+02	
SB-213	N		1	10/15/21	SVOC	Diethylphthalate	84-66-2		U	4.00E-01	6.6E+05		5.1E+04	
SB-213	N		1	10/15/21	SVOC	2,4-Dimethylphenol	105-67-9		U	4.00E-01	1.6E+04		1.3E+03	
SB-213	N		1	10/15/21	SVOC	Dimethylphthalate	131-11-3		U	4.00E-01	6.6E+05		5.1E+04	
SB-213	N		1	10/15/21	SVOC	Di-n-butylphthalate	84-74-2		U	4.00E-01	8.2E+04		6.3E+03	
SB-213	N		1	10/15/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	4.00E-01	6.6E+01		5.1E+00	
SB-213	N		1	10/15/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.70E-01	1.6E+03		1.3E+02	
SB-213	N		1	10/15/21	SVOC	Di-n-octylphthalate	117-84-0		U	4.00E-01	8.2E+03		6.3E+02	
SB-213	N		1	10/15/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	4.00E-01	2.9E+01		6.8E+00	
SB-213	N		1	10/15/21	SVOC	Fluoranthene	206-44-0		U	2.00E-01	3.0E+04		2.4E+03	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-213	N		1	10/15/21	SVOC	Fluorene	86-73-7		U	2.00E-01	3.0E+04		2.4E+03	
SB-213	N		1	10/15/21	SVOC	Hexachlorobenzene	118-74-1		U	4.00E-01	9.6E+00		7.8E-01	
SB-213	N		1	10/15/21	SVOC	Hexachlorobutadiene	87-68-3		U	4.00E-01	5.3E+01		1.2E+01	
SB-213	N		1	10/15/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	4.00E-01	7.5E+00		1.8E+00	
SB-213	N		1	10/15/21	SVOC	Hexachloroethane	67-72-1		U	4.00E-01	8.0E+01		1.8E+01	
SB-213	N		1	10/15/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	2.00E-01	2.1E+02		1.1E+01	
SB-213	N		1	10/15/21	SVOC	Isophorone	78-59-1		U	4.00E-01	2.4E+04		5.7E+03	
SB-213	N		1	10/15/21	SVOC	1-Methylnaphthalene	90-12-0	8.30E-02	J	2.00E-01	7.3E+02	1.1E-04	1.8E+02	4.6E-04
SB-213	N		1	10/15/21	SVOC	2-Methylnaphthalene	91-57-6	1.30E-01	J	2.00E-01	3.0E+03	4.3E-05	2.4E+02	5.4E-04
SB-213	N		1	10/15/21	SVOC	2-Methylphenol	95-48-7		U	4.00E-01	4.1E+04		3.2E+03	
SB-213	N		1	10/15/21	SVOC	3&4-Methylphenol	65794-96-9		U	4.00E-01				
SB-213	N		1	10/15/21	SVOC	Naphthalene	91-20-3	7.60E-02	J	2.00E-01	8.6E+01	8.8E-04	2.0E+01	3.8E-03
SB-213	N		1	10/15/21	SVOC	2-Nitroaniline	88-74-4		U	4.00E-01	8.0E+03		6.3E+02	
SB-213	N		1	10/15/21	SVOC	3-Nitroaniline	99-09-2		U	4.00E-01	1.1E+03		2.5E+02	
SB-213	N		1	10/15/21	SVOC	4-Nitroaniline	100-01-6		U	4.00E-01	1.1E+03		2.5E+02	
SB-213	N		1	10/15/21	SVOC	2-Nitrophenol	88-75-5		U	4.00E-01				
SB-213	N		1	10/15/21	SVOC	4-Nitrophenol	100-02-7		U	7.70E-01				
SB-213	N		1	10/15/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	4.00E-01	3.4E-01		2.0E-02	
SB-213	N		1	10/15/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	4.00E-01	4.7E+03		1.1E+03	
SB-213	N		1	10/15/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	4.00E-01	3.3E+00		7.8E-01	
SB-213	N		1	10/15/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	4.00E-01	4.7E+04		3.1E+03	
SB-213	N		1	10/15/21	SVOC	Pentachloronitrobenzene	82-68-8		U	4.00E-01	1.3E+02		2.7E+01	
SB-213	N		1	10/15/21	SVOC	Pentachlorophenol	87-86-5		U	4.00E-01	4.0E+01		1.0E+01	
SB-213	N		1	10/15/21	SVOC	Phenanthrene	85-01-8	6.70E-02	J	2.00E-01	2.3E+04	2.9E-06	1.8E+03	3.7E-05
SB-213	N		1	10/15/21	SVOC	Phenol	108-95-2		U	4.00E-01	2.5E+05		1.9E+04	
SB-213	N		1	10/15/21	SVOC	Pyrene	129-00-0		U	2.00E-01	2.3E+04		1.8E+03	
SB-213	N		1	10/15/21	SVOC	Pyridine	110-86-1		U	4.00E-01	1.2E+03		7.8E+01	
SB-213	N		1	10/15/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	4.00E-01	3.5E+01		2.3E+00	
SB-213	N		1	10/15/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	4.00E-01	8.2E+04		6.3E+03	
SB-213	N		1	10/15/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	4.00E-01	8.2E+02		6.3E+01	
SB-213	N		1	10/15/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	4.00E-01	7.4E+01		1.7E+01	
SB-213	N		1	10/15/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	4.00E-01	1.5E+01		3.6E+00	
SB-213	N		1	10/15/21	NITRO	Nitrobenzene	98-95-3		U	4.00E-01	2.2E+02		5.1E+01	
SB-213	N		1	10/15/21	INORG	Aluminum	7429-90-5	1.10E+04			1.1E+06	1.0E-02	7.7E+04	1.4E-01
SB-213	N		1	10/15/21	INORG	Antimony	7440-36-0	1.40E+00			4.7E+02	3.0E-03	3.1E+01	4.5E-02
SB-213	N		1	10/15/21	INORG	Arsenic	7440-38-2	5.80E+00			3.0E+01	1.9E-01	6.8E+00	8.5E-01
SB-213	N		1	10/15/21	INORG	Barium	7440-39-3	4.00E+01			2.2E+05	1.8E-04	1.5E+04	2.7E-03
SB-213	N		1	10/15/21	INORG	Beryllium	7440-41-7	6.00E-01			2.3E+03	2.6E-04	1.6E+02	3.8E-03
SB-213	N		1	10/15/21	INORG	Cadmium	7440-43-9	2.80E-01			1.0E+02	2.8E-03	7.1E+00	3.9E-02
SB-213	N		1	10/15/21	INORG	Chromium (total)	7440-47-3	1.70E+01			1.8E+06	9.4E-06	1.2E+05	1.4E-04
SB-213	N		1	10/15/21	INORG	Cobalt	7440-48-4	7.50E+00			3.5E+02	2.1E-02	2.3E+01	3.3E-01
SB-213	N		1	10/15/21	INORG	Copper	7440-50-8	1.40E+01			4.7E+04	3.0E-04	3.1E+03	4.5E-03
SB-213	N		1	10/15/21	INORG	Cyanide (total)	57-12-5		U	3.80E-01	1.5E+02		2.3E+01	
SB-213	N		1	10/15/21	INORG	Iron	7439-89-6	2.20E+04			8.2E+05	2.7E-02	5.5E+04	4.0E-01

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-213	N		1	10/15/21	INORG	Lead	7439-92-1	9.50E+00			8.0E+02	1.2E-02	2.0E+02	4.8E-02
SB-213	N		1	10/15/21	INORG	Manganese	7439-96-5	8.90E+01			2.6E+04	3.4E-03	1.8E+03	4.9E-02
SB-213	N		1	10/15/21	INORG	Mercury	7439-97-6	2.70E-02			4.1E+01	6.6E-04	7.4E+00	3.6E-03
SB-213	N		1	10/15/21	INORG	Nickel	7440-02-0	1.00E+01			2.2E+04	4.5E-04	1.5E+03	6.7E-03
SB-213	N		1	10/15/21	INORG	Selenium	7782-49-2		U	1.40E+00	5.8E+03		3.9E+02	
SB-213	N		1	10/15/21	INORG	Silver	7440-22-4		U	1.70E-01	5.8E+03		3.9E+02	
SB-213	N		1	10/15/21	INORG	Thallium	7440-28-0		U	9.10E-01	1.2E+01		7.8E-01	
SB-213	N		1	10/15/21	INORG	Vanadium	7440-62-2	3.10E+01			5.8E+03	5.3E-03	3.9E+02	7.9E-02
SB-213	N		1	10/15/21	INORG	Zinc	7440-66-6	3.50E+01			3.5E+05	1.0E-04	2.3E+04	1.5E-03
SB-213	N	5	7	10/15/21	VOC	1,2-Dichlorobenzene	95-50-1		U	4.10E-01	9.3E+03		1.8E+03	
SB-213	N	5	7	10/15/21	VOC	1,3-Dichlorobenzene	541-73-1		U	4.10E-01	1.1E+02		2.6E+01	
SB-213	N	5	7	10/15/21	VOC	1,4-Dichlorobenzene	106-46-7		U	4.10E-01	1.1E+02		2.6E+01	
SB-213	N	5	7	10/15/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	4.10E-01	2.6E+02		5.8E+01	
SB-213	N	5	7	10/15/21	SVOC	Acenaphthene	83-32-9		U	2.00E-01	4.5E+04		3.6E+03	
SB-213	N	5	7	10/15/21	SVOC	Acenaphthylene	208-96-8		U	2.00E-01	2.3E+04		1.8E+03	
SB-213	N	5	7	10/15/21	SVOC	Acetophenone	98-86-2		U	4.10E-01	1.2E+05		7.8E+03	
SB-213	N	5	7	10/15/21	SVOC	Aniline	62-53-3		U	4.10E-01	4.0E+03		4.4E+02	
SB-213	N	5	7	10/15/21	SVOC	Anthracene	120-12-7		U	2.00E-01	2.3E+05		1.8E+04	
SB-213	N	5	7	10/15/21	SVOC	Benzidine	92-87-5		U	8.00E-01	1.0E-01		5.3E-03	
SB-213	N	5	7	10/15/21	SVOC	Benzo(a)anthracene	56-55-3		U	2.00E-01	2.1E+02		1.1E+01	
SB-213	N	5	7	10/15/21	SVOC	Benzo(a)pyrene	50-32-8		U	2.00E-01	2.1E+01		1.1E+00	
SB-213	N	5	7	10/15/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	2.00E-01	2.1E+02		1.1E+01	
SB-213	N	5	7	10/15/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	2.00E-01	2.3E+04		1.8E+03	
SB-213	N	5	7	10/15/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	2.00E-01	2.1E+03		1.1E+02	
SB-213	N	5	7	10/15/21	SVOC	Benzoic Acid	65-85-0		U	1.20E+00	3.3E+06		2.5E+05	
SB-213	N	5	7	10/15/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	4.10E-01	2.5E+03		1.9E+02	
SB-213	N	5	7	10/15/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	4.10E-01	1.0E+01		2.3E+00	
SB-213	N	5	7	10/15/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	4.10E-01	1.6E+03		3.9E+02	
SB-213	N	5	7	10/15/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	4.10E-01				
SB-213	N	5	7	10/15/21	SVOC	Butylbenzylphthalate	85-68-7		U	4.10E-01	1.2E+04		2.9E+03	
SB-213	N	5	7	10/15/21	SVOC	Carbazole	86-74-8		U	2.00E-01	3.0E+04		2.4E+03	
SB-213	N	5	7	10/15/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	8.00E-01	8.2E+04		6.3E+03	
SB-213	N	5	7	10/15/21	SVOC	4-Chloroaniline	106-47-8		U	8.00E-01	1.1E+02		2.7E+01	
SB-213	N	5	7	10/15/21	SVOC	2-Chloronaphthalene	91-58-7		U	4.10E-01	6.0E+04		4.8E+03	
SB-213	N	5	7	10/15/21	SVOC	2-Chlorophenol	95-57-8		U	4.10E-01	5.8E+03		3.9E+02	
SB-213	N	5	7	10/15/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	4.10E-01				
SB-213	N	5	7	10/15/21	SVOC	Chrysene	218-01-9		U	2.00E-01	2.1E+04		1.1E+03	
SB-213	N	5	7	10/15/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	2.00E-01	2.1E+01		1.1E+00	
SB-213	N	5	7	10/15/21	SVOC	Dibenzofuran	132-64-9		U	4.10E-01	1.2E+03		7.8E+01	
SB-213	N	5	7	10/15/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	2.00E-01	5.1E+01		1.2E+01	
SB-213	N	5	7	10/15/21	SVOC	2,4-Dichlorophenol	120-83-2		U	4.10E-01	2.5E+03		1.9E+02	
SB-213	N	5	7	10/15/21	SVOC	Diethylphthalate	84-66-2		U	4.10E-01	6.6E+05		5.1E+04	
SB-213	N	5	7	10/15/21	SVOC	2,4-Dimethylphenol	105-67-9		U	4.10E-01	1.6E+04		1.3E+03	
SB-213	N	5	7	10/15/21	SVOC	Dimethylphthalate	131-11-3		U	4.10E-01	6.6E+05		5.1E+04	



**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-213	N	5	7	10/15/21	SVOC	Di-n-butylphthalate	84-74-2		U	4.10E-01	8.2E+04		6.3E+03	
SB-213	N	5	7	10/15/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	4.10E-01	6.6E+01		5.1E+00	
SB-213	N	5	7	10/15/21	SVOC	2,4-Dinitrophenol	51-28-5		U	8.00E-01	1.6E+03		1.3E+02	
SB-213	N	5	7	10/15/21	SVOC	Di-n-octylphthalate	117-84-0		U	4.10E-01	8.2E+03		6.3E+02	
SB-213	N	5	7	10/15/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	4.10E-01	2.9E+01		6.8E+00	
SB-213	N	5	7	10/15/21	SVOC	Fluoranthene	206-44-0		U	2.00E-01	3.0E+04		2.4E+03	
SB-213	N	5	7	10/15/21	SVOC	Fluorene	86-73-7		U	2.00E-01	3.0E+04		2.4E+03	
SB-213	N	5	7	10/15/21	SVOC	Hexachlorobenzene	118-74-1		U	4.10E-01	9.6E+00		7.8E-01	
SB-213	N	5	7	10/15/21	SVOC	Hexachlorobutadiene	87-68-3		U	4.10E-01	5.3E+01		1.2E+01	
SB-213	N	5	7	10/15/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	4.10E-01	7.5E+00		1.8E+00	
SB-213	N	5	7	10/15/21	SVOC	Hexachloroethane	67-72-1		U	4.10E-01	8.0E+01		1.8E+01	
SB-213	N	5	7	10/15/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	2.00E-01	2.1E+02		1.1E+01	
SB-213	N	5	7	10/15/21	SVOC	Isophorone	78-59-1		U	4.10E-01	2.4E+04		5.7E+03	
SB-213	N	5	7	10/15/21	SVOC	1-Methylnaphthalene	90-12-0		U	2.00E-01	7.3E+02		1.8E+02	
SB-213	N	5	7	10/15/21	SVOC	2-Methylnaphthalene	91-57-6		U	2.00E-01	3.0E+03		2.4E+02	
SB-213	N	5	7	10/15/21	SVOC	2-Methylphenol	95-48-7		U	4.10E-01	4.1E+04		3.2E+03	
SB-213	N	5	7	10/15/21	SVOC	3&4-Methylphenol	65794-96-9		U	4.10E-01				
SB-213	N	5	7	10/15/21	SVOC	Naphthalene	91-20-3		U	2.00E-01	8.6E+01		2.0E+01	
SB-213	N	5	7	10/15/21	SVOC	2-Nitroaniline	88-74-4		U	4.10E-01	8.0E+03		6.3E+02	
SB-213	N	5	7	10/15/21	SVOC	3-Nitroaniline	99-09-2		U	4.10E-01	1.1E+03		2.5E+02	
SB-213	N	5	7	10/15/21	SVOC	4-Nitroaniline	100-01-6		U	4.10E-01	1.1E+03		2.5E+02	
SB-213	N	5	7	10/15/21	SVOC	2-Nitrophenol	88-75-5		U	4.10E-01				
SB-213	N	5	7	10/15/21	SVOC	4-Nitrophenol	100-02-7		U	8.00E-01				
SB-213	N	5	7	10/15/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	4.10E-01	3.4E-01		2.0E-02	
SB-213	N	5	7	10/15/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	4.10E-01	4.7E+03		1.1E+03	
SB-213	N	5	7	10/15/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	4.10E-01	3.3E+00		7.8E-01	
SB-213	N	5	7	10/15/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	4.10E-01	4.7E+04		3.1E+03	
SB-213	N	5	7	10/15/21	SVOC	Pentachloronitrobenzene	82-68-8		U	4.10E-01	1.3E+02		2.7E+01	
SB-213	N	5	7	10/15/21	SVOC	Pentachlorophenol	87-86-5		U	4.10E-01	4.0E+01		1.0E+01	
SB-213	N	5	7	10/15/21	SVOC	Phenanthrene	85-01-8		U	2.00E-01	2.3E+04		1.8E+03	
SB-213	N	5	7	10/15/21	SVOC	Phenol	108-95-2		U	4.10E-01	2.5E+05		1.9E+04	
SB-213	N	5	7	10/15/21	SVOC	Pyrene	129-00-0		U	2.00E-01	2.3E+04		1.8E+03	
SB-213	N	5	7	10/15/21	SVOC	Pyridine	110-86-1		U	4.10E-01	1.2E+03		7.8E+01	
SB-213	N	5	7	10/15/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	4.10E-01	3.5E+01		2.3E+00	
SB-213	N	5	7	10/15/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	4.10E-01	8.2E+04		6.3E+03	
SB-213	N	5	7	10/15/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	4.10E-01	8.2E+02		6.3E+01	
SB-213	N	5	7	10/15/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	4.10E-01	7.4E+01		1.7E+01	
SB-213	N	5	7	10/15/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	4.10E-01	1.5E+01		3.6E+00	
SB-213	N	5	7	10/15/21	NITRO	Nitrobenzene	98-95-3		U	4.10E-01	2.2E+02		5.1E+01	
SB-213	N	5	7	10/15/21	INORG	Aluminum	7429-90-5	1.30E+04			1.1E+06	1.2E-02	7.7E+04	1.7E-01
SB-213	N	5	7	10/15/21	INORG	Antimony	7440-36-0	1.50E+00			4.7E+02	3.2E-03	3.1E+01	4.8E-02
SB-213	N	5	7	10/15/21	INORG	Arsenic	7440-38-2	4.20E+00			3.0E+01	1.4E-01	6.8E+00	6.2E-01
SB-213	N	5	7	10/15/21	INORG	Barium	7440-39-3	8.90E+01			2.2E+05	4.0E-04	1.5E+04	5.9E-03
SB-213	N	5	7	10/15/21	INORG	Beryllium	7440-41-7	9.90E-01			2.3E+03	4.3E-04	1.6E+02	6.2E-03

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-213	N	5	7	10/15/21	INORG	Cadmium	7440-43-9	3.10E-01			1.0E+02	3.1E-03	7.1E+00	4.4E-02
SB-213	N	5	7	10/15/21	INORG	Chromium (total)	7440-47-3	1.80E+01			1.8E+06	1.0E-05	1.2E+05	1.5E-04
SB-213	N	5	7	10/15/21	INORG	Cobalt	7440-48-4	9.80E+00			3.5E+02	2.8E-02	2.3E+01	4.3E-01
SB-213	N	5	7	10/15/21	INORG	Copper	7440-50-8	2.40E+01			4.7E+04	5.1E-04	3.1E+03	7.7E-03
SB-213	N	5	7	10/15/21	INORG	Cyanide (total)	57-12-5		U	3.10E-01	1.5E+02		2.3E+01	
SB-213	N	5	7	10/15/21	INORG	Iron	7439-89-6	2.80E+04			8.2E+05	3.4E-02	5.5E+04	5.1E-01
SB-213	N	5	7	10/15/21	INORG	Lead	7439-92-1	1.20E+01			8.0E+02	1.5E-02	2.0E+02	6.0E-02
SB-213	N	5	7	10/15/21	INORG	Manganese	7439-96-5	8.10E+01			2.6E+04	3.1E-03	1.8E+03	4.5E-02
SB-213	N	5	7	10/15/21	INORG	Mercury	7439-97-6		U	1.10E-02	4.1E+01		7.4E+00	
SB-213	N	5	7	10/15/21	INORG	Nickel	7440-02-0	1.40E+01			2.2E+04	6.4E-04	1.5E+03	9.3E-03
SB-213	N	5	7	10/15/21	INORG	Selenium	7782-49-2		U	1.30E+00	5.8E+03		3.9E+02	
SB-213	N	5	7	10/15/21	INORG	Silver	7440-22-4		U	1.70E-01	5.8E+03		3.9E+02	
SB-213	N	5	7	10/15/21	INORG	Thallium	7440-28-0		U	9.10E-01	1.2E+01		7.8E-01	
SB-213	N	5	7	10/15/21	INORG	Vanadium	7440-62-2	2.90E+01			5.8E+03	5.0E-03	3.9E+02	7.4E-02
SB-213	N	5	7	10/15/21	INORG	Zinc	7440-66-6	4.10E+01			3.5E+05	1.2E-04	2.3E+04	1.8E-03
SB-213	N	16	18	10/15/21	VOC	1,2-Dichlorobenzene	95-50-1		U	3.70E-01	9.3E+03		1.8E+03	
SB-213	N	16	18	10/15/21	VOC	1,3-Dichlorobenzene	541-73-1		U	3.70E-01	1.1E+02		2.6E+01	
SB-213	N	16	18	10/15/21	VOC	1,4-Dichlorobenzene	106-46-7		U	3.70E-01	1.1E+02		2.6E+01	
SB-213	N	16	18	10/15/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	3.70E-01	2.6E+02		5.8E+01	
SB-213	N	16	18	10/15/21	SVOC	Acenaphthene	83-32-9		U	1.80E-01	4.5E+04		3.6E+03	
SB-213	N	16	18	10/15/21	SVOC	Acenaphthylene	208-96-8		U	1.80E-01	2.3E+04		1.8E+03	
SB-213	N	16	18	10/15/21	SVOC	Acetophenone	98-86-2		U	3.70E-01	1.2E+05		7.8E+03	
SB-213	N	16	18	10/15/21	SVOC	Aniline	62-53-3		U	3.70E-01	4.0E+03		4.4E+02	
SB-213	N	16	18	10/15/21	SVOC	Anthracene	120-12-7		U	1.80E-01	2.3E+05		1.8E+04	
SB-213	N	16	18	10/15/21	SVOC	Benzidine	92-87-5		U	7.10E-01	1.0E-01		5.3E-03	
SB-213	N	16	18	10/15/21	SVOC	Benzo(a)anthracene	56-55-3		U	1.80E-01	2.1E+02		1.1E+01	
SB-213	N	16	18	10/15/21	SVOC	Benzo(a)pyrene	50-32-8		U	1.80E-01	2.1E+01		1.1E+00	
SB-213	N	16	18	10/15/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	1.80E-01	2.1E+02		1.1E+01	
SB-213	N	16	18	10/15/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	1.80E-01	2.3E+04		1.8E+03	
SB-213	N	16	18	10/15/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	1.80E-01	2.1E+03		1.1E+02	
SB-213	N	16	18	10/15/21	SVOC	Benzoic Acid	65-85-0		U	1.10E+00	3.3E+06		2.5E+05	
SB-213	N	16	18	10/15/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	3.70E-01	2.5E+03		1.9E+02	
SB-213	N	16	18	10/15/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	3.70E-01	1.0E+01		2.3E+00	
SB-213	N	16	18	10/15/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	3.70E-01	1.6E+03		3.9E+02	
SB-213	N	16	18	10/15/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	3.70E-01				
SB-213	N	16	18	10/15/21	SVOC	Butylbenzylphthalate	85-68-7		U	3.70E-01	1.2E+04		2.9E+03	
SB-213	N	16	18	10/15/21	SVOC	Carbazole	86-74-8		U	1.80E-01	3.0E+04		2.4E+03	
SB-213	N	16	18	10/15/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.10E-01	8.2E+04		6.3E+03	
SB-213	N	16	18	10/15/21	SVOC	4-Chloroaniline	106-47-8		U	7.10E-01	1.1E+02		2.7E+01	
SB-213	N	16	18	10/15/21	SVOC	2-Chloronaphthalene	91-58-7		U	3.70E-01	6.0E+04		4.8E+03	
SB-213	N	16	18	10/15/21	SVOC	2-Chlorophenol	95-57-8		U	3.70E-01	5.8E+03		3.9E+02	
SB-213	N	16	18	10/15/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	3.70E-01				
SB-213	N	16	18	10/15/21	SVOC	Chrysene	218-01-9		U	1.80E-01	2.1E+04		1.1E+03	
SB-213	N	16	18	10/15/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	1.80E-01	2.1E+01		1.1E+00	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-213	N	16	18	10/15/21	SVOC	Dibenzofuran	132-64-9		U	3.70E-01	1.2E+03		7.8E+01	
SB-213	N	16	18	10/15/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	1.80E-01	5.1E+01		1.2E+01	
SB-213	N	16	18	10/15/21	SVOC	2,4-Dichlorophenol	120-83-2		U	3.70E-01	2.5E+03		1.9E+02	
SB-213	N	16	18	10/15/21	SVOC	Diethylphthalate	84-66-2		U	3.70E-01	6.6E+05		5.1E+04	
SB-213	N	16	18	10/15/21	SVOC	2,4-Dimethylphenol	105-67-9		U	3.70E-01	1.6E+04		1.3E+03	
SB-213	N	16	18	10/15/21	SVOC	Dimethylphthalate	131-11-3		U	3.70E-01	6.6E+05		5.1E+04	
SB-213	N	16	18	10/15/21	SVOC	Di-n-butylphthalate	84-74-2		U	3.70E-01	8.2E+04		6.3E+03	
SB-213	N	16	18	10/15/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	3.70E-01	6.6E+01		5.1E+00	
SB-213	N	16	18	10/15/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.10E-01	1.6E+03		1.3E+02	
SB-213	N	16	18	10/15/21	SVOC	Di-n-octylphthalate	117-84-0		U	3.70E-01	8.2E+03		6.3E+02	
SB-213	N	16	18	10/15/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	3.70E-01	2.9E+01		6.8E+00	
SB-213	N	16	18	10/15/21	SVOC	Fluoranthene	206-44-0		U	1.80E-01	3.0E+04		2.4E+03	
SB-213	N	16	18	10/15/21	SVOC	Fluorene	86-73-7		U	1.80E-01	3.0E+04		2.4E+03	
SB-213	N	16	18	10/15/21	SVOC	Hexachlorobenzene	118-74-1		U	3.70E-01	9.6E+00		7.8E-01	
SB-213	N	16	18	10/15/21	SVOC	Hexachlorobutadiene	87-68-3		U	3.70E-01	5.3E+01		1.2E+01	
SB-213	N	16	18	10/15/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	3.70E-01	7.5E+00		1.8E+00	
SB-213	N	16	18	10/15/21	SVOC	Hexachloroethane	67-72-1		U	3.70E-01	8.0E+01		1.8E+01	
SB-213	N	16	18	10/15/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	1.80E-01	2.1E+02		1.1E+01	
SB-213	N	16	18	10/15/21	SVOC	Isophorone	78-59-1		U	3.70E-01	2.4E+04		5.7E+03	
SB-213	N	16	18	10/15/21	SVOC	1-Methylnaphthalene	90-12-0		U	1.80E-01	7.3E+02		1.8E+02	
SB-213	N	16	18	10/15/21	SVOC	2-Methylnaphthalene	91-57-6		U	1.80E-01	3.0E+03		2.4E+02	
SB-213	N	16	18	10/15/21	SVOC	2-Methylphenol	95-48-7		U	3.70E-01	4.1E+04		3.2E+03	
SB-213	N	16	18	10/15/21	SVOC	3&4-Methylphenol	65794-96-9		U	3.70E-01				
SB-213	N	16	18	10/15/21	SVOC	Naphthalene	91-20-3		U	1.80E-01	8.6E+01		2.0E+01	
SB-213	N	16	18	10/15/21	SVOC	2-Nitroaniline	88-74-4		U	3.70E-01	8.0E+03		6.3E+02	
SB-213	N	16	18	10/15/21	SVOC	3-Nitroaniline	99-09-2		U	3.70E-01	1.1E+03		2.5E+02	
SB-213	N	16	18	10/15/21	SVOC	4-Nitroaniline	100-01-6		U	3.70E-01	1.1E+03		2.5E+02	
SB-213	N	16	18	10/15/21	SVOC	2-Nitrophenol	88-75-5		U	3.70E-01				
SB-213	N	16	18	10/15/21	SVOC	4-Nitrophenol	100-02-7		U	7.10E-01				
SB-213	N	16	18	10/15/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	3.70E-01	3.4E-01		2.0E-02	
SB-213	N	16	18	10/15/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	3.70E-01	4.7E+03		1.1E+03	
SB-213	N	16	18	10/15/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	3.70E-01	3.3E+00		7.8E-01	
SB-213	N	16	18	10/15/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	3.70E-01	4.7E+04		3.1E+03	
SB-213	N	16	18	10/15/21	SVOC	Pentachloronitrobenzene	82-68-8		U	3.70E-01	1.3E+02		2.7E+01	
SB-213	N	16	18	10/15/21	SVOC	Pentachlorophenol	87-86-5		U	3.70E-01	4.0E+01		1.0E+01	
SB-213	N	16	18	10/15/21	SVOC	Phenanthrene	85-01-8		U	1.80E-01	2.3E+04		1.8E+03	
SB-213	N	16	18	10/15/21	SVOC	Phenol	108-95-2		U	3.70E-01	2.5E+05		1.9E+04	
SB-213	N	16	18	10/15/21	SVOC	Pyrene	129-00-0		U	1.80E-01	2.3E+04		1.8E+03	
SB-213	N	16	18	10/15/21	SVOC	Pyridine	110-86-1		U	3.70E-01	1.2E+03		7.8E+01	
SB-213	N	16	18	10/15/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	3.70E-01	3.5E+01		2.3E+00	
SB-213	N	16	18	10/15/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	3.70E-01	8.2E+04		6.3E+03	
SB-213	N	16	18	10/15/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	3.70E-01	8.2E+02		6.3E+01	
SB-213	N	16	18	10/15/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	3.70E-01	7.4E+01		1.7E+01	
SB-213	N	16	18	10/15/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	3.70E-01	1.5E+01		3.6E+00	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-213	N	16	18	10/15/21	NITRO	Nitrobenzene	98-95-3		U	3.70E-01	2.2E+02		5.1E+01	
SB-213	N	16	18	10/15/21	INORG	Aluminum	7429-90-5	2.60E+03			1.1E+06	2.4E-03	7.7E+04	3.4E-02
SB-213	N	16	18	10/15/21	INORG	Antimony	7440-36-0	1.20E+00			4.7E+02	2.6E-03	3.1E+01	3.9E-02
SB-213	N	16	18	10/15/21	INORG	Arsenic	7440-38-2	6.00E+00			3.0E+01	2.0E-01	6.8E+00	8.8E-01
SB-213	N	16	18	10/15/21	INORG	Barium	7440-39-3	1.80E+01			2.2E+05	8.2E-05	1.5E+04	1.2E-03
SB-213	N	16	18	10/15/21	INORG	Beryllium	7440-41-7	2.70E-01			2.3E+03	1.2E-04	1.6E+02	1.7E-03
SB-213	N	16	18	10/15/21	INORG	Cadmium	7440-43-9	2.80E-01			1.0E+02	2.8E-03	7.1E+00	3.9E-02
SB-213	N	16	18	10/15/21	INORG	Chromium (total)	7440-47-3	7.40E+00			1.8E+06	4.1E-06	1.2E+05	6.2E-05
SB-213	N	16	18	10/15/21	INORG	Cobalt	7440-48-4	4.90E+00			3.5E+02	1.4E-02	2.3E+01	2.1E-01
SB-213	N	16	18	10/15/21	INORG	Copper	7440-50-8	6.90E+00			4.7E+04	1.5E-04	3.1E+03	2.2E-03
SB-213	N	16	18	10/15/21	INORG	Cyanide (total)	57-12-5		U	2.90E-01	1.5E+02		2.3E+01	
SB-213	N	16	18	10/15/21	INORG	Iron	7439-89-6	2.00E+04			8.2E+05	2.4E-02	5.5E+04	3.6E-01
SB-213	N	16	18	10/15/21	INORG	Lead	7439-92-1	1.70E+00			8.0E+02	2.1E-03	2.0E+02	8.5E-03
SB-213	N	16	18	10/15/21	INORG	Manganese	7439-96-5	7.60E+01			2.6E+04	2.9E-03	1.8E+03	4.2E-02
SB-213	N	16	18	10/15/21	INORG	Mercury	7439-97-6		U	9.30E-03	4.1E+01		7.4E+00	
SB-213	N	16	18	10/15/21	INORG	Nickel	7440-02-0	6.40E+00			2.2E+04	2.9E-04	1.5E+03	4.3E-03
SB-213	N	16	18	10/15/21	INORG	Selenium	7782-49-2		U	1.20E+00	5.8E+03		3.9E+02	
SB-213	N	16	18	10/15/21	INORG	Silver	7440-22-4		U	1.60E-01	5.8E+03		3.9E+02	
SB-213	N	16	18	10/15/21	INORG	Thallium	7440-28-0		U	8.20E-01	1.2E+01		7.8E-01	
SB-213	N	16	18	10/15/21	INORG	Vanadium	7440-62-2	8.70E+00			5.8E+03	1.5E-03	3.9E+02	2.2E-02
SB-213	N	16	18	10/15/21	INORG	Zinc	7440-66-6	1.50E+01			3.5E+05	4.3E-05	2.3E+04	6.5E-04
SB-214	N		2	10/14/21	VOC	Acetone	67-64-1		U	3.70E-02	1.1E+06		7.0E+04	
SB-214	N		2	10/14/21	VOC	Acrylonitrile	107-13-1		U	1.10E-03	1.1E+01		2.5E+00	
SB-214	N		2	10/14/21	VOC	Benzene	71-43-2		U	5.30E-04	5.1E+01		1.2E+01	
SB-214	N		2	10/14/21	VOC	Bromobenzene	108-86-1		U	3.80E-04	1.8E+03		2.9E+02	
SB-214	N		2	10/14/21	VOC	Bromochloromethane	74-97-5		U	1.10E-03	6.3E+02		1.5E+02	
SB-214	N		2	10/14/21	VOC	Bromodichloromethane	75-27-4		U	5.40E-04	1.3E+01		2.9E+00	
SB-214	N		2	10/14/21	VOC	Bromoform	75-25-2		U	6.90E-04	8.6E+02		1.9E+02	
SB-214	N		2	10/14/21	VOC	Bromomethane	74-83-9		U	4.20E-03	3.0E+01		6.8E+00	
SB-214	N		2	10/14/21	VOC	2-Butanone	78-93-3		U	1.40E-02	1.9E+05		2.7E+04	
SB-214	N		2	10/14/21	VOC	n-Butylbenzene	104-51-8		U	5.80E-04	5.8E+04		3.9E+03	
SB-214	N		2	10/14/21	VOC	sec-Butylbenzene	135-98-8		U	1.10E-03	1.2E+05		7.8E+03	
SB-214	N		2	10/14/21	VOC	tert-Butylbenzene	98-06-6		U	9.60E-04	1.2E+05		7.8E+03	
SB-214	N		2	10/14/21	VOC	Carbon Disulfide	75-15-0		U	8.10E-03	3.5E+03		7.7E+02	
SB-214	N		2	10/14/21	VOC	Carbon Tetrachloride	56-23-5		U	8.80E-04	2.9E+01		6.5E+00	
SB-214	N		2	10/14/21	VOC	Chlorobenzene	108-90-7		U	6.10E-04	1.3E+03		2.8E+02	
SB-214	N		2	10/14/21	VOC	Chloroethane	75-00-3		U	4.00E-03	2.3E+04		5.4E+03	
SB-214	N		2	10/14/21	VOC	Chloroform	67-66-3		U	1.10E-03	1.4E+01		3.2E+00	
SB-214	N		2	10/14/21	VOC	Chloromethane	74-87-3		U	3.70E-03	4.6E+02		1.1E+02	
SB-214	N		2	10/14/21	VOC	2-Chlorotoluene	95-49-8		U	5.20E-04	2.3E+04		1.6E+03	
SB-214	N		2	10/14/21	VOC	4-Chlorotoluene	106-43-4		U	4.00E-04	2.3E+04		1.6E+03	
SB-214	N		2	10/14/21	VOC	Cumene	98-82-8		U	8.10E-04	9.9E+03		1.9E+03	
SB-214	N		2	10/14/21	VOC	p-Cymene	99-87-6		U	5.20E-04				
SB-214	N		2	10/14/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8		U	7.60E-04	6.4E-01		5.3E-02	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-214	N		2	10/14/21	VOC	Dibromochloromethane	124-48-1		U	5.80E-04	3.9E+02		8.3E+01	
SB-214	N		2	10/14/21	VOC	1,2-Dibromoethane	106-93-4		U	7.10E-04	1.6E+00		3.6E-01	
SB-214	N		2	10/14/21	VOC	Dibromomethane	74-95-3		U	8.30E-04	9.9E+01		2.4E+01	
SB-214	N		2	10/14/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6		U	6.40E-04	3.2E-01		7.4E-02	
SB-214	N		2	10/14/21	VOC	1,2-Dichlorobenzene	95-50-1		U	4.50E-04	9.3E+03		1.8E+03	
SB-214	N		2	10/14/21	VOC	1,3-Dichlorobenzene	541-73-1		U	4.80E-04	1.1E+02		2.6E+01	
SB-214	N		2	10/14/21	VOC	1,4-Dichlorobenzene	106-46-7		U	5.80E-04	1.1E+02		2.6E+01	
SB-214	N		2	10/14/21	VOC	Dichlorodifluoromethane	75-71-8		U	1.30E-03	3.7E+02		8.7E+01	
SB-214	N		2	10/14/21	VOC	1,1-Dichloroethane	75-34-3		U	5.70E-04	1.6E+02		3.6E+01	
SB-214	N		2	10/14/21	VOC	1,2-Dichloroethane	107-06-2		U	7.00E-04	2.0E+01		4.6E+00	
SB-214	N		2	10/14/21	VOC	1,1-Dichloroethene	75-35-4		U	1.40E-03	1.0E+03		2.3E+02	
SB-214	N		2	10/14/21	VOC	cis-1,2-Dichloroethene	156-59-2		U	6.00E-04	3.7E+02		6.3E+01	
SB-214	N		2	10/14/21	VOC	trans-1,2-Dichloroethene	156-60-5		U	6.40E-04	3.0E+02		7.0E+01	
SB-214	N		2	10/14/21	VOC	1,2-Dichloropropane	78-87-5		U	5.40E-04	6.6E+01		1.6E+01	
SB-214	N		2	10/14/21	VOC	1,3-Dichloropropane	142-28-9		U	5.50E-04	2.3E+04		1.6E+03	
SB-214	N		2	10/14/21	VOC	2,2-Dichloropropane	594-20-7		U	8.70E-04				
SB-214	N		2	10/14/21	VOC	1,1-Dichloropropene	563-58-6		U	8.90E-04				
SB-214	N		2	10/14/21	VOC	1,3-Dichloropropene (total)	542-75-6		U	5.60E-04	8.2E+01		1.8E+01	
SB-214	N		2	10/14/21	VOC	1,4-Dioxane	123-91-1		U	2.50E-02	2.4E+02		5.3E+01	
SB-214	N		2	10/14/21	VOC	Ethyl tert-butyl ether	637-92-3		U	5.90E-04	5.6E+03		1.3E+03	
SB-214	N		2	10/14/21	VOC	Ethyl Benzene	100-41-4		U	5.10E-04	2.5E+02		5.8E+01	
SB-214	N		2	10/14/21	VOC	Diethyl ether	60-29-7		U	2.50E-03	2.3E+05		1.6E+04	
SB-214	N		2	10/14/21	VOC	2-Hexanone	591-78-6		U	6.60E-03	1.3E+03		2.0E+02	
SB-214	N		2	10/14/21	VOC	Methyl Acetate	79-20-9		U	1.50E-03	1.2E+06		7.8E+04	
SB-214	N		2	10/14/21	VOC	Methyl tert-butyl ether	1634-04-4		U	4.30E-04	2.1E+03		4.7E+02	
SB-214	N		2	10/14/21	VOC	4-Methyl-2-pentanone	108-10-1		U	5.00E-03	1.4E+05		3.3E+04	
SB-214	N		2	10/14/21	VOC	Methylcyclohexane	108-87-2		U	8.30E-04	2.7E+04		6.5E+03	
SB-214	N		2	10/14/21	VOC	Methylene Chloride	75-09-2		U	6.40E-04	3.2E+03		3.5E+02	
SB-214	N		2	10/14/21	VOC	Diisopropyl ether	108-20-3		U	6.10E-04	9.4E+03		2.2E+03	
SB-214	N		2	10/14/21	VOC	n-Propylbenzene	103-65-1		U	4.40E-04	2.4E+04		3.8E+03	
SB-214	N		2	10/14/21	VOC	Styrene	100-42-5		U	4.80E-04	3.5E+04		6.0E+03	
SB-214	N		2	10/14/21	VOC	tert-Butyl alcohol	75-65-0		U	5.50E-02	6.5E+04		1.4E+04	
SB-214	N		2	10/14/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6		U	6.30E-04	8.8E+01		2.0E+01	
SB-214	N		2	10/14/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5		U	6.20E-04	2.7E+01		6.0E+00	
SB-214	N		2	10/14/21	VOC	Tetrachloroethene	127-18-4		U	6.20E-04	3.9E+02		8.1E+01	
SB-214	N		2	10/14/21	VOC	Tetrahydrofuran	109-99-9		U	2.90E-03	9.5E+04		1.8E+04	
SB-214	N		2	10/14/21	VOC	Toluene	108-88-3		U	6.40E-04	4.7E+04		4.9E+03	
SB-214	N		2	10/14/21	VOC	1,2,3-Trichlorobenzene	87-61-6		U	6.20E-04	9.3E+02		6.3E+01	
SB-214	N		2	10/14/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	5.50E-04	2.6E+02		5.8E+01	
SB-214	N		2	10/14/21	VOC	1,3,5-Trichlorobenzene	108-70-3		U	5.50E-04				
SB-214	N		2	10/14/21	VOC	1,1,1-Trichloroethane	71-55-6		U	7.70E-04	3.6E+04		8.1E+03	
SB-214	N		2	10/14/21	VOC	1,1,2-Trichloroethane	79-00-5		U	5.30E-04	6.3E+00		1.5E+00	
SB-214	N		2	10/14/21	VOC	Trichloroethene	79-01-6		U	5.60E-04	1.9E+01		4.1E+00	
SB-214	N		2	10/14/21	VOC	Trichlorofluoromethane	75-69-4		U	4.10E-03	3.5E+05		2.3E+04	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-214	N		2	10/14/21	VOC	1,2,3-Trichloropropane	96-18-4		U	1.10E-03	1.1E+00		5.1E-02	
SB-214	N		2	10/14/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		U	3.10E-03	2.8E+04		6.7E+03	
SB-214	N		2	10/14/21	VOC	1,2,4-Trimethylbenzene	95-63-6		U	7.30E-04	1.8E+03		3.0E+02	
SB-214	N		2	10/14/21	VOC	1,3,5-Trimethylbenzene	108-67-8		U	5.00E-04	1.5E+03		2.7E+02	
SB-214	N		2	10/14/21	VOC	Vinyl Chloride	75-01-4		U	3.40E-03	1.7E+01		5.9E-01	
SB-214	N		2	10/14/21	VOC	Xylenes (total)	1330-20-7		U	8.60E-04	2.5E+03		5.8E+02	
SB-214	N		2	10/14/21	SVOC	Acenaphthene	83-32-9	6.50E-02	J	1.90E-01	4.5E+04	1.4E-06	3.6E+03	1.8E-05
SB-214	N		2	10/14/21	SVOC	Acenaphthylene	208-96-8	6.70E-02	J	1.90E-01	2.3E+04	2.9E-06	1.8E+03	3.7E-05
SB-214	N		2	10/14/21	SVOC	Acetophenone	98-86-2		U	3.90E-01	1.2E+05		7.8E+03	
SB-214	N		2	10/14/21	SVOC	t-Amyl methyl ether	994-05-8		U	5.10E-04				
SB-214	N		2	10/14/21	SVOC	Aniline	62-53-3		U	3.90E-01	4.0E+03		4.4E+02	
SB-214	N		2	10/14/21	SVOC	Anthracene	120-12-7	3.70E-01		1.90E-01	2.3E+05	1.6E-06	1.8E+04	2.1E-05
SB-214	N		2	10/14/21	SVOC	Benzidine	92-87-5		U	7.50E-01	1.0E-01		5.3E-03	
SB-214	N		2	10/14/21	SVOC	Benzo(a)anthracene	56-55-3	1.80E+00		1.90E-01	2.1E+02	8.6E-03	1.1E+01	1.6E-01
SB-214	N		2	10/14/21	SVOC	Benzo(a)pyrene	50-32-8	1.50E+00		1.90E-01	2.1E+01	7.1E-02	1.1E+00	1.4E+00
SB-214	N		2	10/14/21	SVOC	Benzo(b)fluoranthene	205-99-2	1.90E+00		1.90E-01	2.1E+02	9.0E-03	1.1E+01	1.7E-01
SB-214	N		2	10/14/21	SVOC	Benzo(g,h,i)perylene	191-24-2	6.40E-01		1.90E-01	2.3E+04	2.8E-05	1.8E+03	3.6E-04
SB-214	N		2	10/14/21	SVOC	Benzo(k)fluoranthene	207-08-9	8.40E-01		1.90E-01	2.1E+03	4.0E-04	1.1E+02	7.6E-03
SB-214	N		2	10/14/21	SVOC	Benzoic Acid	65-85-0		U	1.10E+00	3.3E+06		2.5E+05	
SB-214	N		2	10/14/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	3.90E-01	2.5E+03		1.9E+02	
SB-214	N		2	10/14/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	3.90E-01	1.0E+01		2.3E+00	
SB-214	N		2	10/14/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	3.90E-01	1.6E+03		3.9E+02	
SB-214	N		2	10/14/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	3.90E-01				
SB-214	N		2	10/14/21	SVOC	Butylbenzylphthalate	85-68-7		U	3.90E-01	1.2E+04		2.9E+03	
SB-214	N		2	10/14/21	SVOC	Carbazole	86-74-8	2.30E-01		1.90E-01	3.0E+04	7.7E-06	2.4E+03	9.6E-05
SB-214	N		2	10/14/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.50E-01	8.2E+04		6.3E+03	
SB-214	N		2	10/14/21	SVOC	4-Chloroaniline	106-47-8		U	7.50E-01	1.1E+02		2.7E+01	
SB-214	N		2	10/14/21	SVOC	2-Chloronaphthalene	91-58-7		U	3.90E-01	6.0E+04		4.8E+03	
SB-214	N		2	10/14/21	SVOC	2-Chlorophenol	95-57-8		U	3.90E-01	5.8E+03		3.9E+02	
SB-214	N		2	10/14/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	3.90E-01				
SB-214	N		2	10/14/21	SVOC	Chrysene	218-01-9	1.60E+00		1.90E-01	2.1E+04	7.6E-05	1.1E+03	1.5E-03
SB-214	N		2	10/14/21	SVOC	Dibenz(a,h)anthracene	53-70-3	2.10E-01		1.90E-01	2.1E+01	1.0E-02	1.1E+00	1.9E-01
SB-214	N		2	10/14/21	SVOC	Dibenzofuran	132-64-9	9.90E-02	J	3.90E-01	1.2E+03	8.3E-05	7.8E+01	1.3E-03
SB-214	N		2	10/14/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	1.90E-01	5.1E+01		1.2E+01	
SB-214	N		2	10/14/21	SVOC	2,4-Dichlorophenol	120-83-2		U	3.90E-01	2.5E+03		1.9E+02	
SB-214	N		2	10/14/21	SVOC	Diethylphthalate	84-66-2		U	3.90E-01	6.6E+05		5.1E+04	
SB-214	N		2	10/14/21	SVOC	2,4-Dimethylphenol	105-67-9		U	3.90E-01	1.6E+04		1.3E+03	
SB-214	N		2	10/14/21	SVOC	Dimethylphthalate	131-11-3		U	3.90E-01	6.6E+05		5.1E+04	
SB-214	N		2	10/14/21	SVOC	Di-n-butylphthalate	84-74-2		U	3.90E-01	8.2E+04		6.3E+03	
SB-214	N		2	10/14/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	3.90E-01	6.6E+01		5.1E+00	
SB-214	N		2	10/14/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.50E-01	1.6E+03		1.3E+02	
SB-214	N		2	10/14/21	SVOC	Di-n-octylphthalate	117-84-0		U	3.90E-01	8.2E+03		6.3E+02	
SB-214	N		2	10/14/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	3.90E-01	2.9E+01		6.8E+00	
SB-214	N		2	10/14/21	SVOC	Fluoranthene	206-44-0	3.00E+00		1.90E-01	3.0E+04	1.0E-04	2.4E+03	1.3E-03



**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-214	N		2	10/14/21	SVOC	Fluorene	86-73-7	1.10E-01	J	1.90E-01	3.0E+04	3.7E-06	2.4E+03	4.6E-05
SB-214	N		2	10/14/21	SVOC	Hexachlorobenzene	118-74-1		U	3.90E-01	9.6E+00		7.8E-01	
SB-214	N		2	10/14/21	SVOC	Hexachlorobutadiene	87-68-3		U	8.10E-04	5.3E+01		1.2E+01	
SB-214	N		2	10/14/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	3.90E-01	7.5E+00		1.8E+00	
SB-214	N		2	10/14/21	SVOC	Hexachloroethane	67-72-1		U	3.90E-01	8.0E+01		1.8E+01	
SB-214	N		2	10/14/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	7.30E-01		1.90E-01	2.1E+02	3.5E-03	1.1E+01	6.6E-02
SB-214	N		2	10/14/21	SVOC	Isophorone	78-59-1		U	3.90E-01	2.4E+04		5.7E+03	
SB-214	N		2	10/14/21	SVOC	1-Methylnaphthalene	90-12-0	5.80E-02	J	1.90E-01	7.3E+02	7.9E-05	1.8E+02	3.2E-04
SB-214	N		2	10/14/21	SVOC	2-Methylnaphthalene	91-57-6	1.00E-01	J	1.90E-01	3.0E+03	3.3E-05	2.4E+02	4.2E-04
SB-214	N		2	10/14/21	SVOC	2-Methylphenol	95-48-7		U	3.90E-01	4.1E+04		3.2E+03	
SB-214	N		2	10/14/21	SVOC	3&4-Methylphenol	65794-96-9		U	3.90E-01				
SB-214	N		2	10/14/21	SVOC	Naphthalene	91-20-3	1.50E-01	J	1.90E-01	8.6E+01	1.7E-03	2.0E+01	7.5E-03
SB-214	N		2	10/14/21	SVOC	2-Nitroaniline	88-74-4		U	3.90E-01	8.0E+03		6.3E+02	
SB-214	N		2	10/14/21	SVOC	3-Nitroaniline	99-09-2		U	3.90E-01	1.1E+03		2.5E+02	
SB-214	N		2	10/14/21	SVOC	4-Nitroaniline	100-01-6		U	3.90E-01	1.1E+03		2.5E+02	
SB-214	N		2	10/14/21	SVOC	2-Nitrophenol	88-75-5		U	3.90E-01				
SB-214	N		2	10/14/21	SVOC	4-Nitrophenol	100-02-7		U	7.50E-01				
SB-214	N		2	10/14/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	3.90E-01	3.4E-01		2.0E-02	
SB-214	N		2	10/14/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	3.90E-01	4.7E+03		1.1E+03	
SB-214	N		2	10/14/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	3.90E-01	3.3E+00		7.8E-01	
SB-214	N		2	10/14/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	3.90E-01	4.7E+04		3.1E+03	
SB-214	N		2	10/14/21	SVOC	Pentachloronitrobenzene	82-68-8		U	3.90E-01	1.3E+02		2.7E+01	
SB-214	N		2	10/14/21	SVOC	Pentachlorophenol	87-86-5		U	3.90E-01	4.0E+01		1.0E+01	
SB-214	N		2	10/14/21	SVOC	Phenanthrene	85-01-8	1.60E+00		1.90E-01	2.3E+04	7.0E-05	1.8E+03	8.9E-04
SB-214	N		2	10/14/21	SVOC	Phenol	108-95-2		U	3.90E-01	2.5E+05		1.9E+04	
SB-214	N		2	10/14/21	SVOC	Pyrene	129-00-0	2.90E+00		1.90E-01	2.3E+04	1.3E-04	1.8E+03	1.6E-03
SB-214	N		2	10/14/21	SVOC	Pyridine	110-86-1		U	3.90E-01	1.2E+03		7.8E+01	
SB-214	N		2	10/14/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	3.90E-01	3.5E+01		2.3E+00	
SB-214	N		2	10/14/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	3.90E-01	8.2E+04		6.3E+03	
SB-214	N		2	10/14/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	3.90E-01	8.2E+02		6.3E+01	
SB-214	N		2	10/14/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	3.90E-01	7.4E+01		1.7E+01	
SB-214	N		2	10/14/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	3.90E-01	1.5E+01		3.6E+00	
SB-214	N		2	10/14/21	NITRO	Nitrobenzene	98-95-3		U	3.90E-01	2.2E+02		5.1E+01	
SB-214	N		2	10/14/21	INORG	Aluminum	7429-90-5	8.30E+03			1.1E+06	7.5E-03	7.7E+04	1.1E-01
SB-214	N		2	10/14/21	INORG	Antimony	7440-36-0		U	7.60E-01	4.7E+02		3.1E+01	
SB-214	N		2	10/14/21	INORG	Arsenic	7440-38-2	6.00E+00			3.0E+01	2.0E-01	6.8E+00	8.8E-01
SB-214	N		2	10/14/21	INORG	Barium	7440-39-3	1.30E+02			2.2E+05	5.9E-04	1.5E+04	8.7E-03
SB-214	N		2	10/14/21	INORG	Beryllium	7440-41-7	6.50E-01			2.3E+03	2.8E-04	1.6E+02	4.1E-03
SB-214	N		2	10/14/21	INORG	Cadmium	7440-43-9	3.10E-01			1.0E+02	3.1E-03	7.1E+00	4.4E-02
SB-214	N		2	10/14/21	INORG	Chromium (total)	7440-47-3	1.60E+01			1.8E+06	8.9E-06	1.2E+05	1.3E-04
SB-214	N		2	10/14/21	INORG	Cobalt	7440-48-4	9.60E+00			3.5E+02	2.7E-02	2.3E+01	4.2E-01
SB-214	N		2	10/14/21	INORG	Copper	7440-50-8	4.00E+01			4.7E+04	8.5E-04	3.1E+03	1.3E-02
SB-214	N		2	10/14/21	INORG	Cyanide (total)	57-12-5		U	3.80E-01	1.5E+02		2.3E+01	
SB-214	N		2	10/14/21	INORG	Iron	7439-89-6	2.50E+04			8.2E+05	3.0E-02	5.5E+04	4.5E-01

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-214	N		2	10/14/21	INORG	Lead	7439-92-1	1.80E+02			8.0E+02	2.3E-01	2.0E+02	9.0E-01
SB-214	N		2	10/14/21	INORG	Manganese	7439-96-5	4.00E+02			2.6E+04	1.5E-02	1.8E+03	2.2E-01
SB-214	N		2	10/14/21	INORG	Mercury	7439-97-6	2.60E-01			4.1E+01	6.4E-03	7.4E+00	3.5E-02
SB-214	N		2	10/14/21	INORG	Nickel	7440-02-0	9.20E+00			2.2E+04	4.2E-04	1.5E+03	6.1E-03
SB-214	N		2	10/14/21	INORG	Selenium	7782-49-2		U	1.30E+00	5.8E+03		3.9E+02	
SB-214	N		2	10/14/21	INORG	Silver	7440-22-4		U	1.70E-01	5.8E+03		3.9E+02	
SB-214	N		2	10/14/21	INORG	Thallium	7440-28-0		U	8.90E-01	1.2E+01		7.8E-01	
SB-214	N		2	10/14/21	INORG	Vanadium	7440-62-2	2.50E+01			5.8E+03	4.3E-03	3.9E+02	6.4E-02
SB-214	N		2	10/14/21	INORG	Zinc	7440-66-6	1.50E+02			3.5E+05	4.3E-04	2.3E+04	6.5E-03
SB-214	N	5	7	10/14/21	VOC	Acetone	67-64-1		U	3.20E-02	1.1E+06		7.0E+04	
SB-214	N	5	7	10/14/21	VOC	Acrylonitrile	107-13-1		U	9.70E-04	1.1E+01		2.5E+00	
SB-214	N	5	7	10/14/21	VOC	Benzene	71-43-2		U	4.70E-04	5.1E+01		1.2E+01	
SB-214	N	5	7	10/14/21	VOC	Bromobenzene	108-86-1		U	3.30E-04	1.8E+03		2.9E+02	
SB-214	N	5	7	10/14/21	VOC	Bromochloromethane	74-97-5		U	9.40E-04	6.3E+02		1.5E+02	
SB-214	N	5	7	10/14/21	VOC	Bromodichloromethane	75-27-4		U	4.70E-04	1.3E+01		2.9E+00	
SB-214	N	5	7	10/14/21	VOC	Bromoform	75-25-2		U	6.00E-04	8.6E+02		1.9E+02	
SB-214	N	5	7	10/14/21	VOC	Bromomethane	74-83-9		U	3.60E-03	3.0E+01		6.8E+00	
SB-214	N	5	7	10/14/21	VOC	2-Butanone	78-93-3		U	1.20E-02	1.9E+05		2.7E+04	
SB-214	N	5	7	10/14/21	VOC	n-Butylbenzene	104-51-8		U	5.10E-04	5.8E+04		3.9E+03	
SB-214	N	5	7	10/14/21	VOC	sec-Butylbenzene	135-98-8		U	9.60E-04	1.2E+05		7.8E+03	
SB-214	N	5	7	10/14/21	VOC	tert-Butylbenzene	98-06-6		U	8.40E-04	1.2E+05		7.8E+03	
SB-214	N	5	7	10/14/21	VOC	Carbon Disulfide	75-15-0		U	7.10E-03	3.5E+03		7.7E+02	
SB-214	N	5	7	10/14/21	VOC	Carbon Tetrachloride	56-23-5		U	7.70E-04	2.9E+01		6.5E+00	
SB-214	N	5	7	10/14/21	VOC	Chlorobenzene	108-90-7		U	5.30E-04	1.3E+03		2.8E+02	
SB-214	N	5	7	10/14/21	VOC	Chloroethane	75-00-3		U	3.50E-03	2.3E+04		5.4E+03	
SB-214	N	5	7	10/14/21	VOC	Chloroform	67-66-3		U	9.90E-04	1.4E+01		3.2E+00	
SB-214	N	5	7	10/14/21	VOC	Chloromethane	74-87-3		U	3.20E-03	4.6E+02		1.1E+02	
SB-214	N	5	7	10/14/21	VOC	2-Chlorotoluene	95-49-8		U	4.50E-04	2.3E+04		1.6E+03	
SB-214	N	5	7	10/14/21	VOC	4-Chlorotoluene	106-43-4		U	3.50E-04	2.3E+04		1.6E+03	
SB-214	N	5	7	10/14/21	VOC	Cumene	98-82-8		U	7.10E-04	9.9E+03		1.9E+03	
SB-214	N	5	7	10/14/21	VOC	p-Cymene	99-87-6		U	4.60E-04				
SB-214	N	5	7	10/14/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8		U	6.60E-04	6.4E-01		5.3E-02	
SB-214	N	5	7	10/14/21	VOC	Dibromochloromethane	124-48-1		U	5.10E-04	3.9E+02		8.3E+01	
SB-214	N	5	7	10/14/21	VOC	1,2-Dibromoethane	106-93-4		U	6.20E-04	1.6E+00		3.6E-01	
SB-214	N	5	7	10/14/21	VOC	Dibromomethane	74-95-3		U	7.20E-04	9.9E+01		2.4E+01	
SB-214	N	5	7	10/14/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6		U	5.60E-04	3.2E-01		7.4E-02	
SB-214	N	5	7	10/14/21	VOC	1,2-Dichlorobenzene	95-50-1		U	4.00E-04	9.3E+03		1.8E+03	
SB-214	N	5	7	10/14/21	VOC	1,3-Dichlorobenzene	541-73-1		U	4.20E-04	1.1E+02		2.6E+01	
SB-214	N	5	7	10/14/21	VOC	1,4-Dichlorobenzene	106-46-7		U	5.10E-04	1.1E+02		2.6E+01	
SB-214	N	5	7	10/14/21	VOC	Dichlorodifluoromethane	75-71-8		U	1.10E-03	3.7E+02		8.7E+01	
SB-214	N	5	7	10/14/21	VOC	1,1-Dichloroethane	75-34-3		U	5.00E-04	1.6E+02		3.6E+01	
SB-214	N	5	7	10/14/21	VOC	1,2-Dichloroethane	107-06-2		U	6.10E-04	2.0E+01		4.6E+00	
SB-214	N	5	7	10/14/21	VOC	1,1-Dichloroethene	75-35-4		U	1.20E-03	1.0E+03		2.3E+02	
SB-214	N	5	7	10/14/21	VOC	cis-1,2-Dichloroethene	156-59-2		U	5.20E-04	3.7E+02		6.3E+01	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-214	N	5	7	10/14/21	VOC	trans-1,2-Dichloroethene	156-60-5		U	5.50E-04	3.0E+02		7.0E+01	
SB-214	N	5	7	10/14/21	VOC	1,2-Dichloropropane	78-87-5		U	4.70E-04	6.6E+01		1.6E+01	
SB-214	N	5	7	10/14/21	VOC	1,3-Dichloropropane	142-28-9		U	4.80E-04	2.3E+04		1.6E+03	
SB-214	N	5	7	10/14/21	VOC	2,2-Dichloropropane	594-20-7		U	7.60E-04				
SB-214	N	5	7	10/14/21	VOC	1,1-Dichloropropene	563-58-6		U	7.80E-04				
SB-214	N	5	7	10/14/21	VOC	1,3-Dichloropropene (total)	542-75-6		U	4.80E-04	8.2E+01		1.8E+01	
SB-214	N	5	7	10/14/21	VOC	1,4-Dioxane	123-91-1		U	2.20E-02	2.4E+02		5.3E+01	
SB-214	N	5	7	10/14/21	VOC	Ethyl tert-butyl ether	637-92-3		U	5.10E-04	5.6E+03		1.3E+03	
SB-214	N	5	7	10/14/21	VOC	Ethyl Benzene	100-41-4		U	4.40E-04	2.5E+02		5.8E+01	
SB-214	N	5	7	10/14/21	VOC	Diethyl ether	60-29-7		U	2.20E-03	2.3E+05		1.6E+04	
SB-214	N	5	7	10/14/21	VOC	2-Hexanone	591-78-6		U	5.70E-03	1.3E+03		2.0E+02	
SB-214	N	5	7	10/14/21	VOC	Methyl Acetate	79-20-9		U	1.30E-03	1.2E+06		7.8E+04	
SB-214	N	5	7	10/14/21	VOC	Methyl tert-butyl ether	1634-04-4		U	3.70E-04	2.1E+03		4.7E+02	
SB-214	N	5	7	10/14/21	VOC	4-Methyl-2-pentanone	108-10-1		U	4.40E-03	1.4E+05		3.3E+04	
SB-214	N	5	7	10/14/21	VOC	Methylcyclohexane	108-87-2		U	7.20E-04	2.7E+04		6.5E+03	
SB-214	N	5	7	10/14/21	VOC	Methylene Chloride	75-09-2		U	5.60E-04	3.2E+03		3.5E+02	
SB-214	N	5	7	10/14/21	VOC	Diisopropyl ether	108-20-3		U	5.30E-04	9.4E+03		2.2E+03	
SB-214	N	5	7	10/14/21	VOC	n-Propylbenzene	103-65-1		U	3.80E-04	2.4E+04		3.8E+03	
SB-214	N	5	7	10/14/21	VOC	Styrene	100-42-5		U	4.20E-04	3.5E+04		6.0E+03	
SB-214	N	5	7	10/14/21	VOC	tert-Butyl alcohol	75-65-0		U	4.80E-02	6.5E+04		1.4E+04	
SB-214	N	5	7	10/14/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6		U	5.50E-04	8.8E+01		2.0E+01	
SB-214	N	5	7	10/14/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5		U	5.40E-04	2.7E+01		6.0E+00	
SB-214	N	5	7	10/14/21	VOC	Tetrachloroethene	127-18-4		U	5.40E-04	3.9E+02		8.1E+01	
SB-214	N	5	7	10/14/21	VOC	Tetrahydrofuran	109-99-9		U	2.50E-03	9.5E+04		1.8E+04	
SB-214	N	5	7	10/14/21	VOC	Toluene	108-88-3		U	5.50E-04	4.7E+04		4.9E+03	
SB-214	N	5	7	10/14/21	VOC	1,2,3-Trichlorobenzene	87-61-6		U	5.40E-04	9.3E+02		6.3E+01	
SB-214	N	5	7	10/14/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	4.80E-04	2.6E+02		5.8E+01	
SB-214	N	5	7	10/14/21	VOC	1,3,5-Trichlorobenzene	108-70-3		U	4.80E-04				
SB-214	N	5	7	10/14/21	VOC	1,1,1-Trichloroethane	71-55-6		U	6.80E-04	3.6E+04		8.1E+03	
SB-214	N	5	7	10/14/21	VOC	1,1,2-Trichloroethane	79-00-5		U	4.60E-04	6.3E+00		1.5E+00	
SB-214	N	5	7	10/14/21	VOC	Trichloroethene	79-01-6		U	4.90E-04	1.9E+01		4.1E+00	
SB-214	N	5	7	10/14/21	VOC	Trichlorofluoromethane	75-69-4		U	3.60E-03	3.5E+05		2.3E+04	
SB-214	N	5	7	10/14/21	VOC	1,2,3-Trichloropropane	96-18-4		U	9.50E-04	1.1E+00		5.1E-02	
SB-214	N	5	7	10/14/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		U	2.70E-03	2.8E+04		6.7E+03	
SB-214	N	5	7	10/14/21	VOC	1,2,4-Trimethylbenzene	95-63-6		U	6.40E-04	1.8E+03		3.0E+02	
SB-214	N	5	7	10/14/21	VOC	1,3,5-Trimethylbenzene	108-67-8		U	4.30E-04	1.5E+03		2.7E+02	
SB-214	N	5	7	10/14/21	VOC	Vinyl Chloride	75-01-4		U	3.00E-03	1.7E+01		5.9E-01	
SB-214	N	5	7	10/14/21	VOC	Xylenes (total)	1330-20-7		U	7.50E-04	2.5E+03		5.8E+02	
SB-214	N	5	7	10/14/21	SVOC	Acenaphthene	83-32-9		U	2.10E-01	4.5E+04		3.6E+03	
SB-214	N	5	7	10/14/21	SVOC	Acenaphthylene	208-96-8		U	2.10E-01	2.3E+04		1.8E+03	
SB-214	N	5	7	10/14/21	SVOC	Acetophenone	98-86-2		U	4.30E-01	1.2E+05		7.8E+03	
SB-214	N	5	7	10/14/21	SVOC	t-Amyl methyl ether	994-05-8		U	4.50E-04				
SB-214	N	5	7	10/14/21	SVOC	Aniline	62-53-3		U	4.30E-01	4.0E+03		4.4E+02	
SB-214	N	5	7	10/14/21	SVOC	Anthracene	120-12-7		U	2.10E-01	2.3E+05		1.8E+04	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-214	N	5	7	10/14/21	SVOC	Benzidine	92-87-5		U	8.30E-01	1.0E-01		5.3E-03	
SB-214	N	5	7	10/14/21	SVOC	Benzo(a)anthracene	56-55-3		U	2.10E-01	2.1E+02		1.1E+01	
SB-214	N	5	7	10/14/21	SVOC	Benzo(a)pyrene	50-32-8		U	2.10E-01	2.1E+01		1.1E+00	
SB-214	N	5	7	10/14/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	2.10E-01	2.1E+02		1.1E+01	
SB-214	N	5	7	10/14/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	2.10E-01	2.3E+04		1.8E+03	
SB-214	N	5	7	10/14/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	2.10E-01	2.1E+03		1.1E+02	
SB-214	N	5	7	10/14/21	SVOC	Benzoic Acid	65-85-0		U	1.30E+00	3.3E+06		2.5E+05	
SB-214	N	5	7	10/14/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	4.30E-01	2.5E+03		1.9E+02	
SB-214	N	5	7	10/14/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	4.30E-01	1.0E+01		2.3E+00	
SB-214	N	5	7	10/14/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	4.30E-01	1.6E+03		3.9E+02	
SB-214	N	5	7	10/14/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	4.30E-01				
SB-214	N	5	7	10/14/21	SVOC	Butylbenzylphthalate	85-68-7		U	4.30E-01	1.2E+04		2.9E+03	
SB-214	N	5	7	10/14/21	SVOC	Carbazole	86-74-8		U	2.10E-01	3.0E+04		2.4E+03	
SB-214	N	5	7	10/14/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	8.30E-01	8.2E+04		6.3E+03	
SB-214	N	5	7	10/14/21	SVOC	4-Chloroaniline	106-47-8		U	8.30E-01	1.1E+02		2.7E+01	
SB-214	N	5	7	10/14/21	SVOC	2-Chloronaphthalene	91-58-7		U	4.30E-01	6.0E+04		4.8E+03	
SB-214	N	5	7	10/14/21	SVOC	2-Chlorophenol	95-57-8		U	4.30E-01	5.8E+03		3.9E+02	
SB-214	N	5	7	10/14/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	4.30E-01				
SB-214	N	5	7	10/14/21	SVOC	Chrysene	218-01-9		U	2.10E-01	2.1E+04		1.1E+03	
SB-214	N	5	7	10/14/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	2.10E-01	2.1E+01		1.1E+00	
SB-214	N	5	7	10/14/21	SVOC	Dibenzofuran	132-64-9		U	4.30E-01	1.2E+03		7.8E+01	
SB-214	N	5	7	10/14/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	2.10E-01	5.1E+01		1.2E+01	
SB-214	N	5	7	10/14/21	SVOC	2,4-Dichlorophenol	120-83-2		U	4.30E-01	2.5E+03		1.9E+02	
SB-214	N	5	7	10/14/21	SVOC	Diethylphthalate	84-66-2		U	4.30E-01	6.6E+05		5.1E+04	
SB-214	N	5	7	10/14/21	SVOC	2,4-Dimethylphenol	105-67-9		U	4.30E-01	1.6E+04		1.3E+03	
SB-214	N	5	7	10/14/21	SVOC	Dimethylphthalate	131-11-3		U	4.30E-01	6.6E+05		5.1E+04	
SB-214	N	5	7	10/14/21	SVOC	Di-n-butylphthalate	84-74-2		U	4.30E-01	8.2E+04		6.3E+03	
SB-214	N	5	7	10/14/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	4.30E-01	6.6E+01		5.1E+00	
SB-214	N	5	7	10/14/21	SVOC	2,4-Dinitrophenol	51-28-5		U	8.30E-01	1.6E+03		1.3E+02	
SB-214	N	5	7	10/14/21	SVOC	Di-n-octylphthalate	117-84-0		U	4.30E-01	8.2E+03		6.3E+02	
SB-214	N	5	7	10/14/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	4.30E-01	2.9E+01		6.8E+00	
SB-214	N	5	7	10/14/21	SVOC	Fluoranthene	206-44-0		U	2.10E-01	3.0E+04		2.4E+03	
SB-214	N	5	7	10/14/21	SVOC	Fluorene	86-73-7		U	2.10E-01	3.0E+04		2.4E+03	
SB-214	N	5	7	10/14/21	SVOC	Hexachlorobenzene	118-74-1		U	4.30E-01	9.6E+00		7.8E-01	
SB-214	N	5	7	10/14/21	SVOC	Hexachlorobutadiene	87-68-3		U	7.10E-04	5.3E+01		1.2E+01	
SB-214	N	5	7	10/14/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	4.30E-01	7.5E+00		1.8E+00	
SB-214	N	5	7	10/14/21	SVOC	Hexachloroethane	67-72-1		U	4.30E-01	8.0E+01		1.8E+01	
SB-214	N	5	7	10/14/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	2.10E-01	2.1E+02		1.1E+01	
SB-214	N	5	7	10/14/21	SVOC	Isophorone	78-59-1		U	4.30E-01	2.4E+04		5.7E+03	
SB-214	N	5	7	10/14/21	SVOC	1-Methylnaphthalene	90-12-0		U	2.10E-01	7.3E+02		1.8E+02	
SB-214	N	5	7	10/14/21	SVOC	2-Methylnaphthalene	91-57-6		U	2.10E-01	3.0E+03		2.4E+02	
SB-214	N	5	7	10/14/21	SVOC	2-Methylphenol	95-48-7		U	4.30E-01	4.1E+04		3.2E+03	
SB-214	N	5	7	10/14/21	SVOC	3&4-Methylphenol	65794-96-9		U	4.30E-01				
SB-214	N	5	7	10/14/21	SVOC	Naphthalene	91-20-3		U	5.10E-04	8.6E+01		2.0E+01	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-214	N	5	7	10/14/21	SVOC	2-Nitroaniline	88-74-4		U	4.30E-01	8.0E+03		6.3E+02	
SB-214	N	5	7	10/14/21	SVOC	3-Nitroaniline	99-09-2		U	4.30E-01	1.1E+03		2.5E+02	
SB-214	N	5	7	10/14/21	SVOC	4-Nitroaniline	100-01-6		U	4.30E-01	1.1E+03		2.5E+02	
SB-214	N	5	7	10/14/21	SVOC	2-Nitrophenol	88-75-5		U	4.30E-01				
SB-214	N	5	7	10/14/21	SVOC	4-Nitrophenol	100-02-7		U	8.30E-01				
SB-214	N	5	7	10/14/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	4.30E-01	3.4E-01		2.0E-02	
SB-214	N	5	7	10/14/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	4.30E-01	4.7E+03		1.1E+03	
SB-214	N	5	7	10/14/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	4.30E-01	3.3E+00		7.8E-01	
SB-214	N	5	7	10/14/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	4.30E-01	4.7E+04		3.1E+03	
SB-214	N	5	7	10/14/21	SVOC	Pentachloronitrobenzene	82-68-8		U	4.30E-01	1.3E+02		2.7E+01	
SB-214	N	5	7	10/14/21	SVOC	Pentachlorophenol	87-86-5		U	4.30E-01	4.0E+01		1.0E+01	
SB-214	N	5	7	10/14/21	SVOC	Phenanthrene	85-01-8		U	2.10E-01	2.3E+04		1.8E+03	
SB-214	N	5	7	10/14/21	SVOC	Phenol	108-95-2		U	4.30E-01	2.5E+05		1.9E+04	
SB-214	N	5	7	10/14/21	SVOC	Pyrene	129-00-0		U	2.10E-01	2.3E+04		1.8E+03	
SB-214	N	5	7	10/14/21	SVOC	Pyridine	110-86-1		U	4.30E-01	1.2E+03		7.8E+01	
SB-214	N	5	7	10/14/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	4.30E-01	3.5E+01		2.3E+00	
SB-214	N	5	7	10/14/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	4.30E-01	8.2E+04		6.3E+03	
SB-214	N	5	7	10/14/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	4.30E-01	8.2E+02		6.3E+01	
SB-214	N	5	7	10/14/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	4.30E-01	7.4E+01		1.7E+01	
SB-214	N	5	7	10/14/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	4.30E-01	1.5E+01		3.6E+00	
SB-214	N	5	7	10/14/21	NITRO	Nitrobenzene	98-95-3		U	4.30E-01	2.2E+02		5.1E+01	
SB-214	N	5	7	10/14/21	INORG	Aluminum	7429-90-5	9.60E+03			1.1E+06	8.7E-03	7.7E+04	1.2E-01
SB-214	N	5	7	10/14/21	INORG	Antimony	7440-36-0		U	8.00E-01	4.7E+02		3.1E+01	
SB-214	N	5	7	10/14/21	INORG	Arsenic	7440-38-2	5.60E+00			3.0E+01	1.9E-01	6.8E+00	8.2E-01
SB-214	N	5	7	10/14/21	INORG	Barium	7440-39-3	4.30E+01			2.2E+05	2.0E-04	1.5E+04	2.9E-03
SB-214	N	5	7	10/14/21	INORG	Beryllium	7440-41-7	6.00E-01			2.3E+03	2.6E-04	1.6E+02	3.8E-03
SB-214	N	5	7	10/14/21	INORG	Cadmium	7440-43-9		U	2.00E-01	1.0E+02		7.1E+00	
SB-214	N	5	7	10/14/21	INORG	Chromium (total)	7440-47-3	1.50E+01			1.8E+06	8.3E-06	1.2E+05	1.3E-04
SB-214	N	5	7	10/14/21	INORG	Cobalt	7440-48-4	6.20E+00			3.5E+02	1.8E-02	2.3E+01	2.7E-01
SB-214	N	5	7	10/14/21	INORG	Copper	7440-50-8	1.50E+01			4.7E+04	3.2E-04	3.1E+03	4.8E-03
SB-214	N	5	7	10/14/21	INORG	Cyanide (total)	57-12-5		U	4.20E-01	1.5E+02		2.3E+01	
SB-214	N	5	7	10/14/21	INORG	Iron	7439-89-6	2.60E+04			8.2E+05	3.2E-02	5.5E+04	4.7E-01
SB-214	N	5	7	10/14/21	INORG	Lead	7439-92-1	1.20E+01			8.0E+02	1.5E-02	2.0E+02	6.0E-02
SB-214	N	5	7	10/14/21	INORG	Manganese	7439-96-5	1.70E+02			2.6E+04	6.5E-03	1.8E+03	9.4E-02
SB-214	N	5	7	10/14/21	INORG	Mercury	7439-97-6	6.00E-02			4.1E+01	1.5E-03	7.4E+00	8.1E-03
SB-214	N	5	7	10/14/21	INORG	Nickel	7440-02-0	1.30E+01			2.2E+04	5.9E-04	1.5E+03	8.7E-03
SB-214	N	5	7	10/14/21	INORG	Selenium	7782-49-2		U	1.40E+00	5.8E+03		3.9E+02	
SB-214	N	5	7	10/14/21	INORG	Silver	7440-22-4		U	1.80E-01	5.8E+03		3.9E+02	
SB-214	N	5	7	10/14/21	INORG	Thallium	7440-28-0		U	9.50E-01	1.2E+01		7.8E-01	
SB-214	N	5	7	10/14/21	INORG	Vanadium	7440-62-2	2.70E+01			5.8E+03	4.7E-03	3.9E+02	6.9E-02
SB-214	N	5	7	10/14/21	INORG	Zinc	7440-66-6	3.60E+01			3.5E+05	1.0E-04	2.3E+04	1.6E-03
SB-214	N	14	16	10/14/21	VOC	Acetone	67-64-1		U	2.70E-02	1.1E+06		7.0E+04	
SB-214	N	14	16	10/14/21	VOC	Acrylonitrile	107-13-1		U	8.30E-04	1.1E+01		2.5E+00	
SB-214	N	14	16	10/14/21	VOC	Benzene	71-43-2		U	4.00E-04	5.1E+01		1.2E+01	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-214	N	14	16	10/14/21	VOC	Bromobenzene	108-86-1		U	2.90E-04	1.8E+03		2.9E+02	
SB-214	N	14	16	10/14/21	VOC	Bromochloromethane	74-97-5		U	8.10E-04	6.3E+02		1.5E+02	
SB-214	N	14	16	10/14/21	VOC	Bromodichloromethane	75-27-4		U	4.10E-04	1.3E+01		2.9E+00	
SB-214	N	14	16	10/14/21	VOC	Bromoform	75-25-2		U	5.20E-04	8.6E+02		1.9E+02	
SB-214	N	14	16	10/14/21	VOC	Bromomethane	74-83-9		U	3.10E-03	3.0E+01		6.8E+00	
SB-214	N	14	16	10/14/21	VOC	2-Butanone	78-93-3		U	1.00E-02	1.9E+05		2.7E+04	
SB-214	N	14	16	10/14/21	VOC	n-Butylbenzene	104-51-8		U	4.40E-04	5.8E+04		3.9E+03	
SB-214	N	14	16	10/14/21	VOC	sec-Butylbenzene	135-98-8		U	8.30E-04	1.2E+05		7.8E+03	
SB-214	N	14	16	10/14/21	VOC	tert-Butylbenzene	98-06-6		U	7.20E-04	1.2E+05		7.8E+03	
SB-214	N	14	16	10/14/21	VOC	Carbon Disulfide	75-15-0		U	6.10E-03	3.5E+03		7.7E+02	
SB-214	N	14	16	10/14/21	VOC	Carbon Tetrachloride	56-23-5		U	6.60E-04	2.9E+01		6.5E+00	
SB-214	N	14	16	10/14/21	VOC	Chlorobenzene	108-90-7		U	4.60E-04	1.3E+03		2.8E+02	
SB-214	N	14	16	10/14/21	VOC	Chloroethane	75-00-3		U	3.00E-03	2.3E+04		5.4E+03	
SB-214	N	14	16	10/14/21	VOC	Chloroform	67-66-3		U	8.50E-04	1.4E+01		3.2E+00	
SB-214	N	14	16	10/14/21	VOC	Chloromethane	74-87-3		U	2.80E-03	4.6E+02		1.1E+02	
SB-214	N	14	16	10/14/21	VOC	2-Chlorotoluene	95-49-8		U	3.90E-04	2.3E+04		1.6E+03	
SB-214	N	14	16	10/14/21	VOC	4-Chlorotoluene	106-43-4		U	3.00E-04	2.3E+04		1.6E+03	
SB-214	N	14	16	10/14/21	VOC	Cumene	98-82-8		U	6.10E-04	9.9E+03		1.9E+03	
SB-214	N	14	16	10/14/21	VOC	p-Cymene	99-87-6		U	3.90E-04				
SB-214	N	14	16	10/14/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8		U	5.70E-04	6.4E-01		5.3E-02	
SB-214	N	14	16	10/14/21	VOC	Dibromochloromethane	124-48-1		U	4.40E-04	3.9E+02		8.3E+01	
SB-214	N	14	16	10/14/21	VOC	1,2-Dibromoethane	106-93-4		U	5.30E-04	1.6E+00		3.6E-01	
SB-214	N	14	16	10/14/21	VOC	Dibromomethane	74-95-3		U	6.20E-04	9.9E+01		2.4E+01	
SB-214	N	14	16	10/14/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6		U	4.80E-04	3.2E-01		7.4E-02	
SB-214	N	14	16	10/14/21	VOC	1,2-Dichlorobenzene	95-50-1		U	3.40E-04	9.3E+03		1.8E+03	
SB-214	N	14	16	10/14/21	VOC	1,3-Dichlorobenzene	541-73-1		U	3.60E-04	1.1E+02		2.6E+01	
SB-214	N	14	16	10/14/21	VOC	1,4-Dichlorobenzene	106-46-7		U	4.40E-04	1.1E+02		2.6E+01	
SB-214	N	14	16	10/14/21	VOC	Dichlorodifluoromethane	75-71-8		U	9.90E-04	3.7E+02		8.7E+01	
SB-214	N	14	16	10/14/21	VOC	1,1-Dichloroethane	75-34-3		U	4.30E-04	1.6E+02		3.6E+01	
SB-214	N	14	16	10/14/21	VOC	1,2-Dichloroethane	107-06-2		U	5.20E-04	2.0E+01		4.6E+00	
SB-214	N	14	16	10/14/21	VOC	1,1-Dichloroethene	75-35-4		U	1.10E-03	1.0E+03		2.3E+02	
SB-214	N	14	16	10/14/21	VOC	cis-1,2-Dichloroethene	156-59-2		U	4.50E-04	3.7E+02		6.3E+01	
SB-214	N	14	16	10/14/21	VOC	trans-1,2-Dichloroethene	156-60-5		U	4.80E-04	3.0E+02		7.0E+01	
SB-214	N	14	16	10/14/21	VOC	1,2-Dichloropropane	78-87-5		U	4.00E-04	6.6E+01		1.6E+01	
SB-214	N	14	16	10/14/21	VOC	1,3-Dichloropropane	142-28-9		U	4.10E-04	2.3E+04		1.6E+03	
SB-214	N	14	16	10/14/21	VOC	2,2-Dichloropropane	594-20-7		U	6.60E-04				
SB-214	N	14	16	10/14/21	VOC	1,1-Dichloropropene	563-58-6		U	6.70E-04				
SB-214	N	14	16	10/14/21	VOC	1,3-Dichloropropene (total)	542-75-6		U	4.20E-04	8.2E+01		1.8E+01	
SB-214	N	14	16	10/14/21	VOC	1,4-Dioxane	123-91-1		U	1.90E-02	2.4E+02		5.3E+01	
SB-214	N	14	16	10/14/21	VOC	Ethyl tert-butyl ether	637-92-3		U	4.40E-04	5.6E+03		1.3E+03	
SB-214	N	14	16	10/14/21	VOC	Ethyl Benzene	100-41-4		U	3.80E-04	2.5E+02		5.8E+01	
SB-214	N	14	16	10/14/21	VOC	Diethyl ether	60-29-7		U	1.90E-03	2.3E+05		1.6E+04	
SB-214	N	14	16	10/14/21	VOC	2-Hexanone	591-78-6		U	5.00E-03	1.3E+03		2.0E+02	
SB-214	N	14	16	10/14/21	VOC	Methyl Acetate	79-20-9		U	1.20E-03	1.2E+06		7.8E+04	



**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-214	N	14	16	10/14/21	VOC	Methyl tert-butyl ether	1634-04-4		U	3.20E-04	2.1E+03		4.7E+02	
SB-214	N	14	16	10/14/21	VOC	4-Methyl-2-pentanone	108-10-1		U	3.80E-03	1.4E+05		3.3E+04	
SB-214	N	14	16	10/14/21	VOC	Methylcyclohexane	108-87-2		U	6.20E-04	2.7E+04		6.5E+03	
SB-214	N	14	16	10/14/21	VOC	Methylene Chloride	75-09-2		U	4.80E-04	3.2E+03		3.5E+02	
SB-214	N	14	16	10/14/21	VOC	Diisopropyl ether	108-20-3		U	4.60E-04	9.4E+03		2.2E+03	
SB-214	N	14	16	10/14/21	VOC	n-Propylbenzene	103-65-1		U	3.30E-04	2.4E+04		3.8E+03	
SB-214	N	14	16	10/14/21	VOC	Styrene	100-42-5		U	3.60E-04	3.5E+04		6.0E+03	
SB-214	N	14	16	10/14/21	VOC	tert-Butyl alcohol	75-65-0		U	4.10E-02	6.5E+04		1.4E+04	
SB-214	N	14	16	10/14/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6		U	4.70E-04	8.8E+01		2.0E+01	
SB-214	N	14	16	10/14/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5		U	4.70E-04	2.7E+01		6.0E+00	
SB-214	N	14	16	10/14/21	VOC	Tetrachloroethene	127-18-4		U	4.70E-04	3.9E+02		8.1E+01	
SB-214	N	14	16	10/14/21	VOC	Tetrahydrofuran	109-99-9		U	2.20E-03	9.5E+04		1.8E+04	
SB-214	N	14	16	10/14/21	VOC	Toluene	108-88-3		U	4.80E-04	4.7E+04		4.9E+03	
SB-214	N	14	16	10/14/21	VOC	1,2,3-Trichlorobenzene	87-61-6		U	4.70E-04	9.3E+02		6.3E+01	
SB-214	N	14	16	10/14/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	4.10E-04	2.6E+02		5.8E+01	
SB-214	N	14	16	10/14/21	VOC	1,3,5-Trichlorobenzene	108-70-3		U	4.20E-04				
SB-214	N	14	16	10/14/21	VOC	1,1,1-Trichloroethane	71-55-6		U	5.80E-04	3.6E+04		8.1E+03	
SB-214	N	14	16	10/14/21	VOC	1,1,2-Trichloroethane	79-00-5		U	4.00E-04	6.3E+00		1.5E+00	
SB-214	N	14	16	10/14/21	VOC	Trichloroethene	79-01-6		U	4.20E-04	1.9E+01		4.1E+00	
SB-214	N	14	16	10/14/21	VOC	Trichlorofluoromethane	75-69-4		U	3.10E-03	3.5E+05		2.3E+04	
SB-214	N	14	16	10/14/21	VOC	1,2,3-Trichloropropane	96-18-4		U	8.20E-04	1.1E+00		5.1E-02	
SB-214	N	14	16	10/14/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		U	2.30E-03	2.8E+04		6.7E+03	
SB-214	N	14	16	10/14/21	VOC	1,2,4-Trimethylbenzene	95-63-6		U	5.50E-04	1.8E+03		3.0E+02	
SB-214	N	14	16	10/14/21	VOC	1,3,5-Trimethylbenzene	108-67-8		U	3.70E-04	1.5E+03		2.7E+02	
SB-214	N	14	16	10/14/21	VOC	Vinyl Chloride	75-01-4		U	2.60E-03	1.7E+01		5.9E-01	
SB-214	N	14	16	10/14/21	VOC	Xylenes (total)	1330-20-7		U	6.50E-04	2.5E+03		5.8E+02	
SB-214	N	14	16	10/14/21	SVOC	Acenaphthene	83-32-9		U	1.80E-01	4.5E+04		3.6E+03	
SB-214	N	14	16	10/14/21	SVOC	Acenaphthylene	208-96-8		U	1.80E-01	2.3E+04		1.8E+03	
SB-214	N	14	16	10/14/21	SVOC	Acetophenone	98-86-2		U	3.50E-01	1.2E+05		7.8E+03	
SB-214	N	14	16	10/14/21	SVOC	t-Amyl methyl ether	994-05-8		U	3.90E-04				
SB-214	N	14	16	10/14/21	SVOC	Aniline	62-53-3		U	3.50E-01	4.0E+03		4.4E+02	
SB-214	N	14	16	10/14/21	SVOC	Anthracene	120-12-7		U	1.80E-01	2.3E+05		1.8E+04	
SB-214	N	14	16	10/14/21	SVOC	Benzidine	92-87-5		U	6.80E-01	1.0E-01		5.3E-03	
SB-214	N	14	16	10/14/21	SVOC	Benzo(a)anthracene	56-55-3		U	1.80E-01	2.1E+02		1.1E+01	
SB-214	N	14	16	10/14/21	SVOC	Benzo(a)pyrene	50-32-8		U	1.80E-01	2.1E+01		1.1E+00	
SB-214	N	14	16	10/14/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	1.80E-01	2.1E+02		1.1E+01	
SB-214	N	14	16	10/14/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	1.80E-01	2.3E+04		1.8E+03	
SB-214	N	14	16	10/14/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	1.80E-01	2.1E+03		1.1E+02	
SB-214	N	14	16	10/14/21	SVOC	Benzoic Acid	65-85-0		U	1.00E+00	3.3E+06		2.5E+05	
SB-214	N	14	16	10/14/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	3.50E-01	2.5E+03		1.9E+02	
SB-214	N	14	16	10/14/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	3.50E-01	1.0E+01		2.3E+00	
SB-214	N	14	16	10/14/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	3.50E-01	1.6E+03		3.9E+02	
SB-214	N	14	16	10/14/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	3.50E-01				
SB-214	N	14	16	10/14/21	SVOC	Butylbenzylphthalate	85-68-7		U	3.50E-01	1.2E+04		2.9E+03	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-214	N	14	16	10/14/21	SVOC	Carbazole	86-74-8		U	1.80E-01	3.0E+04		2.4E+03	
SB-214	N	14	16	10/14/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	6.80E-01	8.2E+04		6.3E+03	
SB-214	N	14	16	10/14/21	SVOC	4-Chloroaniline	106-47-8		U	6.80E-01	1.1E+02		2.7E+01	
SB-214	N	14	16	10/14/21	SVOC	2-Chloronaphthalene	91-58-7		U	3.50E-01	6.0E+04		4.8E+03	
SB-214	N	14	16	10/14/21	SVOC	2-Chlorophenol	95-57-8		U	3.50E-01	5.8E+03		3.9E+02	
SB-214	N	14	16	10/14/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	3.50E-01				
SB-214	N	14	16	10/14/21	SVOC	Chrysene	218-01-9		U	1.80E-01	2.1E+04		1.1E+03	
SB-214	N	14	16	10/14/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	1.80E-01	2.1E+01		1.1E+00	
SB-214	N	14	16	10/14/21	SVOC	Dibenzofuran	132-64-9		U	3.50E-01	1.2E+03		7.8E+01	
SB-214	N	14	16	10/14/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	1.80E-01	5.1E+01		1.2E+01	
SB-214	N	14	16	10/14/21	SVOC	2,4-Dichlorophenol	120-83-2		U	3.50E-01	2.5E+03		1.9E+02	
SB-214	N	14	16	10/14/21	SVOC	Diethylphthalate	84-66-2		U	3.50E-01	6.6E+05		5.1E+04	
SB-214	N	14	16	10/14/21	SVOC	2,4-Dimethylphenol	105-67-9		U	3.50E-01	1.6E+04		1.3E+03	
SB-214	N	14	16	10/14/21	SVOC	Dimethylphthalate	131-11-3		U	3.50E-01	6.6E+05		5.1E+04	
SB-214	N	14	16	10/14/21	SVOC	Di-n-butylphthalate	84-74-2		U	3.50E-01	8.2E+04		6.3E+03	
SB-214	N	14	16	10/14/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	3.50E-01	6.6E+01		5.1E+00	
SB-214	N	14	16	10/14/21	SVOC	2,4-Dinitrophenol	51-28-5		U	6.80E-01	1.6E+03		1.3E+02	
SB-214	N	14	16	10/14/21	SVOC	Di-n-octylphthalate	117-84-0		U	3.50E-01	8.2E+03		6.3E+02	
SB-214	N	14	16	10/14/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	3.50E-01	2.9E+01		6.8E+00	
SB-214	N	14	16	10/14/21	SVOC	Fluoranthene	206-44-0		U	1.80E-01	3.0E+04		2.4E+03	
SB-214	N	14	16	10/14/21	SVOC	Fluorene	86-73-7		U	1.80E-01	3.0E+04		2.4E+03	
SB-214	N	14	16	10/14/21	SVOC	Hexachlorobenzene	118-74-1		U	3.50E-01	9.6E+00		7.8E-01	
SB-214	N	14	16	10/14/21	SVOC	Hexachlorobutadiene	87-68-3		U	6.10E-04	5.3E+01		1.2E+01	
SB-214	N	14	16	10/14/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	3.50E-01	7.5E+00		1.8E+00	
SB-214	N	14	16	10/14/21	SVOC	Hexachloroethane	67-72-1		U	3.50E-01	8.0E+01		1.8E+01	
SB-214	N	14	16	10/14/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	1.80E-01	2.1E+02		1.1E+01	
SB-214	N	14	16	10/14/21	SVOC	Isophorone	78-59-1		U	3.50E-01	2.4E+04		5.7E+03	
SB-214	N	14	16	10/14/21	SVOC	1-Methylnaphthalene	90-12-0		U	1.80E-01	7.3E+02		1.8E+02	
SB-214	N	14	16	10/14/21	SVOC	2-Methylnaphthalene	91-57-6		U	1.80E-01	3.0E+03		2.4E+02	
SB-214	N	14	16	10/14/21	SVOC	2-Methylphenol	95-48-7		U	3.50E-01	4.1E+04		3.2E+03	
SB-214	N	14	16	10/14/21	SVOC	3&4-Methylphenol	65794-96-9		U	3.50E-01				
SB-214	N	14	16	10/14/21	SVOC	Naphthalene	91-20-3		U	4.40E-04	8.6E+01		2.0E+01	
SB-214	N	14	16	10/14/21	SVOC	2-Nitroaniline	88-74-4		U	3.50E-01	8.0E+03		6.3E+02	
SB-214	N	14	16	10/14/21	SVOC	3-Nitroaniline	99-09-2		U	3.50E-01	1.1E+03		2.5E+02	
SB-214	N	14	16	10/14/21	SVOC	4-Nitroaniline	100-01-6		U	3.50E-01	1.1E+03		2.5E+02	
SB-214	N	14	16	10/14/21	SVOC	2-Nitrophenol	88-75-5		U	3.50E-01				
SB-214	N	14	16	10/14/21	SVOC	4-Nitrophenol	100-02-7		U	6.80E-01				
SB-214	N	14	16	10/14/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	3.50E-01	3.4E-01		2.0E-02	
SB-214	N	14	16	10/14/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	3.50E-01	4.7E+03		1.1E+03	
SB-214	N	14	16	10/14/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	3.50E-01	3.3E+00		7.8E-01	
SB-214	N	14	16	10/14/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	3.50E-01	4.7E+04		3.1E+03	
SB-214	N	14	16	10/14/21	SVOC	Pentachloronitrobenzene	82-68-8		U	3.50E-01	1.3E+02		2.7E+01	
SB-214	N	14	16	10/14/21	SVOC	Pentachlorophenol	87-86-5		U	3.50E-01	4.0E+01		1.0E+01	
SB-214	N	14	16	10/14/21	SVOC	Phenanthrene	85-01-8		U	1.80E-01	2.3E+04		1.8E+03	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-214	N	14	16	10/14/21	SVOC	Phenol	108-95-2		U	3.50E-01	2.5E+05		1.9E+04	
SB-214	N	14	16	10/14/21	SVOC	Pyrene	129-00-0		U	1.80E-01	2.3E+04		1.8E+03	
SB-214	N	14	16	10/14/21	SVOC	Pyridine	110-86-1		U	3.50E-01	1.2E+03		7.8E+01	
SB-214	N	14	16	10/14/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	3.50E-01	3.5E+01		2.3E+00	
SB-214	N	14	16	10/14/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	3.50E-01	8.2E+04		6.3E+03	
SB-214	N	14	16	10/14/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	3.50E-01	8.2E+02		6.3E+01	
SB-214	N	14	16	10/14/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	3.50E-01	7.4E+01		1.7E+01	
SB-214	N	14	16	10/14/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	3.50E-01	1.5E+01		3.6E+00	
SB-214	N	14	16	10/14/21	NITRO	Nitrobenzene	98-95-3		U	3.50E-01	2.2E+02		5.1E+01	
SB-214	N	14	16	10/14/21	INORG	Aluminum	7429-90-5	2.20E+03			1.1E+06	2.0E-03	7.7E+04	2.9E-02
SB-214	N	14	16	10/14/21	INORG	Antimony	7440-36-0		U	7.00E-01	4.7E+02		3.1E+01	
SB-214	N	14	16	10/14/21	INORG	Arsenic	7440-38-2	2.40E+00			3.0E+01	8.0E-02	6.8E+00	3.5E-01
SB-214	N	14	16	10/14/21	INORG	Barium	7440-39-3	1.10E+01			2.2E+05	5.0E-05	1.5E+04	7.3E-04
SB-214	N	14	16	10/14/21	INORG	Beryllium	7440-41-7	1.40E-01			2.3E+03	6.1E-05	1.6E+02	8.8E-04
SB-214	N	14	16	10/14/21	INORG	Cadmium	7440-43-9		U	1.80E-01	1.0E+02		7.1E+00	
SB-214	N	14	16	10/14/21	INORG	Chromium (total)	7440-47-3	3.30E+00			1.8E+06	1.8E-06	1.2E+05	2.8E-05
SB-214	N	14	16	10/14/21	INORG	Cobalt	7440-48-4	2.90E+00			3.5E+02	8.3E-03	2.3E+01	1.3E-01
SB-214	N	14	16	10/14/21	INORG	Copper	7440-50-8	2.90E+00			4.7E+04	6.2E-05	3.1E+03	9.4E-04
SB-214	N	14	16	10/14/21	INORG	Cyanide (total)	57-12-5		U	3.40E-01	1.5E+02		2.3E+01	
SB-214	N	14	16	10/14/21	INORG	Iron	7439-89-6	1.20E+04			8.2E+05	1.5E-02	5.5E+04	2.2E-01
SB-214	N	14	16	10/14/21	INORG	Lead	7439-92-1	1.90E+00			8.0E+02	2.4E-03	2.0E+02	9.5E-03
SB-214	N	14	16	10/14/21	INORG	Manganese	7439-96-5	5.60E+01			2.6E+04	2.2E-03	1.8E+03	3.1E-02
SB-214	N	14	16	10/14/21	INORG	Mercury	7439-97-6		U	1.00E-02	4.1E+01		7.4E+00	
SB-214	N	14	16	10/14/21	INORG	Nickel	7440-02-0	3.20E+00			2.2E+04	1.5E-04	1.5E+03	2.1E-03
SB-214	N	14	16	10/14/21	INORG	Selenium	7782-49-2		U	1.20E+00	5.8E+03		3.9E+02	
SB-214	N	14	16	10/14/21	INORG	Silver	7440-22-4		U	1.60E-01	5.8E+03		3.9E+02	
SB-214	N	14	16	10/14/21	INORG	Thallium	7440-28-0		U	8.30E-01	1.2E+01		7.8E-01	
SB-214	N	14	16	10/14/21	INORG	Vanadium	7440-62-2	5.20E+00			5.8E+03	9.0E-04	3.9E+02	1.3E-02
SB-214	N	14	16	10/14/21	INORG	Zinc	7440-66-6	7.70E+00			3.5E+05	2.2E-05	2.3E+04	3.3E-04
SB-215	N	2	2	10/18/21	VOC	Acetone	67-64-1		U	1.10E-01	1.1E+06		7.0E+04	
SB-215	N	2	2	10/18/21	VOC	Acrylonitrile	107-13-1		U	6.50E-03	1.1E+01		2.5E+00	
SB-215	N	2	2	10/18/21	VOC	Benzene	71-43-2		U	2.20E-03	5.1E+01		1.2E+01	
SB-215	N	2	2	10/18/21	VOC	Bromobenzene	108-86-1		U	2.20E-03	1.8E+03		2.9E+02	
SB-215	N	2	2	10/18/21	VOC	Bromochloromethane	74-97-5		U	2.20E-03	6.3E+02		1.5E+02	
SB-215	N	2	2	10/18/21	VOC	Bromodichloromethane	75-27-4		U	2.20E-03	1.3E+01		2.9E+00	
SB-215	N	2	2	10/18/21	VOC	Bromoform	75-25-2		U	2.20E-03	8.6E+02		1.9E+02	
SB-215	N	2	2	10/18/21	VOC	Bromomethane	74-83-9		U	1.10E-02	3.0E+01		6.8E+00	
SB-215	N	2	2	10/18/21	VOC	2-Butanone	78-93-3		U	4.40E-02	1.9E+05		2.7E+04	
SB-215	N	2	2	10/18/21	VOC	n-Butylbenzene	104-51-8		U	2.20E-03	5.8E+04		3.9E+03	
SB-215	N	2	2	10/18/21	VOC	sec-Butylbenzene	135-98-8		U	2.20E-03	1.2E+05		7.8E+03	
SB-215	N	2	2	10/18/21	VOC	tert-Butylbenzene	98-06-6		U	2.20E-03	1.2E+05		7.8E+03	
SB-215	N	2	2	10/18/21	VOC	Carbon Disulfide	75-15-0		U	1.10E-02	3.5E+03		7.7E+02	
SB-215	N	2	2	10/18/21	VOC	Carbon Tetrachloride	56-23-5		U	2.20E-03	2.9E+01		6.5E+00	
SB-215	N	2	2	10/18/21	VOC	Chlorobenzene	108-90-7		U	2.20E-03	1.3E+03		2.8E+02	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-215	N		2	10/18/21	VOC	Chloroethane	75-00-3		U	2.20E-02	2.3E+04		5.4E+03	
SB-215	N		2	10/18/21	VOC	Chloroform	67-66-3		U	4.40E-03	1.4E+01		3.2E+00	
SB-215	N		2	10/18/21	VOC	Chloromethane	74-87-3		U	1.10E-02	4.6E+02		1.1E+02	
SB-215	N		2	10/18/21	VOC	2-Chlorotoluene	95-49-8		U	2.20E-03	2.3E+04		1.6E+03	
SB-215	N		2	10/18/21	VOC	4-Chlorotoluene	106-43-4		U	2.20E-03	2.3E+04		1.6E+03	
SB-215	N		2	10/18/21	VOC	Cumene	98-82-8		U	2.20E-03	9.9E+03		1.9E+03	
SB-215	N		2	10/18/21	VOC	p-Cymene	99-87-6		U	2.20E-03				
SB-215	N		2	10/18/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8		U	2.20E-03	6.4E-01		5.3E-02	
SB-215	N		2	10/18/21	VOC	Dibromochloromethane	124-48-1		U	1.10E-03	3.9E+02		8.3E+01	
SB-215	N		2	10/18/21	VOC	1,2-Dibromoethane	106-93-4		U	1.10E-03	1.6E+00		3.6E-01	
SB-215	N		2	10/18/21	VOC	Dibromomethane	74-95-3		U	2.20E-03	9.9E+01		2.4E+01	
SB-215	N		2	10/18/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6		U	4.40E-03	3.2E-01		7.4E-02	
SB-215	N		2	10/18/21	VOC	1,2-Dichlorobenzene	95-50-1		U	2.20E-03	9.3E+03		1.8E+03	
SB-215	N		2	10/18/21	VOC	1,3-Dichlorobenzene	541-73-1		U	2.20E-03	1.1E+02		2.6E+01	
SB-215	N		2	10/18/21	VOC	1,4-Dichlorobenzene	106-46-7		U	2.20E-03	1.1E+02		2.6E+01	
SB-215	N		2	10/18/21	VOC	Dichlorodifluoromethane	75-71-8		U	2.20E-02	3.7E+02		8.7E+01	
SB-215	N		2	10/18/21	VOC	1,1-Dichloroethane	75-34-3		U	2.20E-03	1.6E+02		3.6E+01	
SB-215	N		2	10/18/21	VOC	1,2-Dichloroethane	107-06-2		U	2.20E-03	2.0E+01		4.6E+00	
SB-215	N		2	10/18/21	VOC	1,1-Dichloroethene	75-35-4		U	4.40E-03	1.0E+03		2.3E+02	
SB-215	N		2	10/18/21	VOC	cis-1,2-Dichloroethene	156-59-2		U	2.20E-03	3.7E+02		6.3E+01	
SB-215	N		2	10/18/21	VOC	trans-1,2-Dichloroethene	156-60-5		U	2.20E-03	3.0E+02		7.0E+01	
SB-215	N		2	10/18/21	VOC	1,2-Dichloropropane	78-87-5		U	2.20E-03	6.6E+01		1.6E+01	
SB-215	N		2	10/18/21	VOC	1,3-Dichloropropane	142-28-9		U	1.10E-03	2.3E+04		1.6E+03	
SB-215	N		2	10/18/21	VOC	2,2-Dichloropropane	594-20-7		U	2.20E-03				
SB-215	N		2	10/18/21	VOC	1,1-Dichloropropene	563-58-6		U	2.20E-03				
SB-215	N		2	10/18/21	VOC	1,3-Dichloropropene (total)	542-75-6		U	1.10E-03	8.2E+01		1.8E+01	
SB-215	N		2	10/18/21	VOC	1,4-Dioxane	123-91-1		U	1.10E-01	2.4E+02		5.3E+01	
SB-215	N		2	10/18/21	VOC	Ethyl tert-butyl ether	637-92-3		U	1.10E-03	5.6E+03		1.3E+03	
SB-215	N		2	10/18/21	VOC	Ethyl Benzene	100-41-4		U	2.20E-03	2.5E+02		5.8E+01	
SB-215	N		2	10/18/21	VOC	Diethyl ether	60-29-7		U	2.20E-02	2.3E+05		1.6E+04	
SB-215	N		2	10/18/21	VOC	2-Hexanone	591-78-6		U	2.20E-02	1.3E+03		2.0E+02	
SB-215	N		2	10/18/21	VOC	Methyl Acetate	79-20-9		U	2.20E-03	1.2E+06		7.8E+04	
SB-215	N		2	10/18/21	VOC	Methyl tert-butyl ether	1634-04-4		U	4.40E-03	2.1E+03		4.7E+02	
SB-215	N		2	10/18/21	VOC	4-Methyl-2-pentanone	108-10-1		U	2.20E-02	1.4E+05		3.3E+04	
SB-215	N		2	10/18/21	VOC	Methylcyclohexane	108-87-2		U	2.20E-03	2.7E+04		6.5E+03	
SB-215	N		2	10/18/21	VOC	Methylene Chloride	75-09-2		U	2.20E-02	3.2E+03		3.5E+02	
SB-215	N		2	10/18/21	VOC	Diisopropyl ether	108-20-3		U	1.10E-03	9.4E+03		2.2E+03	
SB-215	N		2	10/18/21	VOC	n-Propylbenzene	103-65-1		U	2.20E-03	2.4E+04		3.8E+03	
SB-215	N		2	10/18/21	VOC	Styrene	100-42-5		U	2.20E-03	3.5E+04		6.0E+03	
SB-215	N		2	10/18/21	VOC	tert-Butyl alcohol	75-65-0		U	1.10E-01	6.5E+04		1.4E+04	
SB-215	N		2	10/18/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6		U	2.20E-03	8.8E+01		2.0E+01	
SB-215	N		2	10/18/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5		U	1.10E-03	2.7E+01		6.0E+00	
SB-215	N		2	10/18/21	VOC	Tetrachloroethene	127-18-4		U	2.20E-03	3.9E+02		8.1E+01	
SB-215	N		2	10/18/21	VOC	Tetrahydrofuran	109-99-9		U	1.10E-02	9.5E+04		1.8E+04	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-215	N		2	10/18/21	VOC	Toluene	108-88-3		U	2.20E-03	4.7E+04		4.9E+03	
SB-215	N		2	10/18/21	VOC	1,2,3-Trichlorobenzene	87-61-6		U	2.20E-03	9.3E+02		6.3E+01	
SB-215	N		2	10/18/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	2.20E-03	2.6E+02		5.8E+01	
SB-215	N		2	10/18/21	VOC	1,3,5-Trichlorobenzene	108-70-3		U	2.20E-03				
SB-215	N		2	10/18/21	VOC	1,1,1-Trichloroethane	71-55-6		U	2.20E-03	3.6E+04		8.1E+03	
SB-215	N		2	10/18/21	VOC	1,1,2-Trichloroethane	79-00-5		U	2.20E-03	6.3E+00		1.5E+00	
SB-215	N		2	10/18/21	VOC	Trichloroethene	79-01-6		U	2.20E-03	1.9E+01		4.1E+00	
SB-215	N		2	10/18/21	VOC	Trichlorofluoromethane	75-69-4		U	1.10E-02	3.5E+05		2.3E+04	
SB-215	N		2	10/18/21	VOC	1,2,3-Trichloropropane	96-18-4		U	2.20E-03	1.1E+00		5.1E-02	
SB-215	N		2	10/18/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		U	1.10E-02	2.8E+04		6.7E+03	
SB-215	N		2	10/18/21	VOC	1,2,4-Trimethylbenzene	95-63-6		U	2.20E-03	1.8E+03		3.0E+02	
SB-215	N		2	10/18/21	VOC	1,3,5-Trimethylbenzene	108-67-8		U	2.20E-03	1.5E+03		2.7E+02	
SB-215	N		2	10/18/21	VOC	Vinyl Chloride	75-01-4		U	1.10E-02	1.7E+01		5.9E-01	
SB-215	N		2	10/18/21	VOC	Xylenes (total)	1330-20-7		U	4.40E-03	2.5E+03		5.8E+02	
SB-215	N		2	10/18/21	SVOC	Acenaphthene	83-32-9		U	1.80E-01	4.5E+04		3.6E+03	
SB-215	N		2	10/18/21	SVOC	Acenaphthylene	208-96-8		U	1.80E-01	2.3E+04		1.8E+03	
SB-215	N		2	10/18/21	SVOC	Acetophenone	98-86-2		U	3.60E-01	1.2E+05		7.8E+03	
SB-215	N		2	10/18/21	SVOC	t-Amyl methyl ether	994-05-8		U	1.10E-03				
SB-215	N		2	10/18/21	SVOC	Aniline	62-53-3		U	3.60E-01	4.0E+03		4.4E+02	
SB-215	N		2	10/18/21	SVOC	Anthracene	120-12-7		U	1.80E-01	2.3E+05		1.8E+04	
SB-215	N		2	10/18/21	SVOC	Benzidine	92-87-5		U	6.90E-01	1.0E-01		5.3E-03	
SB-215	N		2	10/18/21	SVOC	Benzo(a)anthracene	56-55-3	7.80E-02	J	1.80E-01	2.1E+02	3.7E-04	1.1E+01	7.1E-03
SB-215	N		2	10/18/21	SVOC	Benzo(a)pyrene	50-32-8	6.50E-02	J	1.80E-01	2.1E+01	3.1E-03	1.1E+00	5.9E-02
SB-215	N		2	10/18/21	SVOC	Benzo(b)fluoranthene	205-99-2	1.10E-01	J	1.80E-01	2.1E+02	5.2E-04	1.1E+01	1.0E-02
SB-215	N		2	10/18/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	1.80E-01	2.3E+04		1.8E+03	
SB-215	N		2	10/18/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	1.80E-01	2.1E+03		1.1E+02	
SB-215	N		2	10/18/21	SVOC	Benzoic Acid	65-85-0		U	1.10E+00	3.3E+06		2.5E+05	
SB-215	N		2	10/18/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	3.60E-01	2.5E+03		1.9E+02	
SB-215	N		2	10/18/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	3.60E-01	1.0E+01		2.3E+00	
SB-215	N		2	10/18/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	3.60E-01	1.6E+03		3.9E+02	
SB-215	N		2	10/18/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	3.60E-01				
SB-215	N		2	10/18/21	SVOC	Butylbenzylphthalate	85-68-7		U	3.60E-01	1.2E+04		2.9E+03	
SB-215	N		2	10/18/21	SVOC	Carbazole	86-74-8		U	1.80E-01	3.0E+04		2.4E+03	
SB-215	N		2	10/18/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	6.90E-01	8.2E+04		6.3E+03	
SB-215	N		2	10/18/21	SVOC	4-Chloroaniline	106-47-8		U	6.90E-01	1.1E+02		2.7E+01	
SB-215	N		2	10/18/21	SVOC	2-Chloronaphthalene	91-58-7		U	3.60E-01	6.0E+04		4.8E+03	
SB-215	N		2	10/18/21	SVOC	2-Chlorophenol	95-57-8		U	3.60E-01	5.8E+03		3.9E+02	
SB-215	N		2	10/18/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	3.60E-01				
SB-215	N		2	10/18/21	SVOC	Chrysene	218-01-9	1.20E-01	J	1.80E-01	2.1E+04	5.7E-06	1.1E+03	1.1E-04
SB-215	N		2	10/18/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	1.80E-01	2.1E+01		1.1E+00	
SB-215	N		2	10/18/21	SVOC	Dibenzofuran	132-64-9	7.70E-02	J	3.60E-01	1.2E+03	6.4E-05	7.8E+01	9.9E-04
SB-215	N		2	10/18/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	1.80E-01	5.1E+01		1.2E+01	
SB-215	N		2	10/18/21	SVOC	2,4-Dichlorophenol	120-83-2		U	3.60E-01	2.5E+03		1.9E+02	
SB-215	N		2	10/18/21	SVOC	Diethylphthalate	84-66-2		U	3.60E-01	6.6E+05		5.1E+04	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-215	N		2	10/18/21	SVOC	2,4-Dimethylphenol	105-67-9		U	3.60E-01	1.6E+04		1.3E+03	
SB-215	N		2	10/18/21	SVOC	Dimethylphthalate	131-11-3		U	3.60E-01	6.6E+05		5.1E+04	
SB-215	N		2	10/18/21	SVOC	Di-n-butylphthalate	84-74-2		U	3.60E-01	8.2E+04		6.3E+03	
SB-215	N		2	10/18/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	3.60E-01	6.6E+01		5.1E+00	
SB-215	N		2	10/18/21	SVOC	2,4-Dinitrophenol	51-28-5		U	6.90E-01	1.6E+03		1.3E+02	
SB-215	N		2	10/18/21	SVOC	Di-n-octylphthalate	117-84-0		U	3.60E-01	8.2E+03		6.3E+02	
SB-215	N		2	10/18/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	3.60E-01	2.9E+01		6.8E+00	
SB-215	N		2	10/18/21	SVOC	Fluoranthene	206-44-0	1.00E-01	J	1.80E-01	3.0E+04	3.3E-06	2.4E+03	4.2E-05
SB-215	N		2	10/18/21	SVOC	Fluorene	86-73-7		U	1.80E-01	3.0E+04		2.4E+03	
SB-215	N		2	10/18/21	SVOC	Hexachlorobenzene	118-74-1		U	3.60E-01	9.6E+00		7.8E-01	
SB-215	N		2	10/18/21	SVOC	Hexachlorobutadiene	87-68-3		U	2.20E-03	5.3E+01		1.2E+01	
SB-215	N		2	10/18/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	3.60E-01	7.5E+00		1.8E+00	
SB-215	N		2	10/18/21	SVOC	Hexachloroethane	67-72-1		U	3.60E-01	8.0E+01		1.8E+01	
SB-215	N		2	10/18/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	1.80E-01	2.1E+02		1.1E+01	
SB-215	N		2	10/18/21	SVOC	Isophorone	78-59-1		U	3.60E-01	2.4E+04		5.7E+03	
SB-215	N		2	10/18/21	SVOC	1-Methylnaphthalene	90-12-0	2.30E-01		1.80E-01	7.3E+02	3.2E-04	1.8E+02	1.3E-03
SB-215	N		2	10/18/21	SVOC	2-Methylnaphthalene	91-57-6	2.80E-01		1.80E-01	3.0E+03	9.3E-05	2.4E+02	1.2E-03
SB-215	N		2	10/18/21	SVOC	2-Methylphenol	95-48-7		U	3.60E-01	4.1E+04		3.2E+03	
SB-215	N		2	10/18/21	SVOC	3&4-Methylphenol	65794-96-9		U	3.60E-01				
SB-215	N		2	10/18/21	SVOC	Naphthalene	91-20-3	9.80E-02	J	1.80E-01	8.6E+01	1.1E-03	2.0E+01	4.9E-03
SB-215	N		2	10/18/21	SVOC	2-Nitroaniline	88-74-4		U	3.60E-01	8.0E+03		6.3E+02	
SB-215	N		2	10/18/21	SVOC	3-Nitroaniline	99-09-2		U	3.60E-01	1.1E+03		2.5E+02	
SB-215	N		2	10/18/21	SVOC	4-Nitroaniline	100-01-6		U	3.60E-01	1.1E+03		2.5E+02	
SB-215	N		2	10/18/21	SVOC	2-Nitrophenol	88-75-5		U	3.60E-01				
SB-215	N		2	10/18/21	SVOC	4-Nitrophenol	100-02-7		U	6.90E-01				
SB-215	N		2	10/18/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	3.60E-01	3.4E-01		2.0E-02	
SB-215	N		2	10/18/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	3.60E-01	4.7E+03		1.1E+03	
SB-215	N		2	10/18/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	3.60E-01	3.3E+00		7.8E-01	
SB-215	N		2	10/18/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	3.60E-01	4.7E+04		3.1E+03	
SB-215	N		2	10/18/21	SVOC	Pentachloronitrobenzene	82-68-8		U	3.60E-01	1.3E+02		2.7E+01	
SB-215	N		2	10/18/21	SVOC	Pentachlorophenol	87-86-5		U	3.60E-01	4.0E+01		1.0E+01	
SB-215	N		2	10/18/21	SVOC	Phenanthrene	85-01-8	3.00E-01		1.80E-01	2.3E+04	1.3E-05	1.8E+03	1.7E-04
SB-215	N		2	10/18/21	SVOC	Phenol	108-95-2		U	3.60E-01	2.5E+05		1.9E+04	
SB-215	N		2	10/18/21	SVOC	Pyrene	129-00-0	1.10E-01	J	1.80E-01	2.3E+04	4.8E-06	1.8E+03	6.1E-05
SB-215	N		2	10/18/21	SVOC	Pyridine	110-86-1		U	3.60E-01	1.2E+03		7.8E+01	
SB-215	N		2	10/18/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	3.60E-01	3.5E+01		2.3E+00	
SB-215	N		2	10/18/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	3.60E-01	8.2E+04		6.3E+03	
SB-215	N		2	10/18/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	3.60E-01	8.2E+02		6.3E+01	
SB-215	N		2	10/18/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	3.60E-01	7.4E+01		1.7E+01	
SB-215	N		2	10/18/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	3.60E-01	1.5E+01		3.6E+00	
SB-215	N		2	10/18/21	NITRO	Nitrobenzene	98-95-3		U	3.60E-01	2.2E+02		5.1E+01	
SB-215	N		2	10/18/21	INORG	Aluminum	7429-90-5	1.30E+04		1.70E+01	1.1E+06	1.2E-02	7.7E+04	1.7E-01
SB-215	N		2	10/18/21	INORG	Antimony	7440-36-0		U	1.70E+00	4.7E+02		3.1E+01	
SB-215	N		2	10/18/21	INORG	Arsenic	7440-38-2	3.70E+00		3.50E+00	3.0E+01	1.2E-01	6.8E+00	5.4E-01

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-215	N		2	10/18/21	INORG	Barium	7440-39-3	2.90E+01		1.70E+00	2.2E+05	1.3E-04	1.5E+04	1.9E-03
SB-215	N		2	10/18/21	INORG	Beryllium	7440-41-7	3.40E-01		1.70E-01	2.3E+03	1.5E-04	1.6E+02	2.1E-03
SB-215	N		2	10/18/21	INORG	Cadmium	7440-43-9		U	3.50E-01	1.0E+02		7.1E+00	
SB-215	N		2	10/18/21	INORG	Chromium (total)	7440-47-3	8.40E+00		6.90E-01	1.8E+06	4.7E-06	1.2E+05	7.0E-05
SB-215	N		2	10/18/21	INORG	Cobalt	7440-48-4	2.00E+01		1.70E+00	3.5E+02	5.7E-02	2.3E+01	8.7E-01
SB-215	N		2	10/18/21	INORG	Copper	7440-50-8	1.20E+02		6.90E-01	4.7E+04	2.6E-03	3.1E+03	3.9E-02
SB-215	N		2	10/18/21	INORG	Cyanide (total)	57-12-5		U	5.30E-01	1.5E+02		2.3E+01	
SB-215	N		2	10/18/21	INORG	Iron	7439-89-6	3.60E+04		1.70E+03	8.2E+05	4.4E-02	5.5E+04	6.5E-01
SB-215	N		2	10/18/21	INORG	Lead	7439-92-1	2.50E+01		5.20E-01	8.0E+02	3.1E-02	2.0E+02	1.3E-01
SB-215	N		2	10/18/21	INORG	Manganese	7439-96-5	2.70E+02		3.50E-01	2.6E+04	1.0E-02	1.8E+03	1.5E-01
SB-215	N		2	10/18/21	INORG	Mercury	7439-97-6	1.60E-02	J	3.00E-02	4.1E+01	3.9E-04	7.4E+00	2.2E-03
SB-215	N		2	10/18/21	INORG	Nickel	7440-02-0	2.20E+01		6.90E-01	2.2E+04	1.0E-03	1.5E+03	1.5E-02
SB-215	N		2	10/18/21	INORG	Selenium	7782-49-2		U	3.50E+00	5.8E+03		3.9E+02	
SB-215	N		2	10/18/21	INORG	Silver	7440-22-4		U	3.50E-01	5.8E+03		3.9E+02	
SB-215	N		2	10/18/21	INORG	Thallium	7440-28-0		U	1.70E+00	1.2E+01		7.8E-01	
SB-215	N		2	10/18/21	INORG	Vanadium	7440-62-2	8.90E+01		6.90E-01	5.8E+03	1.5E-02	3.9E+02	2.3E-01
SB-215	N		2	10/18/21	INORG	Zinc	7440-66-6	6.20E+01		6.90E-01	3.5E+05	1.8E-04	2.3E+04	2.7E-03
SB-215	N	5	7	10/18/21	VOC	Acetone	67-64-1		U	9.10E-02	1.1E+06		7.0E+04	
SB-215	N	5	7	10/18/21	VOC	Acrylonitrile	107-13-1		U	5.40E-03	1.1E+01		2.5E+00	
SB-215	N	5	7	10/18/21	VOC	Benzene	71-43-2		U	1.80E-03	5.1E+01		1.2E+01	
SB-215	N	5	7	10/18/21	VOC	Bromobenzene	108-86-1		U	1.80E-03	1.8E+03		2.9E+02	
SB-215	N	5	7	10/18/21	VOC	Bromochloromethane	74-97-5		U	1.80E-03	6.3E+02		1.5E+02	
SB-215	N	5	7	10/18/21	VOC	Bromodichloromethane	75-27-4		U	1.80E-03	1.3E+01		2.9E+00	
SB-215	N	5	7	10/18/21	VOC	Bromoform	75-25-2		U	1.80E-03	8.6E+02		1.9E+02	
SB-215	N	5	7	10/18/21	VOC	Bromomethane	74-83-9		U	9.10E-03	3.0E+01		6.8E+00	
SB-215	N	5	7	10/18/21	VOC	2-Butanone	78-93-3		U	3.60E-02	1.9E+05		2.7E+04	
SB-215	N	5	7	10/18/21	VOC	n-Butylbenzene	104-51-8		U	1.80E-03	5.8E+04		3.9E+03	
SB-215	N	5	7	10/18/21	VOC	sec-Butylbenzene	135-98-8		U	1.80E-03	1.2E+05		7.8E+03	
SB-215	N	5	7	10/18/21	VOC	tert-Butylbenzene	98-06-6		U	1.80E-03	1.2E+05		7.8E+03	
SB-215	N	5	7	10/18/21	VOC	Carbon Disulfide	75-15-0		U	9.10E-03	3.5E+03		7.7E+02	
SB-215	N	5	7	10/18/21	VOC	Carbon Tetrachloride	56-23-5		U	1.80E-03	2.9E+01		6.5E+00	
SB-215	N	5	7	10/18/21	VOC	Chlorobenzene	108-90-7		U	1.80E-03	1.3E+03		2.8E+02	
SB-215	N	5	7	10/18/21	VOC	Chloroethane	75-00-3		U	1.80E-02	2.3E+04		5.4E+03	
SB-215	N	5	7	10/18/21	VOC	Chloroform	67-66-3		U	3.60E-03	1.4E+01		3.2E+00	
SB-215	N	5	7	10/18/21	VOC	Chloromethane	74-87-3		U	9.10E-03	4.6E+02		1.1E+02	
SB-215	N	5	7	10/18/21	VOC	2-Chlorotoluene	95-49-8		U	1.80E-03	2.3E+04		1.6E+03	
SB-215	N	5	7	10/18/21	VOC	4-Chlorotoluene	106-43-4		U	1.80E-03	2.3E+04		1.6E+03	
SB-215	N	5	7	10/18/21	VOC	Cumene	98-82-8		U	1.80E-03	9.9E+03		1.9E+03	
SB-215	N	5	7	10/18/21	VOC	p-Cymene	99-87-6		U	1.80E-03				
SB-215	N	5	7	10/18/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8		U	1.80E-03	6.4E-01		5.3E-02	
SB-215	N	5	7	10/18/21	VOC	Dibromochloromethane	124-48-1		U	9.10E-04	3.9E+02		8.3E+01	
SB-215	N	5	7	10/18/21	VOC	1,2-Dibromoethane	106-93-4		U	9.10E-04	1.6E+00		3.6E-01	
SB-215	N	5	7	10/18/21	VOC	Dibromomethane	74-95-3		U	1.80E-03	9.9E+01		2.4E+01	
SB-215	N	5	7	10/18/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6		U	3.60E-03	3.2E-01		7.4E-02	



**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-215	N	5	7	10/18/21	VOC	1,2-Dichlorobenzene	95-50-1		U	1.80E-03	9.3E+03		1.8E+03	
SB-215	N	5	7	10/18/21	VOC	1,3-Dichlorobenzene	541-73-1		U	1.80E-03	1.1E+02		2.6E+01	
SB-215	N	5	7	10/18/21	VOC	1,4-Dichlorobenzene	106-46-7		U	1.80E-03	1.1E+02		2.6E+01	
SB-215	N	5	7	10/18/21	VOC	Dichlorodifluoromethane	75-71-8		U	1.80E-02	3.7E+02		8.7E+01	
SB-215	N	5	7	10/18/21	VOC	1,1-Dichloroethane	75-34-3		U	1.80E-03	1.6E+02		3.6E+01	
SB-215	N	5	7	10/18/21	VOC	1,2-Dichloroethane	107-06-2		U	1.80E-03	2.0E+01		4.6E+00	
SB-215	N	5	7	10/18/21	VOC	1,1-Dichloroethene	75-35-4		U	3.60E-03	1.0E+03		2.3E+02	
SB-215	N	5	7	10/18/21	VOC	cis-1,2-Dichloroethene	156-59-2		U	1.80E-03	3.7E+02		6.3E+01	
SB-215	N	5	7	10/18/21	VOC	trans-1,2-Dichloroethene	156-60-5		U	1.80E-03	3.0E+02		7.0E+01	
SB-215	N	5	7	10/18/21	VOC	1,2-Dichloropropane	78-87-5		U	1.80E-03	6.6E+01		1.6E+01	
SB-215	N	5	7	10/18/21	VOC	1,3-Dichloropropane	142-28-9		U	9.10E-04	2.3E+04		1.6E+03	
SB-215	N	5	7	10/18/21	VOC	2,2-Dichloropropane	594-20-7		U	1.80E-03				
SB-215	N	5	7	10/18/21	VOC	1,1-Dichloropropene	563-58-6		U	1.80E-03				
SB-215	N	5	7	10/18/21	VOC	1,3-Dichloropropene (total)	542-75-6		U	9.10E-04	8.2E+01		1.8E+01	
SB-215	N	5	7	10/18/21	VOC	1,4-Dioxane	123-91-1		U	9.10E-02	2.4E+02		5.3E+01	
SB-215	N	5	7	10/18/21	VOC	Ethyl tert-butyl ether	637-92-3		U	9.10E-04	5.6E+03		1.3E+03	
SB-215	N	5	7	10/18/21	VOC	Ethyl Benzene	100-41-4		U	1.80E-03	2.5E+02		5.8E+01	
SB-215	N	5	7	10/18/21	VOC	Diethyl ether	60-29-7		U	1.80E-02	2.3E+05		1.6E+04	
SB-215	N	5	7	10/18/21	VOC	2-Hexanone	591-78-6		U	1.80E-02	1.3E+03		2.0E+02	
SB-215	N	5	7	10/18/21	VOC	Methyl Acetate	79-20-9		U	1.80E-03	1.2E+06		7.8E+04	
SB-215	N	5	7	10/18/21	VOC	Methyl tert-butyl ether	1634-04-4		U	3.60E-03	2.1E+03		4.7E+02	
SB-215	N	5	7	10/18/21	VOC	4-Methyl-2-pentanone	108-10-1		U	1.80E-02	1.4E+05		3.3E+04	
SB-215	N	5	7	10/18/21	VOC	Methylcyclohexane	108-87-2		U	1.80E-03	2.7E+04		6.5E+03	
SB-215	N	5	7	10/18/21	VOC	Methylene Chloride	75-09-2		U	1.80E-02	3.2E+03		3.5E+02	
SB-215	N	5	7	10/18/21	VOC	Diisopropyl ether	108-20-3		U	9.10E-04	9.4E+03		2.2E+03	
SB-215	N	5	7	10/18/21	VOC	n-Propylbenzene	103-65-1		U	1.80E-03	2.4E+04		3.8E+03	
SB-215	N	5	7	10/18/21	VOC	Styrene	100-42-5		U	1.80E-03	3.5E+04		6.0E+03	
SB-215	N	5	7	10/18/21	VOC	tert-Butyl alcohol	75-65-0		U	9.10E-02	6.5E+04		1.4E+04	
SB-215	N	5	7	10/18/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6		U	1.80E-03	8.8E+01		2.0E+01	
SB-215	N	5	7	10/18/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5		U	9.10E-04	2.7E+01		6.0E+00	
SB-215	N	5	7	10/18/21	VOC	Tetrachloroethene	127-18-4		U	1.80E-03	3.9E+02		8.1E+01	
SB-215	N	5	7	10/18/21	VOC	Tetrahydrofuran	109-99-9		U	9.10E-03	9.5E+04		1.8E+04	
SB-215	N	5	7	10/18/21	VOC	Toluene	108-88-3		U	1.80E-03	4.7E+04		4.9E+03	
SB-215	N	5	7	10/18/21	VOC	1,2,3-Trichlorobenzene	87-61-6		U	1.80E-03	9.3E+02		6.3E+01	
SB-215	N	5	7	10/18/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	1.80E-03	2.6E+02		5.8E+01	
SB-215	N	5	7	10/18/21	VOC	1,3,5-Trichlorobenzene	108-70-3		U	1.80E-03				
SB-215	N	5	7	10/18/21	VOC	1,1,1-Trichloroethane	71-55-6		U	1.80E-03	3.6E+04		8.1E+03	
SB-215	N	5	7	10/18/21	VOC	1,1,2-Trichloroethane	79-00-5		U	1.80E-03	6.3E+00		1.5E+00	
SB-215	N	5	7	10/18/21	VOC	Trichloroethene	79-01-6		U	1.80E-03	1.9E+01		4.1E+00	
SB-215	N	5	7	10/18/21	VOC	Trichlorofluoromethane	75-69-4		U	9.10E-03	3.5E+05		2.3E+04	
SB-215	N	5	7	10/18/21	VOC	1,2,3-Trichloropropane	96-18-4		U	1.80E-03	1.1E+00		5.1E-02	
SB-215	N	5	7	10/18/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		U	9.10E-03	2.8E+04		6.7E+03	
SB-215	N	5	7	10/18/21	VOC	1,2,4-Trimethylbenzene	95-63-6		U	1.80E-03	1.8E+03		3.0E+02	
SB-215	N	5	7	10/18/21	VOC	1,3,5-Trimethylbenzene	108-67-8		U	1.80E-03	1.5E+03		2.7E+02	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-215	N	5	7	10/18/21	VOC	Vinyl Chloride	75-01-4		U	9.10E-03	1.7E+01		5.9E-01	
SB-215	N	5	7	10/18/21	VOC	Xylenes (total)	1330-20-7		U	3.60E-03	2.5E+03		5.8E+02	
SB-215	N	5	7	10/18/21	SVOC	Acenaphthene	83-32-9		U	1.90E-01	4.5E+04		3.6E+03	
SB-215	N	5	7	10/18/21	SVOC	Acenaphthylene	208-96-8		U	1.90E-01	2.3E+04		1.8E+03	
SB-215	N	5	7	10/18/21	SVOC	Acetophenone	98-86-2		U	3.90E-01	1.2E+05		7.8E+03	
SB-215	N	5	7	10/18/21	SVOC	t-Amyl methyl ether	994-05-8		U	9.10E-04				
SB-215	N	5	7	10/18/21	SVOC	Aniline	62-53-3		U	3.90E-01	4.0E+03		4.4E+02	
SB-215	N	5	7	10/18/21	SVOC	Anthracene	120-12-7		U	1.90E-01	2.3E+05		1.8E+04	
SB-215	N	5	7	10/18/21	SVOC	Benzidine	92-87-5		U	7.50E-01	1.0E-01		5.3E-03	
SB-215	N	5	7	10/18/21	SVOC	Benzo(a)anthracene	56-55-3		U	1.90E-01	2.1E+02		1.1E+01	
SB-215	N	5	7	10/18/21	SVOC	Benzo(a)pyrene	50-32-8		U	1.90E-01	2.1E+01		1.1E+00	
SB-215	N	5	7	10/18/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	1.90E-01	2.1E+02		1.1E+01	
SB-215	N	5	7	10/18/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	1.90E-01	2.3E+04		1.8E+03	
SB-215	N	5	7	10/18/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	1.90E-01	2.1E+03		1.1E+02	
SB-215	N	5	7	10/18/21	SVOC	Benzoic Acid	65-85-0		U	1.10E+00	3.3E+06		2.5E+05	
SB-215	N	5	7	10/18/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	3.90E-01	2.5E+03		1.9E+02	
SB-215	N	5	7	10/18/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	3.90E-01	1.0E+01		2.3E+00	
SB-215	N	5	7	10/18/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	3.90E-01	1.6E+03		3.9E+02	
SB-215	N	5	7	10/18/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	3.90E-01				
SB-215	N	5	7	10/18/21	SVOC	Butylbenzylphthalate	85-68-7		U	3.90E-01	1.2E+04		2.9E+03	
SB-215	N	5	7	10/18/21	SVOC	Carbazole	86-74-8		U	1.90E-01	3.0E+04		2.4E+03	
SB-215	N	5	7	10/18/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.50E-01	8.2E+04		6.3E+03	
SB-215	N	5	7	10/18/21	SVOC	4-Chloroaniline	106-47-8		U	7.50E-01	1.1E+02		2.7E+01	
SB-215	N	5	7	10/18/21	SVOC	2-Chloronaphthalene	91-58-7		U	3.90E-01	6.0E+04		4.8E+03	
SB-215	N	5	7	10/18/21	SVOC	2-Chlorophenol	95-57-8		U	3.90E-01	5.8E+03		3.9E+02	
SB-215	N	5	7	10/18/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	3.90E-01				
SB-215	N	5	7	10/18/21	SVOC	Chrysene	218-01-9		U	1.90E-01	2.1E+04		1.1E+03	
SB-215	N	5	7	10/18/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	1.90E-01	2.1E+01		1.1E+00	
SB-215	N	5	7	10/18/21	SVOC	Dibenzofuran	132-64-9		U	3.90E-01	1.2E+03		7.8E+01	
SB-215	N	5	7	10/18/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	1.90E-01	5.1E+01		1.2E+01	
SB-215	N	5	7	10/18/21	SVOC	2,4-Dichlorophenol	120-83-2		U	3.90E-01	2.5E+03		1.9E+02	
SB-215	N	5	7	10/18/21	SVOC	Diethylphthalate	84-66-2		U	3.90E-01	6.6E+05		5.1E+04	
SB-215	N	5	7	10/18/21	SVOC	2,4-Dimethylphenol	105-67-9		U	3.90E-01	1.6E+04		1.3E+03	
SB-215	N	5	7	10/18/21	SVOC	Dimethylphthalate	131-11-3		U	3.90E-01	6.6E+05		5.1E+04	
SB-215	N	5	7	10/18/21	SVOC	Di-n-butylphthalate	84-74-2		U	3.90E-01	8.2E+04		6.3E+03	
SB-215	N	5	7	10/18/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	3.90E-01	6.6E+01		5.1E+00	
SB-215	N	5	7	10/18/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.50E-01	1.6E+03		1.3E+02	
SB-215	N	5	7	10/18/21	SVOC	Di-n-octylphthalate	117-84-0		U	3.90E-01	8.2E+03		6.3E+02	
SB-215	N	5	7	10/18/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	3.90E-01	2.9E+01		6.8E+00	
SB-215	N	5	7	10/18/21	SVOC	Fluoranthene	206-44-0		U	1.90E-01	3.0E+04		2.4E+03	
SB-215	N	5	7	10/18/21	SVOC	Fluorene	86-73-7		U	1.90E-01	3.0E+04		2.4E+03	
SB-215	N	5	7	10/18/21	SVOC	Hexachlorobenzene	118-74-1		U	3.90E-01	9.6E+00		7.8E-01	
SB-215	N	5	7	10/18/21	SVOC	Hexachlorobutadiene	87-68-3		U	1.80E-03	5.3E+01		1.2E+01	
SB-215	N	5	7	10/18/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	3.90E-01	7.5E+00		1.8E+00	

**Attachment 1-1: Soil Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-215	N	5	7	10/18/21	SVOC	Hexachloroethane	67-72-1		U	3.90E-01	8.0E+01		1.8E+01	
SB-215	N	5	7	10/18/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	1.90E-01	2.1E+02		1.1E+01	
SB-215	N	5	7	10/18/21	SVOC	Isophorone	78-59-1		U	3.90E-01	2.4E+04		5.7E+03	
SB-215	N	5	7	10/18/21	SVOC	1-Methylnaphthalene	90-12-0		U	1.90E-01	7.3E+02		1.8E+02	
SB-215	N	5	7	10/18/21	SVOC	2-Methylnaphthalene	91-57-6		U	1.90E-01	3.0E+03		2.4E+02	
SB-215	N	5	7	10/18/21	SVOC	2-Methylphenol	95-48-7		U	3.90E-01	4.1E+04		3.2E+03	
SB-215	N	5	7	10/18/21	SVOC	3&4-Methylphenol	65794-96-9		U	3.90E-01				
SB-215	N	5	7	10/18/21	SVOC	Naphthalene	91-20-3		U	3.60E-03	8.6E+01		2.0E+01	
SB-215	N	5	7	10/18/21	SVOC	2-Nitroaniline	88-74-4		U	3.90E-01	8.0E+03		6.3E+02	
SB-215	N	5	7	10/18/21	SVOC	3-Nitroaniline	99-09-2		U	3.90E-01	1.1E+03		2.5E+02	
SB-215	N	5	7	10/18/21	SVOC	4-Nitroaniline	100-01-6		U	3.90E-01	1.1E+03		2.5E+02	
SB-215	N	5	7	10/18/21	SVOC	2-Nitrophenol	88-75-5		U	3.90E-01				
SB-215	N	5	7	10/18/21	SVOC	4-Nitrophenol	100-02-7		U	7.50E-01				
SB-215	N	5	7	10/18/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	3.90E-01	3.4E-01		2.0E-02	
SB-215	N	5	7	10/18/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	3.90E-01	4.7E+03		1.1E+03	
SB-215	N	5	7	10/18/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	3.90E-01	3.3E+00		7.8E-01	
SB-215	N	5	7	10/18/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	3.90E-01	4.7E+04		3.1E+03	
SB-215	N	5	7	10/18/21	SVOC	Pentachloronitrobenzene	82-68-8		U	3.90E-01	1.3E+02		2.7E+01	
SB-215	N	5	7	10/18/21	SVOC	Pentachlorophenol	87-86-5		U	3.90E-01	4.0E+01		1.0E+01	
SB-215	N	5	7	10/18/21	SVOC	Phenanthrene	85-01-8		U	1.90E-01	2.3E+04		1.8E+03	
SB-215	N	5	7	10/18/21	SVOC	Phenol	108-95-2		U	3.90E-01	2.5E+05		1.9E+04	
SB-215	N	5	7	10/18/21	SVOC	Pyrene	129-00-0		U	1.90E-01	2.3E+04		1.8E+03	
SB-215	N	5	7	10/18/21	SVOC	Pyridine	110-86-1		U	3.90E-01	1.2E+03		7.8E+01	
SB-215	N	5	7	10/18/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	3.90E-01	3.5E+01		2.3E+00	
SB-215	N	5	7	10/18/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	3.90E-01	8.2E+04		6.3E+03	
SB-215	N	5	7	10/18/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	3.90E-01	8.2E+02		6.3E+01	
SB-215	N	5	7	10/18/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	3.90E-01	7.4E+01		1.7E+01	
SB-215	N	5	7	10/18/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	3.90E-01	1.5E+01		3.6E+00	
SB-215	N	5	7	10/18/21	NITRO	Nitrobenzene	98-95-3		U	3.90E-01	2.2E+02		5.1E+01	
SB-215	N	5	7	10/18/21	INORG	Aluminum	7429-90-5	1.20E+04		1.90E+01	1.1E+06	1.1E-02	7.7E+04	1.6E-01
SB-215	N	5	7	10/18/21	INORG	Antimony	7440-36-0		U	1.90E+00	4.7E+02		3.1E+01	
SB-215	N	5	7	10/18/21	INORG	Arsenic	7440-38-2	2.60E+00	J	3.80E+00	3.0E+01	8.7E-02	6.8E+00	3.8E-01
SB-215	N	5	7	10/18/21	INORG	Barium	7440-39-3	5.80E+01		1.90E+00	2.2E+05	2.6E-04	1.5E+04	3.9E-03
SB-215	N	5	7	10/18/21	INORG	Beryllium	7440-41-7	9.60E-01		1.90E-01	2.3E+03	4.2E-04	1.6E+02	6.0E-03
SB-215	N	5	7	10/18/21	INORG	Cadmium	7440-43-9		U	3.80E-01	1.0E+02		7.1E+00	
SB-215	N	5	7	10/18/21	INORG	Chromium (total)	7440-47-3	1.50E+01		7.70E-01	1.8E+06	8.3E-06	1.2E+05	1.3E-04
SB-215	N	5	7	10/18/21	INORG	Cobalt	7440-48-4	1.10E+01		1.90E+00	3.5E+02	3.1E-02	2.3E+01	4.8E-01
SB-215	N	5	7	10/18/21	INORG	Copper	7440-50-8	2.00E+01		7.70E-01	4.7E+04	4.3E-04	3.1E+03	6.5E-03
SB-215	N	5	7	10/18/21	INORG	Cyanide (total)	57-12-5		U	5.70E-01	1.5E+02		2.3E+01	
SB-215	N	5	7	10/18/21	INORG	Iron	7439-89-6	1.90E+04		1.90E+03	8.2E+05	2.3E-02	5.5E+04	3.5E-01
SB-215	N	5	7	10/18/21	INORG	Lead	7439-92-1	1.10E+01		5.80E-01	8.0E+02	1.4E-02	2.0E+02	5.5E-02
SB-215	N	5	7	10/18/21	INORG	Manganese	7439-96-5	1.90E+02		3.80E-01	2.6E+04	7.3E-03	1.8E+03	1.1E-01
SB-215	N	5	7	10/18/21	INORG	Mercury	7439-97-6		U	3.20E-02	4.1E+01		7.4E+00	
SB-215	N	5	7	10/18/21	INORG	Nickel	7440-02-0	1.40E+01		7.70E-01	2.2E+04	6.4E-04	1.5E+03	9.3E-03

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-215	N	5	7	10/18/21	INORG	Selenium	7782-49-2		U	3.80E+00	5.8E+03		3.9E+02	
SB-215	N	5	7	10/18/21	INORG	Silver	7440-22-4		U	3.80E-01	5.8E+03		3.9E+02	
SB-215	N	5	7	10/18/21	INORG	Thallium	7440-28-0		U	1.90E+00	1.2E+01		7.8E-01	
SB-215	N	5	7	10/18/21	INORG	Vanadium	7440-62-2	4.00E+01		7.70E-01	5.8E+03	6.9E-03	3.9E+02	1.0E-01
SB-215	N	5	7	10/18/21	INORG	Zinc	7440-66-6	3.90E+01		7.70E-01	3.5E+05	1.1E-04	2.3E+04	1.7E-03
SB-215	N	16	18	10/18/21	VOC	Acetone	67-64-1		U	7.50E-02	1.1E+06		7.0E+04	
SB-215	N	16	18	10/18/21	VOC	Acrylonitrile	107-13-1		U	4.50E-03	1.1E+01		2.5E+00	
SB-215	N	16	18	10/18/21	VOC	Benzene	71-43-2		U	1.50E-03	5.1E+01		1.2E+01	
SB-215	N	16	18	10/18/21	VOC	Bromobenzene	108-86-1		U	1.50E-03	1.8E+03		2.9E+02	
SB-215	N	16	18	10/18/21	VOC	Bromochloromethane	74-97-5		U	1.50E-03	6.3E+02		1.5E+02	
SB-215	N	16	18	10/18/21	VOC	Bromodichloromethane	75-27-4		U	1.50E-03	1.3E+01		2.9E+00	
SB-215	N	16	18	10/18/21	VOC	Bromoform	75-25-2		U	1.50E-03	8.6E+02		1.9E+02	
SB-215	N	16	18	10/18/21	VOC	Bromomethane	74-83-9		U	7.50E-03	3.0E+01		6.8E+00	
SB-215	N	16	18	10/18/21	VOC	2-Butanone	78-93-3		U	3.00E-02	1.9E+05		2.7E+04	
SB-215	N	16	18	10/18/21	VOC	n-Butylbenzene	104-51-8		U	1.50E-03	5.8E+04		3.9E+03	
SB-215	N	16	18	10/18/21	VOC	sec-Butylbenzene	135-98-8		U	1.50E-03	1.2E+05		7.8E+03	
SB-215	N	16	18	10/18/21	VOC	tert-Butylbenzene	98-06-6		U	1.50E-03	1.2E+05		7.8E+03	
SB-215	N	16	18	10/18/21	VOC	Carbon Disulfide	75-15-0		U	7.50E-03	3.5E+03		7.7E+02	
SB-215	N	16	18	10/18/21	VOC	Carbon Tetrachloride	56-23-5		U	1.50E-03	2.9E+01		6.5E+00	
SB-215	N	16	18	10/18/21	VOC	Chlorobenzene	108-90-7		U	1.50E-03	1.3E+03		2.8E+02	
SB-215	N	16	18	10/18/21	VOC	Chloroethane	75-00-3		U	1.50E-02	2.3E+04		5.4E+03	
SB-215	N	16	18	10/18/21	VOC	Chloroform	67-66-3		U	3.00E-03	1.4E+01		3.2E+00	
SB-215	N	16	18	10/18/21	VOC	Chloromethane	74-87-3		U	7.50E-03	4.6E+02		1.1E+02	
SB-215	N	16	18	10/18/21	VOC	2-Chlorotoluene	95-49-8		U	1.50E-03	2.3E+04		1.6E+03	
SB-215	N	16	18	10/18/21	VOC	4-Chlorotoluene	106-43-4		U	1.50E-03	2.3E+04		1.6E+03	
SB-215	N	16	18	10/18/21	VOC	Cumene	98-82-8		U	1.50E-03	9.9E+03		1.9E+03	
SB-215	N	16	18	10/18/21	VOC	p-Cymene	99-87-6		U	1.50E-03				
SB-215	N	16	18	10/18/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8		U	1.50E-03	6.4E-01		5.3E-02	
SB-215	N	16	18	10/18/21	VOC	Dibromochloromethane	124-48-1		U	7.50E-04	3.9E+02		8.3E+01	
SB-215	N	16	18	10/18/21	VOC	1,2-Dibromoethane	106-93-4		U	7.50E-04	1.6E+00		3.6E-01	
SB-215	N	16	18	10/18/21	VOC	Dibromomethane	74-95-3		U	1.50E-03	9.9E+01		2.4E+01	
SB-215	N	16	18	10/18/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6		U	3.00E-03	3.2E-01		7.4E-02	
SB-215	N	16	18	10/18/21	VOC	1,2-Dichlorobenzene	95-50-1		U	1.50E-03	9.3E+03		1.8E+03	
SB-215	N	16	18	10/18/21	VOC	1,3-Dichlorobenzene	541-73-1		U	1.50E-03	1.1E+02		2.6E+01	
SB-215	N	16	18	10/18/21	VOC	1,4-Dichlorobenzene	106-46-7		U	1.50E-03	1.1E+02		2.6E+01	
SB-215	N	16	18	10/18/21	VOC	Dichlorodifluoromethane	75-71-8		U	1.50E-02	3.7E+02		8.7E+01	
SB-215	N	16	18	10/18/21	VOC	1,1-Dichloroethane	75-34-3		U	1.50E-03	1.6E+02		3.6E+01	
SB-215	N	16	18	10/18/21	VOC	1,2-Dichloroethane	107-06-2		U	1.50E-03	2.0E+01		4.6E+00	
SB-215	N	16	18	10/18/21	VOC	1,1-Dichloroethene	75-35-4		U	3.00E-03	1.0E+03		2.3E+02	
SB-215	N	16	18	10/18/21	VOC	cis-1,2-Dichloroethene	156-59-2		U	1.50E-03	3.7E+02		6.3E+01	
SB-215	N	16	18	10/18/21	VOC	trans-1,2-Dichloroethene	156-60-5		U	1.50E-03	3.0E+02		7.0E+01	
SB-215	N	16	18	10/18/21	VOC	1,2-Dichloropropane	78-87-5		U	1.50E-03	6.6E+01		1.6E+01	
SB-215	N	16	18	10/18/21	VOC	1,3-Dichloropropane	142-28-9		U	7.50E-04	2.3E+04		1.6E+03	
SB-215	N	16	18	10/18/21	VOC	2,2-Dichloropropane	594-20-7		U	1.50E-03				

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-215	N	16	18	10/18/21	VOC	1,1-Dichloropropene	563-58-6		U	1.50E-03				
SB-215	N	16	18	10/18/21	VOC	1,3-Dichloropropene (total)	542-75-6		U	7.50E-04	8.2E+01		1.8E+01	
SB-215	N	16	18	10/18/21	VOC	1,4-Dioxane	123-91-1		U	7.50E-02	2.4E+02		5.3E+01	
SB-215	N	16	18	10/18/21	VOC	Ethyl tert-butyl ether	637-92-3		U	7.50E-04	5.6E+03		1.3E+03	
SB-215	N	16	18	10/18/21	VOC	Ethyl Benzene	100-41-4		U	1.50E-03	2.5E+02		5.8E+01	
SB-215	N	16	18	10/18/21	VOC	Diethyl ether	60-29-7		U	1.50E-02	2.3E+05		1.6E+04	
SB-215	N	16	18	10/18/21	VOC	2-Hexanone	591-78-6		U	1.50E-02	1.3E+03		2.0E+02	
SB-215	N	16	18	10/18/21	VOC	Methyl Acetate	79-20-9		U	1.50E-03	1.2E+06		7.8E+04	
SB-215	N	16	18	10/18/21	VOC	Methyl tert-butyl ether	1634-04-4		U	3.00E-03	2.1E+03		4.7E+02	
SB-215	N	16	18	10/18/21	VOC	4-Methyl-2-pentanone	108-10-1		U	1.50E-02	1.4E+05		3.3E+04	
SB-215	N	16	18	10/18/21	VOC	Methylcyclohexane	108-87-2		U	1.50E-03	2.7E+04		6.5E+03	
SB-215	N	16	18	10/18/21	VOC	Methylene Chloride	75-09-2		U	1.50E-02	3.2E+03		3.5E+02	
SB-215	N	16	18	10/18/21	VOC	Diisopropyl ether	108-20-3		U	7.50E-04	9.4E+03		2.2E+03	
SB-215	N	16	18	10/18/21	VOC	n-Propylbenzene	103-65-1		U	1.50E-03	2.4E+04		3.8E+03	
SB-215	N	16	18	10/18/21	VOC	Styrene	100-42-5		U	1.50E-03	3.5E+04		6.0E+03	
SB-215	N	16	18	10/18/21	VOC	tert-Butyl alcohol	75-65-0		U	7.50E-02	6.5E+04		1.4E+04	
SB-215	N	16	18	10/18/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6		U	1.50E-03	8.8E+01		2.0E+01	
SB-215	N	16	18	10/18/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5		U	7.50E-04	2.7E+01		6.0E+00	
SB-215	N	16	18	10/18/21	VOC	Tetrachloroethene	127-18-4		U	1.50E-03	3.9E+02		8.1E+01	
SB-215	N	16	18	10/18/21	VOC	Tetrahydrofuran	109-99-9		U	7.50E-03	9.5E+04		1.8E+04	
SB-215	N	16	18	10/18/21	VOC	Toluene	108-88-3		U	1.50E-03	4.7E+04		4.9E+03	
SB-215	N	16	18	10/18/21	VOC	1,2,3-Trichlorobenzene	87-61-6		U	1.50E-03	9.3E+02		6.3E+01	
SB-215	N	16	18	10/18/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	1.50E-03	2.6E+02		5.8E+01	
SB-215	N	16	18	10/18/21	VOC	1,3,5-Trichlorobenzene	108-70-3		U	1.50E-03				
SB-215	N	16	18	10/18/21	VOC	1,1,1-Trichloroethane	71-55-6		U	1.50E-03	3.6E+04		8.1E+03	
SB-215	N	16	18	10/18/21	VOC	1,1,2-Trichloroethane	79-00-5		U	1.50E-03	6.3E+00		1.5E+00	
SB-215	N	16	18	10/18/21	VOC	Trichloroethene	79-01-6		U	1.50E-03	1.9E+01		4.1E+00	
SB-215	N	16	18	10/18/21	VOC	Trichlorofluoromethane	75-69-4		U	7.50E-03	3.5E+05		2.3E+04	
SB-215	N	16	18	10/18/21	VOC	1,2,3-Trichloropropane	96-18-4		U	1.50E-03	1.1E+00		5.1E-02	
SB-215	N	16	18	10/18/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		U	7.50E-03	2.8E+04		6.7E+03	
SB-215	N	16	18	10/18/21	VOC	1,2,4-Trimethylbenzene	95-63-6		U	1.50E-03	1.8E+03		3.0E+02	
SB-215	N	16	18	10/18/21	VOC	1,3,5-Trimethylbenzene	108-67-8		U	1.50E-03	1.5E+03		2.7E+02	
SB-215	N	16	18	10/18/21	VOC	Vinyl Chloride	75-01-4		U	7.50E-03	1.7E+01		5.9E-01	
SB-215	N	16	18	10/18/21	VOC	Xylenes (total)	1330-20-7		U	3.00E-03	2.5E+03		5.8E+02	
SB-215	N	16	18	10/18/21	SVOC	Acenaphthene	83-32-9		U	1.90E-01	4.5E+04		3.6E+03	
SB-215	N	16	18	10/18/21	SVOC	Acenaphthylene	208-96-8		U	1.90E-01	2.3E+04		1.8E+03	
SB-215	N	16	18	10/18/21	SVOC	Acetophenone	98-86-2		U	3.90E-01	1.2E+05		7.8E+03	
SB-215	N	16	18	10/18/21	SVOC	t-Amyl methyl ether	994-05-8		U	7.50E-04				
SB-215	N	16	18	10/18/21	SVOC	Aniline	62-53-3		U	3.90E-01	4.0E+03		4.4E+02	
SB-215	N	16	18	10/18/21	SVOC	Anthracene	120-12-7		U	1.90E-01	2.3E+05		1.8E+04	
SB-215	N	16	18	10/18/21	SVOC	Benzidine	92-87-5		U	7.50E-01	1.0E-01		5.3E-03	
SB-215	N	16	18	10/18/21	SVOC	Benzo(a)anthracene	56-55-3		U	1.90E-01	2.1E+02		1.1E+01	
SB-215	N	16	18	10/18/21	SVOC	Benzo(a)pyrene	50-32-8		U	1.90E-01	2.1E+01		1.1E+00	
SB-215	N	16	18	10/18/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	1.90E-01	2.1E+02		1.1E+01	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-215	N	16	18	10/18/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	1.90E-01	2.3E+04		1.8E+03	
SB-215	N	16	18	10/18/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	1.90E-01	2.1E+03		1.1E+02	
SB-215	N	16	18	10/18/21	SVOC	Benzoic Acid	65-85-0		U	1.10E+00	3.3E+06		2.5E+05	
SB-215	N	16	18	10/18/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	3.90E-01	2.5E+03		1.9E+02	
SB-215	N	16	18	10/18/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	3.90E-01	1.0E+01		2.3E+00	
SB-215	N	16	18	10/18/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	3.90E-01	1.6E+03		3.9E+02	
SB-215	N	16	18	10/18/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	3.90E-01				
SB-215	N	16	18	10/18/21	SVOC	Butylbenzylphthalate	85-68-7		U	3.90E-01	1.2E+04		2.9E+03	
SB-215	N	16	18	10/18/21	SVOC	Carbazole	86-74-8		U	1.90E-01	3.0E+04		2.4E+03	
SB-215	N	16	18	10/18/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.50E-01	8.2E+04		6.3E+03	
SB-215	N	16	18	10/18/21	SVOC	4-Chloroaniline	106-47-8		U	7.50E-01	1.1E+02		2.7E+01	
SB-215	N	16	18	10/18/21	SVOC	2-Chloronaphthalene	91-58-7		U	3.90E-01	6.0E+04		4.8E+03	
SB-215	N	16	18	10/18/21	SVOC	2-Chlorophenol	95-57-8		U	3.90E-01	5.8E+03		3.9E+02	
SB-215	N	16	18	10/18/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	3.90E-01				
SB-215	N	16	18	10/18/21	SVOC	Chrysene	218-01-9		U	1.90E-01	2.1E+04		1.1E+03	
SB-215	N	16	18	10/18/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	1.90E-01	2.1E+01		1.1E+00	
SB-215	N	16	18	10/18/21	SVOC	Dibenzofuran	132-64-9		U	3.90E-01	1.2E+03		7.8E+01	
SB-215	N	16	18	10/18/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	1.90E-01	5.1E+01		1.2E+01	
SB-215	N	16	18	10/18/21	SVOC	2,4-Dichlorophenol	120-83-2		U	3.90E-01	2.5E+03		1.9E+02	
SB-215	N	16	18	10/18/21	SVOC	Diethylphthalate	84-66-2		U	3.90E-01	6.6E+05		5.1E+04	
SB-215	N	16	18	10/18/21	SVOC	2,4-Dimethylphenol	105-67-9		U	3.90E-01	1.6E+04		1.3E+03	
SB-215	N	16	18	10/18/21	SVOC	Dimethylphthalate	131-11-3		U	3.90E-01	6.6E+05		5.1E+04	
SB-215	N	16	18	10/18/21	SVOC	Di-n-butylphthalate	84-74-2		U	3.90E-01	8.2E+04		6.3E+03	
SB-215	N	16	18	10/18/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	3.90E-01	6.6E+01		5.1E+00	
SB-215	N	16	18	10/18/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.50E-01	1.6E+03		1.3E+02	
SB-215	N	16	18	10/18/21	SVOC	Di-n-octylphthalate	117-84-0		U	3.90E-01	8.2E+03		6.3E+02	
SB-215	N	16	18	10/18/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	3.90E-01	2.9E+01		6.8E+00	
SB-215	N	16	18	10/18/21	SVOC	Fluoranthene	206-44-0		U	1.90E-01	3.0E+04		2.4E+03	
SB-215	N	16	18	10/18/21	SVOC	Fluorene	86-73-7		U	1.90E-01	3.0E+04		2.4E+03	
SB-215	N	16	18	10/18/21	SVOC	Hexachlorobenzene	118-74-1		U	3.90E-01	9.6E+00		7.8E-01	
SB-215	N	16	18	10/18/21	SVOC	Hexachlorobutadiene	87-68-3		U	1.50E-03	5.3E+01		1.2E+01	
SB-215	N	16	18	10/18/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	3.90E-01	7.5E+00		1.8E+00	
SB-215	N	16	18	10/18/21	SVOC	Hexachloroethane	67-72-1		U	3.90E-01	8.0E+01		1.8E+01	
SB-215	N	16	18	10/18/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	1.90E-01	2.1E+02		1.1E+01	
SB-215	N	16	18	10/18/21	SVOC	Isophorone	78-59-1		U	3.90E-01	2.4E+04		5.7E+03	
SB-215	N	16	18	10/18/21	SVOC	1-Methylnaphthalene	90-12-0		U	1.90E-01	7.3E+02		1.8E+02	
SB-215	N	16	18	10/18/21	SVOC	2-Methylnaphthalene	91-57-6		U	1.90E-01	3.0E+03		2.4E+02	
SB-215	N	16	18	10/18/21	SVOC	2-Methylphenol	95-48-7		U	3.90E-01	4.1E+04		3.2E+03	
SB-215	N	16	18	10/18/21	SVOC	3&4-Methylphenol	65794-96-9		U	3.90E-01				
SB-215	N	16	18	10/18/21	SVOC	Naphthalene	91-20-3		U	3.00E-03	8.6E+01		2.0E+01	
SB-215	N	16	18	10/18/21	SVOC	2-Nitroaniline	88-74-4		U	3.90E-01	8.0E+03		6.3E+02	
SB-215	N	16	18	10/18/21	SVOC	3-Nitroaniline	99-09-2		U	3.90E-01	1.1E+03		2.5E+02	
SB-215	N	16	18	10/18/21	SVOC	4-Nitroaniline	100-01-6		U	3.90E-01	1.1E+03		2.5E+02	
SB-215	N	16	18	10/18/21	SVOC	2-Nitrophenol	88-75-5		U	3.90E-01				

**Attachment 1-1: Soil Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-215	N	16	18	10/18/21	SVOC	4-Nitrophenol	100-02-7		U	7.50E-01				
SB-215	N	16	18	10/18/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	3.90E-01	3.4E-01		2.0E-02	
SB-215	N	16	18	10/18/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	3.90E-01	4.7E+03		1.1E+03	
SB-215	N	16	18	10/18/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	3.90E-01	3.3E+00		7.8E-01	
SB-215	N	16	18	10/18/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	3.90E-01	4.7E+04		3.1E+03	
SB-215	N	16	18	10/18/21	SVOC	Pentachloronitrobenzene	82-68-8		U	3.90E-01	1.3E+02		2.7E+01	
SB-215	N	16	18	10/18/21	SVOC	Pentachlorophenol	87-86-5		U	3.90E-01	4.0E+01		1.0E+01	
SB-215	N	16	18	10/18/21	SVOC	Phenanthrene	85-01-8		U	1.90E-01	2.3E+04		1.8E+03	
SB-215	N	16	18	10/18/21	SVOC	Phenol	108-95-2		U	3.90E-01	2.5E+05		1.9E+04	
SB-215	N	16	18	10/18/21	SVOC	Pyrene	129-00-0		U	1.90E-01	2.3E+04		1.8E+03	
SB-215	N	16	18	10/18/21	SVOC	Pyridine	110-86-1		U	3.90E-01	1.2E+03		7.8E+01	
SB-215	N	16	18	10/18/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	3.90E-01	3.5E+01		2.3E+00	
SB-215	N	16	18	10/18/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	3.90E-01	8.2E+04		6.3E+03	
SB-215	N	16	18	10/18/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	3.90E-01	8.2E+02		6.3E+01	
SB-215	N	16	18	10/18/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	3.90E-01	7.4E+01		1.7E+01	
SB-215	N	16	18	10/18/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	3.90E-01	1.5E+01		3.6E+00	
SB-215	N	16	18	10/18/21	NITRO	Nitrobenzene	98-95-3		U	3.90E-01	2.2E+02		5.1E+01	
SB-215	N	16	18	10/18/21	INORG	Aluminum	7429-90-5	9.60E+03		1.90E+01	1.1E+06	8.7E-03	7.7E+04	1.2E-01
SB-215	N	16	18	10/18/21	INORG	Antimony	7440-36-0		U	1.90E+00	4.7E+02		3.1E+01	
SB-215	N	16	18	10/18/21	INORG	Arsenic	7440-38-2	4.40E+00		3.80E+00	3.0E+01	1.5E-01	6.8E+00	6.5E-01
SB-215	N	16	18	10/18/21	INORG	Barium	7440-39-3	6.70E+01		1.90E+00	2.2E+05	3.0E-04	1.5E+04	4.5E-03
SB-215	N	16	18	10/18/21	INORG	Beryllium	7440-41-7	7.10E-01		1.90E-01	2.3E+03	3.1E-04	1.6E+02	4.4E-03
SB-215	N	16	18	10/18/21	INORG	Cadmium	7440-43-9		U	3.80E-01	1.0E+02		7.1E+00	
SB-215	N	16	18	10/18/21	INORG	Chromium (total)	7440-47-3	1.80E+01		7.70E-01	1.8E+06	1.0E-05	1.2E+05	1.5E-04
SB-215	N	16	18	10/18/21	INORG	Cobalt	7440-48-4	7.00E+00		1.90E+00	3.5E+02	2.0E-02	2.3E+01	3.0E-01
SB-215	N	16	18	10/18/21	INORG	Copper	7440-50-8	1.60E+01		7.70E-01	4.7E+04	3.4E-04	3.1E+03	5.2E-03
SB-215	N	16	18	10/18/21	INORG	Cyanide (total)	57-12-5		U	5.80E-01	1.5E+02		2.3E+01	
SB-215	N	16	18	10/18/21	INORG	Iron	7439-89-6	2.60E+04		1.90E+03	8.2E+05	3.2E-02	5.5E+04	4.7E-01
SB-215	N	16	18	10/18/21	INORG	Lead	7439-92-1	1.10E+01		5.80E-01	8.0E+02	1.4E-02	2.0E+02	5.5E-02
SB-215	N	16	18	10/18/21	INORG	Manganese	7439-96-5	7.70E+01		3.80E-01	2.6E+04	3.0E-03	1.8E+03	4.3E-02
SB-215	N	16	18	10/18/21	INORG	Mercury	7439-97-6		U	3.10E-02	4.1E+01		7.4E+00	
SB-215	N	16	18	10/18/21	INORG	Nickel	7440-02-0	1.50E+01		7.70E-01	2.2E+04	6.8E-04	1.5E+03	1.0E-02
SB-215	N	16	18	10/18/21	INORG	Selenium	7782-49-2		U	3.80E+00	5.8E+03		3.9E+02	
SB-215	N	16	18	10/18/21	INORG	Silver	7440-22-4		U	3.80E-01	5.8E+03		3.9E+02	
SB-215	N	16	18	10/18/21	INORG	Thallium	7440-28-0		U	1.90E+00	1.2E+01		7.8E-01	
SB-215	N	16	18	10/18/21	INORG	Vanadium	7440-62-2	2.70E+01		7.70E-01	5.8E+03	4.7E-03	3.9E+02	6.9E-02
SB-215	N	16	18	10/18/21	INORG	Zinc	7440-66-6	4.00E+01		7.70E-01	3.5E+05	1.1E-04	2.3E+04	1.7E-03
SB-216	N	1	3	10/18/21	VOC	Acetone	67-64-1		U	7.80E-02	1.1E+06		7.0E+04	
SB-216	N	1	3	10/18/21	VOC	Acrylonitrile	107-13-1		U	4.70E-03	1.1E+01		2.5E+00	
SB-216	N	1	3	10/18/21	VOC	Benzene	71-43-2		U	1.60E-03	5.1E+01		1.2E+01	
SB-216	N	1	3	10/18/21	VOC	Bromobenzene	108-86-1		U	1.60E-03	1.8E+03		2.9E+02	
SB-216	N	1	3	10/18/21	VOC	Bromochloromethane	74-97-5		U	1.60E-03	6.3E+02		1.5E+02	
SB-216	N	1	3	10/18/21	VOC	Bromodichloromethane	75-27-4		U	1.60E-03	1.3E+01		2.9E+00	
SB-216	N	1	3	10/18/21	VOC	Bromoform	75-25-2		U	1.60E-03	8.6E+02		1.9E+02	



**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-216	N	1	3	10/18/21	VOC	Bromomethane	74-83-9		U	7.80E-03	3.0E+01		6.8E+00	
SB-216	N	1	3	10/18/21	VOC	2-Butanone	78-93-3		U	3.10E-02	1.9E+05		2.7E+04	
SB-216	N	1	3	10/18/21	VOC	n-Butylbenzene	104-51-8		U	1.60E-03	5.8E+04		3.9E+03	
SB-216	N	1	3	10/18/21	VOC	sec-Butylbenzene	135-98-8		U	1.60E-03	1.2E+05		7.8E+03	
SB-216	N	1	3	10/18/21	VOC	tert-Butylbenzene	98-06-6		U	1.60E-03	1.2E+05		7.8E+03	
SB-216	N	1	3	10/18/21	VOC	Carbon Disulfide	75-15-0		U	7.80E-03	3.5E+03		7.7E+02	
SB-216	N	1	3	10/18/21	VOC	Carbon Tetrachloride	56-23-5		U	1.60E-03	2.9E+01		6.5E+00	
SB-216	N	1	3	10/18/21	VOC	Chlorobenzene	108-90-7		U	1.60E-03	1.3E+03		2.8E+02	
SB-216	N	1	3	10/18/21	VOC	Chloroethane	75-00-3		U	1.60E-02	2.3E+04		5.4E+03	
SB-216	N	1	3	10/18/21	VOC	Chloroform	67-66-3		U	3.10E-03	1.4E+01		3.2E+00	
SB-216	N	1	3	10/18/21	VOC	Chloromethane	74-87-3		U	7.80E-03	4.6E+02		1.1E+02	
SB-216	N	1	3	10/18/21	VOC	2-Chlorotoluene	95-49-8		U	1.60E-03	2.3E+04		1.6E+03	
SB-216	N	1	3	10/18/21	VOC	4-Chlorotoluene	106-43-4		U	1.60E-03	2.3E+04		1.6E+03	
SB-216	N	1	3	10/18/21	VOC	Cumene	98-82-8		U	1.60E-03	9.9E+03		1.9E+03	
SB-216	N	1	3	10/18/21	VOC	p-Cymene	99-87-6		U	1.60E-03				
SB-216	N	1	3	10/18/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8		U	1.60E-03	6.4E-01		5.3E-02	
SB-216	N	1	3	10/18/21	VOC	Dibromochloromethane	124-48-1		U	7.80E-04	3.9E+02		8.3E+01	
SB-216	N	1	3	10/18/21	VOC	1,2-Dibromoethane	106-93-4		U	7.80E-04	1.6E+00		3.6E-01	
SB-216	N	1	3	10/18/21	VOC	Dibromomethane	74-95-3		U	1.60E-03	9.9E+01		2.4E+01	
SB-216	N	1	3	10/18/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6		U	3.10E-03	3.2E-01		7.4E-02	
SB-216	N	1	3	10/18/21	VOC	1,2-Dichlorobenzene	95-50-1		U	1.60E-03	9.3E+03		1.8E+03	
SB-216	N	1	3	10/18/21	VOC	1,3-Dichlorobenzene	541-73-1		U	1.60E-03	1.1E+02		2.6E+01	
SB-216	N	1	3	10/18/21	VOC	1,4-Dichlorobenzene	106-46-7		U	1.60E-03	1.1E+02		2.6E+01	
SB-216	N	1	3	10/18/21	VOC	Dichlorodifluoromethane	75-71-8		U	1.60E-02	3.7E+02		8.7E+01	
SB-216	N	1	3	10/18/21	VOC	1,1-Dichloroethane	75-34-3		U	1.60E-03	1.6E+02		3.6E+01	
SB-216	N	1	3	10/18/21	VOC	1,2-Dichloroethane	107-06-2		U	1.60E-03	2.0E+01		4.6E+00	
SB-216	N	1	3	10/18/21	VOC	1,1-Dichloroethene	75-35-4		U	3.10E-03	1.0E+03		2.3E+02	
SB-216	N	1	3	10/18/21	VOC	cis-1,2-Dichloroethene	156-59-2		U	1.60E-03	3.7E+02		6.3E+01	
SB-216	N	1	3	10/18/21	VOC	trans-1,2-Dichloroethene	156-60-5		U	1.60E-03	3.0E+02		7.0E+01	
SB-216	N	1	3	10/18/21	VOC	1,2-Dichloropropane	78-87-5		U	1.60E-03	6.6E+01		1.6E+01	
SB-216	N	1	3	10/18/21	VOC	1,3-Dichloropropane	142-28-9		U	7.80E-04	2.3E+04		1.6E+03	
SB-216	N	1	3	10/18/21	VOC	2,2-Dichloropropane	594-20-7		U	1.60E-03				
SB-216	N	1	3	10/18/21	VOC	1,1-Dichloropropene	563-58-6		U	1.60E-03				
SB-216	N	1	3	10/18/21	VOC	1,3-Dichloropropene (total)	542-75-6		U	7.80E-04	8.2E+01		1.8E+01	
SB-216	N	1	3	10/18/21	VOC	1,4-Dioxane	123-91-1		U	7.80E-02	2.4E+02		5.3E+01	
SB-216	N	1	3	10/18/21	VOC	Ethyl tert-butyl ether	637-92-3		U	7.80E-04	5.6E+03		1.3E+03	
SB-216	N	1	3	10/18/21	VOC	Ethyl Benzene	100-41-4		U	1.60E-03	2.5E+02		5.8E+01	
SB-216	N	1	3	10/18/21	VOC	Diethyl ether	60-29-7		U	1.60E-02	2.3E+05		1.6E+04	
SB-216	N	1	3	10/18/21	VOC	2-Hexanone	591-78-6		U	1.60E-02	1.3E+03		2.0E+02	
SB-216	N	1	3	10/18/21	VOC	Methyl Acetate	79-20-9		U	1.60E-03	1.2E+06		7.8E+04	
SB-216	N	1	3	10/18/21	VOC	Methyl tert-butyl ether	1634-04-4		U	3.10E-03	2.1E+03		4.7E+02	
SB-216	N	1	3	10/18/21	VOC	4-Methyl-2-pentanone	108-10-1		U	1.60E-02	1.4E+05		3.3E+04	
SB-216	N	1	3	10/18/21	VOC	Methylcyclohexane	108-87-2		U	1.60E-03	2.7E+04		6.5E+03	
SB-216	N	1	3	10/18/21	VOC	Methylene Chloride	75-09-2		U	1.60E-02	3.2E+03		3.5E+02	

**Attachment 1-1: Soil Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-216	N	1	3	10/18/21	VOC	Diisopropyl ether	108-20-3		U	7.80E-04	9.4E+03		2.2E+03	
SB-216	N	1	3	10/18/21	VOC	n-Propylbenzene	103-65-1		U	1.60E-03	2.4E+04		3.8E+03	
SB-216	N	1	3	10/18/21	VOC	Styrene	100-42-5		U	1.60E-03	3.5E+04		6.0E+03	
SB-216	N	1	3	10/18/21	VOC	tert-Butyl alcohol	75-65-0		U	7.80E-02	6.5E+04		1.4E+04	
SB-216	N	1	3	10/18/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6		U	1.60E-03	8.8E+01		2.0E+01	
SB-216	N	1	3	10/18/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5		U	7.80E-04	2.7E+01		6.0E+00	
SB-216	N	1	3	10/18/21	VOC	Tetrachloroethene	127-18-4		U	1.60E-03	3.9E+02		8.1E+01	
SB-216	N	1	3	10/18/21	VOC	Tetrahydrofuran	109-99-9		U	7.80E-03	9.5E+04		1.8E+04	
SB-216	N	1	3	10/18/21	VOC	Toluene	108-88-3		U	1.60E-03	4.7E+04		4.9E+03	
SB-216	N	1	3	10/18/21	VOC	1,2,3-Trichlorobenzene	87-61-6		U	1.60E-03	9.3E+02		6.3E+01	
SB-216	N	1	3	10/18/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	1.60E-03	2.6E+02		5.8E+01	
SB-216	N	1	3	10/18/21	VOC	1,3,5-Trichlorobenzene	108-70-3		U	1.60E-03				
SB-216	N	1	3	10/18/21	VOC	1,1,1-Trichloroethane	71-55-6		U	1.60E-03	3.6E+04		8.1E+03	
SB-216	N	1	3	10/18/21	VOC	1,1,2-Trichloroethane	79-00-5		U	1.60E-03	6.3E+00		1.5E+00	
SB-216	N	1	3	10/18/21	VOC	Trichloroethene	79-01-6		U	1.60E-03	1.9E+01		4.1E+00	
SB-216	N	1	3	10/18/21	VOC	Trichlorofluoromethane	75-69-4		U	7.80E-03	3.5E+05		2.3E+04	
SB-216	N	1	3	10/18/21	VOC	1,2,3-Trichloropropane	96-18-4		U	1.60E-03	1.1E+00		5.1E-02	
SB-216	N	1	3	10/18/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		U	7.80E-03	2.8E+04		6.7E+03	
SB-216	N	1	3	10/18/21	VOC	1,2,4-Trimethylbenzene	95-63-6		U	1.60E-03	1.8E+03		3.0E+02	
SB-216	N	1	3	10/18/21	VOC	1,3,5-Trimethylbenzene	108-67-8		U	1.60E-03	1.5E+03		2.7E+02	
SB-216	N	1	3	10/18/21	VOC	Vinyl Chloride	75-01-4		U	7.80E-03	1.7E+01		5.9E-01	
SB-216	N	1	3	10/18/21	VOC	Xylenes (total)	1330-20-7		U	3.10E-03	2.5E+03		5.8E+02	
SB-216	N	1	3	10/18/21	SVOC	Acenaphthene	83-32-9	5.50E-01		2.00E-01	4.5E+04	1.2E-05	3.6E+03	1.5E-04
SB-216	N	1	3	10/18/21	SVOC	Acenaphthylene	208-96-8	1.20E-01	J	2.00E-01	2.3E+04	5.2E-06	1.8E+03	6.7E-05
SB-216	N	1	3	10/18/21	SVOC	Acetophenone	98-86-2	6.80E-02	J	4.00E-01	1.2E+05	5.7E-07	7.8E+03	8.7E-06
SB-216	N	1	3	10/18/21	SVOC	t-Amyl methyl ether	994-05-8		U	7.80E-04				
SB-216	N	1	3	10/18/21	SVOC	Aniline	62-53-3		U	4.00E-01	4.0E+03		4.4E+02	
SB-216	N	1	3	10/18/21	SVOC	Anthracene	120-12-7	6.90E-01		2.00E-01	2.3E+05	3.0E-06	1.8E+04	3.8E-05
SB-216	N	1	3	10/18/21	SVOC	Benzidine	92-87-5		U	7.80E-01	1.0E-01		5.3E-03	
SB-216	N	1	3	10/18/21	SVOC	Benzo(a)anthracene	56-55-3	4.90E-01		2.00E-01	2.1E+02	2.3E-03	1.1E+01	4.5E-02
SB-216	N	1	3	10/18/21	SVOC	Benzo(a)pyrene	50-32-8	3.30E-01		2.00E-01	2.1E+01	1.6E-02	1.1E+00	3.0E-01
SB-216	N	1	3	10/18/21	SVOC	Benzo(b)fluoranthene	205-99-2	4.90E-01		2.00E-01	2.1E+02	2.3E-03	1.1E+01	4.5E-02
SB-216	N	1	3	10/18/21	SVOC	Benzo(g,h,i)perylene	191-24-2	1.40E-01	J	2.00E-01	2.3E+04	6.1E-06	1.8E+03	7.8E-05
SB-216	N	1	3	10/18/21	SVOC	Benzo(k)fluoranthene	207-08-9	2.00E-01	J	2.00E-01	2.1E+03	9.5E-05	1.1E+02	1.8E-03
SB-216	N	1	3	10/18/21	SVOC	Benzoic Acid	65-85-0		U	1.20E+00	3.3E+06		2.5E+05	
SB-216	N	1	3	10/18/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	4.00E-01	2.5E+03		1.9E+02	
SB-216	N	1	3	10/18/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	4.00E-01	1.0E+01		2.3E+00	
SB-216	N	1	3	10/18/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	4.00E-01	1.6E+03		3.9E+02	
SB-216	N	1	3	10/18/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	4.00E-01				
SB-216	N	1	3	10/18/21	SVOC	Butylbenzylphthalate	85-68-7		U	4.00E-01	1.2E+04		2.9E+03	
SB-216	N	1	3	10/18/21	SVOC	Carbazole	86-74-8	2.50E-01		2.00E-01	3.0E+04	8.3E-06	2.4E+03	1.0E-04
SB-216	N	1	3	10/18/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.80E-01	8.2E+04		6.3E+03	
SB-216	N	1	3	10/18/21	SVOC	4-Chloroaniline	106-47-8		U	7.80E-01	1.1E+02		2.7E+01	
SB-216	N	1	3	10/18/21	SVOC	2-Chloronaphthalene	91-58-7		U	4.00E-01	6.0E+04		4.8E+03	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-216	N	1	3	10/18/21	SVOC	2-Chlorophenol	95-57-8		U	4.00E-01	5.8E+03		3.9E+02	
SB-216	N	1	3	10/18/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	4.00E-01				
SB-216	N	1	3	10/18/21	SVOC	Chrysene	218-01-9	4.50E-01		2.00E-01	2.1E+04	2.1E-05	1.1E+03	4.1E-04
SB-216	N	1	3	10/18/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	2.00E-01	2.1E+01		1.1E+00	
SB-216	N	1	3	10/18/21	SVOC	Dibenzofuran	132-64-9	6.90E-01		4.00E-01	1.2E+03	5.8E-04	7.8E+01	8.8E-03
SB-216	N	1	3	10/18/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	2.00E-01	5.1E+01		1.2E+01	
SB-216	N	1	3	10/18/21	SVOC	2,4-Dichlorophenol	120-83-2		U	4.00E-01	2.5E+03		1.9E+02	
SB-216	N	1	3	10/18/21	SVOC	Diethylphthalate	84-66-2		U	4.00E-01	6.6E+05		5.1E+04	
SB-216	N	1	3	10/18/21	SVOC	2,4-Dimethylphenol	105-67-9		U	4.00E-01	1.6E+04		1.3E+03	
SB-216	N	1	3	10/18/21	SVOC	Dimethylphthalate	131-11-3		U	4.00E-01	6.6E+05		5.1E+04	
SB-216	N	1	3	10/18/21	SVOC	Di-n-butylphthalate	84-74-2		U	4.00E-01	8.2E+04		6.3E+03	
SB-216	N	1	3	10/18/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	4.00E-01	6.6E+01		5.1E+00	
SB-216	N	1	3	10/18/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.80E-01	1.6E+03		1.3E+02	
SB-216	N	1	3	10/18/21	SVOC	Di-n-octylphthalate	117-84-0		U	4.00E-01	8.2E+03		6.3E+02	
SB-216	N	1	3	10/18/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	4.00E-01	2.9E+01		6.8E+00	
SB-216	N	1	3	10/18/21	SVOC	Fluoranthene	206-44-0	2.00E+00		2.00E-01	3.0E+04	6.7E-05	2.4E+03	8.3E-04
SB-216	N	1	3	10/18/21	SVOC	Fluorene	86-73-7	8.00E-01		2.00E-01	3.0E+04	2.7E-05	2.4E+03	3.3E-04
SB-216	N	1	3	10/18/21	SVOC	Hexachlorobenzene	118-74-1		U	4.00E-01	9.6E+00		7.8E-01	
SB-216	N	1	3	10/18/21	SVOC	Hexachlorobutadiene	87-68-3		U	1.60E-03	5.3E+01		1.2E+01	
SB-216	N	1	3	10/18/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	4.00E-01	7.5E+00		1.8E+00	
SB-216	N	1	3	10/18/21	SVOC	Hexachloroethane	67-72-1		U	4.00E-01	8.0E+01		1.8E+01	
SB-216	N	1	3	10/18/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	1.70E-01	J	2.00E-01	2.1E+02	8.1E-04	1.1E+01	1.5E-02
SB-216	N	1	3	10/18/21	SVOC	Isophorone	78-59-1		U	4.00E-01	2.4E+04		5.7E+03	
SB-216	N	1	3	10/18/21	SVOC	1-Methylnaphthalene	90-12-0	5.90E-01		2.00E-01	7.3E+02	8.1E-04	1.8E+02	3.3E-03
SB-216	N	1	3	10/18/21	SVOC	2-Methylnaphthalene	91-57-6	1.10E+00		2.00E-01	3.0E+03	3.7E-04	2.4E+02	4.6E-03
SB-216	N	1	3	10/18/21	SVOC	2-Methylphenol	95-48-7		U	4.00E-01	4.1E+04		3.2E+03	
SB-216	N	1	3	10/18/21	SVOC	3&4-Methylphenol	65794-96-9		U	4.00E-01				
SB-216	N	1	3	10/18/21	SVOC	Naphthalene	91-20-3	1.00E+00		2.00E-01	8.6E+01	1.2E-02	2.0E+01	5.0E-02
SB-216	N	1	3	10/18/21	SVOC	2-Nitroaniline	88-74-4		U	4.00E-01	8.0E+03		6.3E+02	
SB-216	N	1	3	10/18/21	SVOC	3-Nitroaniline	99-09-2		U	4.00E-01	1.1E+03		2.5E+02	
SB-216	N	1	3	10/18/21	SVOC	4-Nitroaniline	100-01-6		U	4.00E-01	1.1E+03		2.5E+02	
SB-216	N	1	3	10/18/21	SVOC	2-Nitrophenol	88-75-5		U	4.00E-01				
SB-216	N	1	3	10/18/21	SVOC	4-Nitrophenol	100-02-7		U	7.80E-01				
SB-216	N	1	3	10/18/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	4.00E-01	3.4E-01		2.0E-02	
SB-216	N	1	3	10/18/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	4.00E-01	4.7E+03		1.1E+03	
SB-216	N	1	3	10/18/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	4.00E-01	3.3E+00		7.8E-01	
SB-216	N	1	3	10/18/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	4.00E-01	4.7E+04		3.1E+03	
SB-216	N	1	3	10/18/21	SVOC	Pentachloronitrobenzene	82-68-8		U	4.00E-01	1.3E+02		2.7E+01	
SB-216	N	1	3	10/18/21	SVOC	Pentachlorophenol	87-86-5		U	4.00E-01	4.0E+01		1.0E+01	
SB-216	N	1	3	10/18/21	SVOC	Phenanthrene	85-01-8	3.00E+00		2.00E-01	2.3E+04	1.3E-04	1.8E+03	1.7E-03
SB-216	N	1	3	10/18/21	SVOC	Phenol	108-95-2		U	4.00E-01	2.5E+05		1.9E+04	
SB-216	N	1	3	10/18/21	SVOC	Pyrene	129-00-0	1.40E+00		2.00E-01	2.3E+04	6.1E-05	1.8E+03	7.8E-04
SB-216	N	1	3	10/18/21	SVOC	Pyridine	110-86-1		U	4.00E-01	1.2E+03		7.8E+01	
SB-216	N	1	3	10/18/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	4.00E-01	3.5E+01		2.3E+00	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Ratio of Conc to Residential RSLs
SB-216	N	1	3	10/18/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	4.00E-01	8.2E+04	6.3E+03		
SB-216	N	1	3	10/18/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	4.00E-01	8.2E+02	6.3E+01		
SB-216	N	1	3	10/18/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	4.00E-01	7.4E+01	1.7E+01		
SB-216	N	1	3	10/18/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	4.00E-01	1.5E+01	3.6E+00		
SB-216	N	1	3	10/18/21	NITRO	Nitrobenzene	98-95-3		U	4.00E-01	2.2E+02	5.1E+01		
SB-216	N	1	3	10/18/21	INORG	Aluminum	7429-90-5	6.10E+03		1.90E+01	1.1E+06	7.7E+04	5.5E-03	7.9E-02
SB-216	N	1	3	10/18/21	INORG	Antimony	7440-36-0		U	1.90E+00	4.7E+02	3.1E+01		
SB-216	N	1	3	10/18/21	INORG	Arsenic	7440-38-2	7.70E+00		3.90E+00	3.0E+01	6.8E+00	2.6E-01	1.1E+00
SB-216	N	1	3	10/18/21	INORG	Barium	7440-39-3	6.40E+01		1.90E+00	2.2E+05	1.5E+04	2.9E-04	4.3E-03
SB-216	N	1	3	10/18/21	INORG	Beryllium	7440-41-7	3.10E-01		1.90E-01	2.3E+03	1.6E+02	1.3E-04	1.9E-03
SB-216	N	1	3	10/18/21	INORG	Cadmium	7440-43-9		U	3.90E-01	1.0E+02	7.1E+00		
SB-216	N	1	3	10/18/21	INORG	Chromium (total)	7440-47-3	1.50E+01		7.80E-01	1.8E+06	1.2E+05	8.3E-06	1.3E-04
SB-216	N	1	3	10/18/21	INORG	Cobalt	7440-48-4	4.20E+00		1.90E+00	3.5E+02	2.3E+01	1.2E-02	1.8E-01
SB-216	N	1	3	10/18/21	INORG	Copper	7440-50-8	2.90E+01		7.80E-01	4.7E+04	3.1E+03	6.2E-04	9.4E-03
SB-216	N	1	3	10/18/21	INORG	Cyanide (total)	57-12-5	6.60E-01		5.80E-01	1.5E+02	2.3E+01	4.4E-03	2.9E-02
SB-216	N	1	3	10/18/21	INORG	Iron	7439-89-6	2.50E+04		1.90E+03	8.2E+05	5.5E+04	3.0E-02	4.5E-01
SB-216	N	1	3	10/18/21	INORG	Lead	7439-92-1	7.20E+00		5.80E-01	8.0E+02	2.0E+02	9.0E-03	3.6E-02
SB-216	N	1	3	10/18/21	INORG	Manganese	7439-96-5	6.10E+01		3.90E-01	2.6E+04	1.8E+03	2.3E-03	3.4E-02
SB-216	N	1	3	10/18/21	INORG	Mercury	7439-97-6	1.10E-02	J	3.10E-02	4.1E+01	7.4E+00	2.7E-04	1.5E-03
SB-216	N	1	3	10/18/21	INORG	Nickel	7440-02-0	9.20E+00		7.80E-01	2.2E+04	1.5E+03	4.2E-04	6.1E-03
SB-216	N	1	3	10/18/21	INORG	Selenium	7782-49-2		U	3.90E+00	5.8E+03	3.9E+02		
SB-216	N	1	3	10/18/21	INORG	Silver	7440-22-4		U	3.90E-01	5.8E+03	3.9E+02		
SB-216	N	1	3	10/18/21	INORG	Thallium	7440-28-0		U	1.90E+00	1.2E+01	7.8E-01		
SB-216	N	1	3	10/18/21	INORG	Vanadium	7440-62-2	3.00E+01		7.80E-01	5.8E+03	3.9E+02	5.2E-03	7.7E-02
SB-216	N	1	3	10/18/21	INORG	Zinc	7440-66-6	2.50E+01		7.80E-01	3.5E+05	2.3E+04	7.1E-05	1.1E-03
SB-221	N		1	10/05/21	PCB	PCBs (total)	1336-36-3		U	9.00E-02	9.7E+00	1.2E+00		
SB-221	N	4	5	10/05/21	PCB	PCBs (total)	1336-36-3		U	9.40E-02	9.7E+00	1.2E+00		
SB-222	N		1	10/19/21	PCB	PCBs (total)	1336-36-3		U	9.00E-02	9.7E+00	1.2E+00		
SB-222	N	2	5	10/19/21	PCB	PCBs (total)	1336-36-3		U	9.10E-02	9.7E+00	1.2E+00		
SB-224	N		1	10/21/21	VOC	Acetone	67-64-1	4.90E+00	J	1.60E+01	1.1E+06	7.0E+04	4.5E-06	7.0E-05
SB-224	N		1	10/21/21	VOC	Acrylonitrile	107-13-1		U	1.60E+00	1.1E+01	2.5E+00		
SB-224	N		1	10/21/21	VOC	Benzene	71-43-2	1.50E+00		3.20E-01	5.1E+01	1.2E+01	2.9E-02	1.3E-01
SB-224	N		1	10/21/21	VOC	Bromobenzene	108-86-1		U	3.20E-01	1.8E+03	2.9E+02		
SB-224	N		1	10/21/21	VOC	Bromochloromethane	74-97-5		U	3.20E-01	6.3E+02	1.5E+02		
SB-224	N		1	10/21/21	VOC	Bromodichloromethane	75-27-4		U	3.20E-01	1.3E+01	2.9E+00		
SB-224	N		1	10/21/21	VOC	Bromoform	75-25-2		U	3.20E-01	8.6E+02	1.9E+02		
SB-224	N		1	10/21/21	VOC	Bromomethane	74-83-9		U	6.50E-01	3.0E+01	6.8E+00		
SB-224	N		1	10/21/21	VOC	2-Butanone	78-93-3	1.80E+00	J	6.50E+00	1.9E+05	2.7E+04	9.5E-06	6.7E-05
SB-224	N		1	10/21/21	VOC	n-Butylbenzene	104-51-8	4.30E-01		3.20E-01	5.8E+04	3.9E+03	7.4E-06	1.1E-04
SB-224	N		1	10/21/21	VOC	sec-Butylbenzene	135-98-8	1.90E-01	J	3.20E-01	1.2E+05	7.8E+03	1.6E-06	2.4E-05
SB-224	N		1	10/21/21	VOC	tert-Butylbenzene	98-06-6		U	3.20E-01	1.2E+05	7.8E+03		
SB-224	N		1	10/21/21	VOC	Carbon Disulfide	75-15-0		U	1.60E+00	3.5E+03	7.7E+02		
SB-224	N		1	10/21/21	VOC	Carbon Tetrachloride	56-23-5		U	3.20E-01	2.9E+01	6.5E+00		
SB-224	N		1	10/21/21	VOC	Chlorobenzene	108-90-7		U	3.20E-01	1.3E+03	2.8E+02		

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-224	N		1	10/21/21	VOC	Chloroethane	75-00-3		U	6.50E-01	2.3E+04		5.4E+03	
SB-224	N		1	10/21/21	VOC	Chloroform	67-66-3		U	6.50E-01	1.4E+01		3.2E+00	
SB-224	N		1	10/21/21	VOC	Chloromethane	74-87-3		U	6.50E-01	4.6E+02		1.1E+02	
SB-224	N		1	10/21/21	VOC	2-Chlorotoluene	95-49-8		U	3.20E-01	2.3E+04		1.6E+03	
SB-224	N		1	10/21/21	VOC	4-Chlorotoluene	106-43-4		U	3.20E-01	2.3E+04		1.6E+03	
SB-224	N		1	10/21/21	VOC	Cumene	98-82-8	4.90E-01		3.20E-01	9.9E+03	4.9E-05	1.9E+03	2.6E-04
SB-224	N		1	10/21/21	VOC	p-Cymene	99-87-6	3.00E-01	J	3.20E-01				
SB-224	N		1	10/21/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8		U	1.60E+00	6.4E-01		5.3E-02	
SB-224	N		1	10/21/21	VOC	Dibromochloromethane	124-48-1		U	1.60E-01	3.9E+02		8.3E+01	
SB-224	N		1	10/21/21	VOC	1,2-Dibromoethane	106-93-4		U	1.60E-01	1.6E+00		3.6E-01	
SB-224	N		1	10/21/21	VOC	Dibromomethane	74-95-3		U	3.20E-01	9.9E+01		2.4E+01	
SB-224	N		1	10/21/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6		U	6.50E-01	3.2E-01		7.4E-02	
SB-224	N		1	10/21/21	VOC	1,2-Dichlorobenzene	95-50-1		U	3.20E-01	9.3E+03		1.8E+03	
SB-224	N		1	10/21/21	VOC	1,3-Dichlorobenzene	541-73-1		U	3.20E-01	1.1E+02		2.6E+01	
SB-224	N		1	10/21/21	VOC	1,4-Dichlorobenzene	106-46-7		U	3.20E-01	1.1E+02		2.6E+01	
SB-224	N		1	10/21/21	VOC	Dichlorodifluoromethane	75-71-8		U	6.50E-01	3.7E+02		8.7E+01	
SB-224	N		1	10/21/21	VOC	1,1-Dichloroethane	75-34-3		U	3.20E-01	1.6E+02		3.6E+01	
SB-224	N		1	10/21/21	VOC	1,2-Dichloroethane	107-06-2		U	3.20E-01	2.0E+01		4.6E+00	
SB-224	N		1	10/21/21	VOC	1,1-Dichloroethene	75-35-4		U	3.20E-01	1.0E+03		2.3E+02	
SB-224	N		1	10/21/21	VOC	cis-1,2-Dichloroethene	156-59-2		U	3.20E-01	3.7E+02		6.3E+01	
SB-224	N		1	10/21/21	VOC	trans-1,2-Dichloroethene	156-60-5		U	3.20E-01	3.0E+02		7.0E+01	
SB-224	N		1	10/21/21	VOC	1,2-Dichloropropane	78-87-5		U	3.20E-01	6.6E+01		1.6E+01	
SB-224	N		1	10/21/21	VOC	1,3-Dichloropropane	142-28-9		U	1.60E-01	2.3E+04		1.6E+03	
SB-224	N		1	10/21/21	VOC	2,2-Dichloropropane	594-20-7		U	3.20E-01				
SB-224	N		1	10/21/21	VOC	1,1-Dichloropropene	563-58-6		U	6.50E-01				
SB-224	N		1	10/21/21	VOC	1,3-Dichloropropene (total)	542-75-6		U	1.60E-01	8.2E+01		1.8E+01	
SB-224	N		1	10/21/21	VOC	1,4-Dioxane	123-91-1		U	1.60E+01	2.4E+02		5.3E+01	
SB-224	N		1	10/21/21	VOC	Ethyl tert-butyl ether	637-92-3		U	1.60E-01	5.6E+03		1.3E+03	
SB-224	N		1	10/21/21	VOC	Ethyl Benzene	100-41-4	1.40E+00		3.20E-01	2.5E+02	5.6E-03	5.8E+01	2.4E-02
SB-224	N		1	10/21/21	VOC	Diethyl ether	60-29-7		U	6.50E-01	2.3E+05		1.6E+04	
SB-224	N		1	10/21/21	VOC	2-Hexanone	591-78-6		U	3.20E+00	1.3E+03		2.0E+02	
SB-224	N		1	10/21/21	VOC	Methyl Acetate	79-20-9	9.50E-01	J	3.20E+00	1.2E+06	7.9E-07	7.8E+04	1.2E-05
SB-224	N		1	10/21/21	VOC	Methyl tert-butyl ether	1634-04-4		U	3.20E-01	2.1E+03		4.7E+02	
SB-224	N		1	10/21/21	VOC	4-Methyl-2-pentanone	108-10-1		U	3.20E+00	1.4E+05		3.3E+04	
SB-224	N		1	10/21/21	VOC	Methylcyclohexane	108-87-2	2.20E+01		3.20E-01	2.7E+04	8.1E-04	6.5E+03	3.4E-03
SB-224	N		1	10/21/21	VOC	Methylene Chloride	75-09-2		U	1.60E+00	3.2E+03		3.5E+02	
SB-224	N		1	10/21/21	VOC	Diisopropyl ether	108-20-3		U	1.60E-01	9.4E+03		2.2E+03	
SB-224	N		1	10/21/21	VOC	n-Propylbenzene	103-65-1	7.00E-01		3.20E-01	2.4E+04	2.9E-05	3.8E+03	1.8E-04
SB-224	N		1	10/21/21	VOC	Styrene	100-42-5		U	3.20E-01	3.5E+04		6.0E+03	
SB-224	N		1	10/21/21	VOC	tert-Butyl alcohol	75-65-0		U	6.50E+00	6.5E+04		1.4E+04	
SB-224	N		1	10/21/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6		U	3.20E-01	8.8E+01		2.0E+01	
SB-224	N		1	10/21/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5		U	1.60E-01	2.7E+01		6.0E+00	
SB-224	N		1	10/21/21	VOC	Tetrachloroethene	127-18-4		U	3.20E-01	3.9E+02		8.1E+01	
SB-224	N		1	10/21/21	VOC	Tetrahydrofuran	109-99-9		U	3.20E+00	9.5E+04		1.8E+04	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-224	N		1	10/21/21	VOC	Toluene	108-88-3	1.30E+01		3.20E-01	4.7E+04	2.8E-04	4.9E+03	2.7E-03
SB-224	N		1	10/21/21	VOC	1,2,3-Trichlorobenzene	87-61-6		U	1.60E+00	9.3E+02		6.3E+01	
SB-224	N		1	10/21/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	3.20E-01	2.6E+02		5.8E+01	
SB-224	N		1	10/21/21	VOC	1,3,5-Trichlorobenzene	108-70-3		U	3.20E-01				
SB-224	N		1	10/21/21	VOC	1,1,1-Trichloroethane	71-55-6		U	3.20E-01	3.6E+04		8.1E+03	
SB-224	N		1	10/21/21	VOC	1,1,2-Trichloroethane	79-00-5		U	3.20E-01	6.3E+00		1.5E+00	
SB-224	N		1	10/21/21	VOC	Trichloroethene	79-01-6		U	3.20E-01	1.9E+01		4.1E+00	
SB-224	N		1	10/21/21	VOC	Trichlorofluoromethane	75-69-4		U	6.50E-01	3.5E+05		2.3E+04	
SB-224	N		1	10/21/21	VOC	1,2,3-Trichloropropane	96-18-4		U	6.50E-01	1.1E+00		5.1E-02	
SB-224	N		1	10/21/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		U	3.20E-01	2.8E+04		6.7E+03	
SB-224	N		1	10/21/21	VOC	1,2,4-Trimethylbenzene	95-63-6	4.40E+00		3.20E-01	1.8E+03	2.4E-03	3.0E+02	1.5E-02
SB-224	N		1	10/21/21	VOC	1,3,5-Trimethylbenzene	108-67-8	1.30E+00		3.20E-01	1.5E+03	8.7E-04	2.7E+02	4.8E-03
SB-224	N		1	10/21/21	VOC	Vinyl Chloride	75-01-4		U	6.50E-01	1.7E+01		5.9E-01	
SB-224	N		1	10/21/21	VOC	Xylenes (total)	1330-20-7	1.95E+01		6.50E-01	2.5E+03	7.8E-03	5.8E+02	3.4E-02
SB-224	N		1	10/21/21	SVOC	Acenaphthene	83-32-9	1.70E-01	J	1.90E-01	4.5E+04	3.8E-06	3.6E+03	4.7E-05
SB-224	N		1	10/21/21	SVOC	Acenaphthylene	208-96-8	2.90E-01		1.90E-01	2.3E+04	1.3E-05	1.8E+03	1.6E-04
SB-224	N		1	10/21/21	SVOC	Acetophenone	98-86-2	5.60E-01		3.80E-01	1.2E+05	4.7E-06	7.8E+03	7.2E-05
SB-224	N		1	10/21/21	SVOC	t-Amyl methyl ether	994-05-8		U	1.60E-01				
SB-224	N		1	10/21/21	SVOC	Aniline	62-53-3		U	3.80E-01	4.0E+03		4.4E+02	
SB-224	N		1	10/21/21	SVOC	Anthracene	120-12-7	4.10E-01		1.90E-01	2.3E+05	1.8E-06	1.8E+04	2.3E-05
SB-224	N		1	10/21/21	SVOC	Benzidine	92-87-5		U	7.40E-01	1.0E-01		5.3E-03	
SB-224	N		1	10/21/21	SVOC	Benzo(a)anthracene	56-55-3	1.50E+00		1.90E-01	2.1E+02	7.1E-03	1.1E+01	1.4E-01
SB-224	N		1	10/21/21	SVOC	Benzo(a)pyrene	50-32-8	7.10E-01		1.90E-01	2.1E+01	3.4E-02	1.1E+00	6.5E-01
SB-224	N		1	10/21/21	SVOC	Benzo(b)fluoranthene	205-99-2	2.80E+00		1.90E-01	2.1E+02	1.3E-02	1.1E+01	2.5E-01
SB-224	N		1	10/21/21	SVOC	Benzo(g,h,i)perylene	191-24-2	5.00E-01		1.90E-01	2.3E+04	2.2E-05	1.8E+03	2.8E-04
SB-224	N		1	10/21/21	SVOC	Benzo(k)fluoranthene	207-08-9	1.00E+00		1.90E-01	2.1E+03	4.8E-04	1.1E+02	9.1E-03
SB-224	N		1	10/21/21	SVOC	Benzoic Acid	65-85-0	1.20E+00		1.10E+00	3.3E+06	3.6E-07	2.5E+05	4.8E-06
SB-224	N		1	10/21/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	3.80E-01	2.5E+03		1.9E+02	
SB-224	N		1	10/21/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	3.80E-01	1.0E+01		2.3E+00	
SB-224	N		1	10/21/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	1.20E-01	J	3.80E-01	1.6E+03	7.5E-05	3.9E+02	3.1E-04
SB-224	N		1	10/21/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	3.80E-01				
SB-224	N		1	10/21/21	SVOC	Butylbenzylphthalate	85-68-7		U	3.80E-01	1.2E+04		2.9E+03	
SB-224	N		1	10/21/21	SVOC	Carbazole	86-74-8	4.60E-01		1.90E-01	3.0E+04	1.5E-05	2.4E+03	1.9E-04
SB-224	N		1	10/21/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.40E-01	8.2E+04		6.3E+03	
SB-224	N		1	10/21/21	SVOC	4-Chloroaniline	106-47-8		U	7.40E-01	1.1E+02		2.7E+01	
SB-224	N		1	10/21/21	SVOC	2-Chloronaphthalene	91-58-7		U	3.80E-01	6.0E+04		4.8E+03	
SB-224	N		1	10/21/21	SVOC	2-Chlorophenol	95-57-8		U	3.80E-01	5.8E+03		3.9E+02	
SB-224	N		1	10/21/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	3.80E-01				
SB-224	N		1	10/21/21	SVOC	Chrysene	218-01-9	2.90E+00		1.90E-01	2.1E+04	1.4E-04	1.1E+03	2.6E-03
SB-224	N		1	10/21/21	SVOC	Dibenz(a,h)anthracene	53-70-3	2.40E-01		1.90E-01	2.1E+01	1.1E-02	1.1E+00	2.2E-01
SB-224	N		1	10/21/21	SVOC	Dibenzofuran	132-64-9	3.60E+00		3.80E-01	1.2E+03	3.0E-03	7.8E+01	4.6E-02
SB-224	N		1	10/21/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	1.90E-01	5.1E+01		1.2E+01	
SB-224	N		1	10/21/21	SVOC	2,4-Dichlorophenol	120-83-2		U	3.80E-01	2.5E+03		1.9E+02	
SB-224	N		1	10/21/21	SVOC	Diethylphthalate	84-66-2		U	3.80E-01	6.6E+05		5.1E+04	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-224	N		1	10/21/21	SVOC	2,4-Dimethylphenol	105-67-9	1.40E-01	J	3.80E-01	1.6E+04	8.8E-06	1.3E+03	1.1E-04
SB-224	N		1	10/21/21	SVOC	Dimethylphthalate	131-11-3		U	3.80E-01	6.6E+05		5.1E+04	
SB-224	N		1	10/21/21	SVOC	Di-n-butylphthalate	84-74-2		U	3.80E-01	8.2E+04		6.3E+03	
SB-224	N		1	10/21/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	3.80E-01	6.6E+01		5.1E+00	
SB-224	N		1	10/21/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.40E-01	1.6E+03		1.3E+02	
SB-224	N		1	10/21/21	SVOC	Di-n-octylphthalate	117-84-0		U	3.80E-01	8.2E+03		6.3E+02	
SB-224	N		1	10/21/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	3.80E-01	2.9E+01		6.8E+00	
SB-224	N		1	10/21/21	SVOC	Fluoranthene	206-44-0	2.60E+00		1.90E-01	3.0E+04	8.7E-05	2.4E+03	1.1E-03
SB-224	N		1	10/21/21	SVOC	Fluorene	86-73-7	2.20E-01		1.90E-01	3.0E+04	7.3E-06	2.4E+03	9.2E-05
SB-224	N		1	10/21/21	SVOC	Hexachlorobenzene	118-74-1		U	3.80E-01	9.6E+00		7.8E-01	
SB-224	N		1	10/21/21	SVOC	Hexachlorobutadiene	87-68-3		U	3.20E-01	5.3E+01		1.2E+01	
SB-224	N		1	10/21/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	3.80E-01	7.5E+00		1.8E+00	
SB-224	N		1	10/21/21	SVOC	Hexachloroethane	67-72-1		U	3.80E-01	8.0E+01		1.8E+01	
SB-224	N		1	10/21/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	6.20E-01		1.90E-01	2.1E+02	3.0E-03	1.1E+01	5.6E-02
SB-224	N		1	10/21/21	SVOC	Isophorone	78-59-1		U	3.80E-01	2.4E+04		5.7E+03	
SB-224	N		1	10/21/21	SVOC	1-Methylnaphthalene	90-12-0	9.80E+00		9.60E-01	7.3E+02	1.3E-02	1.8E+02	5.4E-02
SB-224	N		1	10/21/21	SVOC	2-Methylnaphthalene	91-57-6	1.60E+01		9.60E-01	3.0E+03	5.3E-03	2.4E+02	6.7E-02
SB-224	N		1	10/21/21	SVOC	2-Methylphenol	95-48-7	8.50E-02	J	3.80E-01	4.1E+04	2.1E-06	3.2E+03	2.7E-05
SB-224	N		1	10/21/21	SVOC	3&4-Methylphenol	65794-96-9	8.80E-02	J	3.80E-01				
SB-224	N		1	10/21/21	SVOC	Naphthalene	91-20-3	1.10E+01		9.60E-01	8.6E+01	1.3E-01	2.0E+01	5.5E-01
SB-224	N		1	10/21/21	SVOC	2-Nitroaniline	88-74-4		U	3.80E-01	8.0E+03		6.3E+02	
SB-224	N		1	10/21/21	SVOC	3-Nitroaniline	99-09-2		U	3.80E-01	1.1E+03		2.5E+02	
SB-224	N		1	10/21/21	SVOC	4-Nitroaniline	100-01-6		U	3.80E-01	1.1E+03		2.5E+02	
SB-224	N		1	10/21/21	SVOC	2-Nitrophenol	88-75-5		U	3.80E-01				
SB-224	N		1	10/21/21	SVOC	4-Nitrophenol	100-02-7		U	7.40E-01				
SB-224	N		1	10/21/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	3.80E-01	3.4E-01		2.0E-02	
SB-224	N		1	10/21/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	3.80E-01	4.7E+03		1.1E+03	
SB-224	N		1	10/21/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	3.80E-01	3.3E+00		7.8E-01	
SB-224	N		1	10/21/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	3.80E-01	4.7E+04		3.1E+03	
SB-224	N		1	10/21/21	SVOC	Pentachloronitrobenzene	82-68-8		U	3.80E-01	1.3E+02		2.7E+01	
SB-224	N		1	10/21/21	SVOC	Pentachlorophenol	87-86-5		U	3.80E-01	4.0E+01		1.0E+01	
SB-224	N		1	10/21/21	SVOC	Phenanthrene	85-01-8	7.00E+00		9.60E-01	2.3E+04	3.0E-04	1.8E+03	3.9E-03
SB-224	N		1	10/21/21	SVOC	Phenol	108-95-2		U	3.80E-01	2.5E+05		1.9E+04	
SB-224	N		1	10/21/21	SVOC	Pyrene	129-00-0	2.90E+00		1.90E-01	2.3E+04	1.3E-04	1.8E+03	1.6E-03
SB-224	N		1	10/21/21	SVOC	Pyridine	110-86-1		U	3.80E-01	1.2E+03		7.8E+01	
SB-224	N		1	10/21/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	3.80E-01	3.5E+01		2.3E+00	
SB-224	N		1	10/21/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	3.80E-01	8.2E+04		6.3E+03	
SB-224	N		1	10/21/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	3.80E-01	8.2E+02		6.3E+01	
SB-224	N		1	10/21/21	PCB	PCBs (total)	1336-36-3		U	9.00E-02	9.7E+00		1.2E+00	
SB-224	N		1	10/21/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	3.80E-01	7.4E+01		1.7E+01	
SB-224	N		1	10/21/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	3.80E-01	1.5E+01		3.6E+00	
SB-224	N		1	10/21/21	NITRO	Nitrobenzene	98-95-3		U	3.80E-01	2.2E+02		5.1E+01	
SB-224	N		1	10/21/21	INORG	Aluminum	7429-90-5	1.20E+03		1.80E+01	1.1E+06	1.1E-03	7.7E+04	1.6E-02
SB-224	N		1	10/21/21	INORG	Antimony	7440-36-0		U	1.80E+00	4.7E+02		3.1E+01	



**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-224	N		1	10/21/21	INORG	Arsenic	7440-38-2	9.90E+00		3.70E+00	3.0E+01	3.3E-01	6.8E+00	1.5E+00
SB-224	N		1	10/21/21	INORG	Barium	7440-39-3	8.10E+01		1.80E+00	2.2E+05	3.7E-04	1.5E+04	5.4E-03
SB-224	N		1	10/21/21	INORG	Beryllium	7440-41-7	1.50E+00		1.80E-01	2.3E+03	6.5E-04	1.6E+02	9.4E-03
SB-224	N		1	10/21/21	INORG	Cadmium	7440-43-9	2.10E-01	J	3.70E-01	1.0E+02	2.1E-03	7.1E+00	3.0E-02
SB-224	N		1	10/21/21	INORG	Chromium (total)	7440-47-3	1.40E+01		7.30E-01	1.8E+06	7.8E-06	1.2E+05	1.2E-04
SB-224	N		1	10/21/21	INORG	Cobalt	7440-48-4	5.90E+00		1.80E+00	3.5E+02	1.7E-02	2.3E+01	2.6E-01
SB-224	N		1	10/21/21	INORG	Copper	7440-50-8	2.70E+01		7.30E-01	4.7E+04	5.7E-04	3.1E+03	8.7E-03
SB-224	N		1	10/21/21	INORG	Cyanide (total)	57-12-5		U	5.20E-01	1.5E+02		2.3E+01	
SB-224	N		1	10/21/21	INORG	Iron	7439-89-6	1.10E+04		1.80E+01	8.2E+05	1.3E-02	5.5E+04	2.0E-01
SB-224	N		1	10/21/21	INORG	Lead	7439-92-1	2.80E+01		5.50E-01	8.0E+02	3.5E-02	2.0E+02	1.4E-01
SB-224	N		1	10/21/21	INORG	Manganese	7439-96-5	7.60E+01		3.70E-01	2.6E+04	2.9E-03	1.8E+03	4.2E-02
SB-224	N		1	10/21/21	INORG	Mercury	7439-97-6	2.30E-02	J	2.90E-02	4.1E+01	5.7E-04	7.4E+00	3.1E-03
SB-224	N		1	10/21/21	INORG	Nickel	7440-02-0	1.30E+01		7.30E-01	2.2E+04	5.9E-04	1.5E+03	8.7E-03
SB-224	N		1	10/21/21	INORG	Selenium	7782-49-2		U	3.70E+00	5.8E+03		3.9E+02	
SB-224	N		1	10/21/21	INORG	Silver	7440-22-4		U	3.70E-01	5.8E+03		3.9E+02	
SB-224	N		1	10/21/21	INORG	Thallium	7440-28-0		U	1.80E+00	1.2E+01		7.8E-01	
SB-224	N		1	10/21/21	INORG	Vanadium	7440-62-2	1.50E+01		7.30E-01	5.8E+03	2.6E-03	3.9E+02	3.8E-02
SB-224	N		1	10/21/21	INORG	Zinc	7440-66-6	5.40E+01		7.30E-01	3.5E+05	1.5E-04	2.3E+04	2.3E-03
SB-225	N		1	10/21/21	VOC	Acetone	67-64-1	1.60E+00	J	5.40E+00	1.1E+06	1.5E-06	7.0E+04	2.3E-05
SB-225	N		1	10/21/21	VOC	Acrylonitrile	107-13-1		U	5.40E-01	1.1E+01		2.5E+00	
SB-225	N		1	10/21/21	VOC	Benzene	71-43-2	3.80E-01		1.10E-01	5.1E+01	7.5E-03	1.2E+01	3.2E-02
SB-225	N		1	10/21/21	VOC	Bromobenzene	108-86-1		U	1.10E-01	1.8E+03		2.9E+02	
SB-225	N		1	10/21/21	VOC	Bromochloromethane	74-97-5		U	1.10E-01	6.3E+02		1.5E+02	
SB-225	N		1	10/21/21	VOC	Bromodichloromethane	75-27-4		U	1.10E-01	1.3E+01		2.9E+00	
SB-225	N		1	10/21/21	VOC	Bromoform	75-25-2		U	1.10E-01	8.6E+02		1.9E+02	
SB-225	N		1	10/21/21	VOC	Bromomethane	74-83-9		U	2.20E-01	3.0E+01		6.8E+00	
SB-225	N		1	10/21/21	VOC	2-Butanone	78-93-3	5.10E-01	J	2.20E+00	1.9E+05	2.7E-06	2.7E+04	1.9E-05
SB-225	N		1	10/21/21	VOC	n-Butylbenzene	104-51-8	5.60E-02	J	1.10E-01	5.8E+04	9.7E-07	3.9E+03	1.4E-05
SB-225	N		1	10/21/21	VOC	sec-Butylbenzene	135-98-8	4.10E-02	J	1.10E-01	1.2E+05	3.4E-07	7.8E+03	5.3E-06
SB-225	N		1	10/21/21	VOC	tert-Butylbenzene	98-06-6		U	1.10E-01	1.2E+05		7.8E+03	
SB-225	N		1	10/21/21	VOC	Carbon Disulfide	75-15-0		U	5.40E-01	3.5E+03		7.7E+02	
SB-225	N		1	10/21/21	VOC	Carbon Tetrachloride	56-23-5		U	1.10E-01	2.9E+01		6.5E+00	
SB-225	N		1	10/21/21	VOC	Chlorobenzene	108-90-7		U	1.10E-01	1.3E+03		2.8E+02	
SB-225	N		1	10/21/21	VOC	Chloroethane	75-00-3		U	2.20E-01	2.3E+04		5.4E+03	
SB-225	N		1	10/21/21	VOC	Chloroform	67-66-3		U	2.20E-01	1.4E+01		3.2E+00	
SB-225	N		1	10/21/21	VOC	Chloromethane	74-87-3		U	2.20E-01	4.6E+02		1.1E+02	
SB-225	N		1	10/21/21	VOC	2-Chlorotoluene	95-49-8		U	1.10E-01	2.3E+04		1.6E+03	
SB-225	N		1	10/21/21	VOC	4-Chlorotoluene	106-43-4		U	1.10E-01	2.3E+04		1.6E+03	
SB-225	N		1	10/21/21	VOC	Cumene	98-82-8	1.40E-01		1.10E-01	9.9E+03	1.4E-05	1.9E+03	7.4E-05
SB-225	N		1	10/21/21	VOC	p-Cymene	99-87-6	5.70E-02	J	1.10E-01				
SB-225	N		1	10/21/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8		U	5.40E-01	6.4E-01		5.3E-02	
SB-225	N		1	10/21/21	VOC	Dibromochloromethane	124-48-1		U	5.40E-02	3.9E+02		8.3E+01	
SB-225	N		1	10/21/21	VOC	1,2-Dibromoethane	106-93-4		U	5.40E-02	1.6E+00		3.6E-01	
SB-225	N		1	10/21/21	VOC	Dibromomethane	74-95-3		U	1.10E-01	9.9E+01		2.4E+01	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Ratio of Conc to Residential RSLs
SB-225	N		1	10/21/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6		U	2.20E-01	3.2E-01	7.4E-02		
SB-225	N		1	10/21/21	VOC	1,2-Dichlorobenzene	95-50-1		U	1.10E-01	9.3E+03	1.8E+03		
SB-225	N		1	10/21/21	VOC	1,3-Dichlorobenzene	541-73-1		U	1.10E-01	1.1E+02	2.6E+01		
SB-225	N		1	10/21/21	VOC	1,4-Dichlorobenzene	106-46-7		U	1.10E-01	1.1E+02	2.6E+01		
SB-225	N		1	10/21/21	VOC	Dichlorodifluoromethane	75-71-8		U	2.20E-01	3.7E+02	8.7E+01		
SB-225	N		1	10/21/21	VOC	1,1-Dichloroethane	75-34-3		U	1.10E-01	1.6E+02	3.6E+01		
SB-225	N		1	10/21/21	VOC	1,2-Dichloroethane	107-06-2		U	1.10E-01	2.0E+01	4.6E+00		
SB-225	N		1	10/21/21	VOC	1,1-Dichloroethene	75-35-4		U	1.10E-01	1.0E+03	2.3E+02		
SB-225	N		1	10/21/21	VOC	cis-1,2-Dichloroethene	156-59-2		U	1.10E-01	3.7E+02	6.3E+01		
SB-225	N		1	10/21/21	VOC	trans-1,2-Dichloroethene	156-60-5		U	1.10E-01	3.0E+02	7.0E+01		
SB-225	N		1	10/21/21	VOC	1,2-Dichloropropane	78-87-5		U	1.10E-01	6.6E+01	1.6E+01		
SB-225	N		1	10/21/21	VOC	1,3-Dichloropropane	142-28-9		U	5.40E-02	2.3E+04	1.6E+03		
SB-225	N		1	10/21/21	VOC	2,2-Dichloropropane	594-20-7		U	1.10E-01				
SB-225	N		1	10/21/21	VOC	1,1-Dichloropropene	563-58-6		U	2.20E-01				
SB-225	N		1	10/21/21	VOC	1,3-Dichloropropene (total)	542-75-6		U	5.40E-02	8.2E+01	1.8E+01		
SB-225	N		1	10/21/21	VOC	1,4-Dioxane	123-91-1		U	5.40E+00	2.4E+02	5.3E+01		
SB-225	N		1	10/21/21	VOC	Ethyl tert-butyl ether	637-92-3		U	5.40E-02	5.6E+03	1.3E+03		
SB-225	N		1	10/21/21	VOC	Ethyl Benzene	100-41-4	4.70E-01		1.10E-01	2.5E+02	5.8E+01	1.9E-03	8.1E-03
SB-225	N		1	10/21/21	VOC	Diethyl ether	60-29-7		U	2.20E-01	2.3E+05	1.6E+04		
SB-225	N		1	10/21/21	VOC	2-Hexanone	591-78-6		U	1.10E+00	1.3E+03	2.0E+02		
SB-225	N		1	10/21/21	VOC	Methyl Acetate	79-20-9	6.50E-01	J	1.10E+00	1.2E+06	7.8E+04	5.4E-07	8.3E-06
SB-225	N		1	10/21/21	VOC	Methyl tert-butyl ether	1634-04-4		U	1.10E-01	2.1E+03	4.7E+02		
SB-225	N		1	10/21/21	VOC	4-Methyl-2-pentanone	108-10-1		U	1.10E+00	1.4E+05	3.3E+04		
SB-225	N		1	10/21/21	VOC	Methylcyclohexane	108-87-2	5.30E+00		1.10E-01	2.7E+04	6.5E+03	2.0E-04	8.2E-04
SB-225	N		1	10/21/21	VOC	Methylene Chloride	75-09-2		U	5.40E-01	3.2E+03	3.5E+02		
SB-225	N		1	10/21/21	VOC	Diisopropyl ether	108-20-3		U	5.40E-02	9.4E+03	2.2E+03		
SB-225	N		1	10/21/21	VOC	n-Propylbenzene	103-65-1	1.30E-01		1.10E-01	2.4E+04	3.8E+03	5.4E-06	3.4E-05
SB-225	N		1	10/21/21	VOC	Styrene	100-42-5		U	1.10E-01	3.5E+04	6.0E+03		
SB-225	N		1	10/21/21	VOC	tert-Butyl alcohol	75-65-0		U	2.20E+00	6.5E+04	1.4E+04		
SB-225	N		1	10/21/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6		U	1.10E-01	8.8E+01	2.0E+01		
SB-225	N		1	10/21/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5		U	5.40E-02	2.7E+01	6.0E+00		
SB-225	N		1	10/21/21	VOC	Tetrachloroethene	127-18-4		U	1.10E-01	3.9E+02	8.1E+01		
SB-225	N		1	10/21/21	VOC	Tetrahydrofuran	109-99-9		U	1.10E+00	9.5E+04	1.8E+04		
SB-225	N		1	10/21/21	VOC	Toluene	108-88-3	3.20E+00		1.10E-01	4.7E+04	4.9E+03	6.8E-05	6.5E-04
SB-225	N		1	10/21/21	VOC	1,2,3-Trichlorobenzene	87-61-6		U	5.40E-01	9.3E+02	6.3E+01		
SB-225	N		1	10/21/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	1.10E-01	2.6E+02	5.8E+01		
SB-225	N		1	10/21/21	VOC	1,3,5-Trichlorobenzene	108-70-3		U	1.10E-01				
SB-225	N		1	10/21/21	VOC	1,1,1-Trichloroethane	71-55-6		U	1.10E-01	3.6E+04	8.1E+03		
SB-225	N		1	10/21/21	VOC	1,1,2-Trichloroethane	79-00-5		U	1.10E-01	6.3E+00	1.5E+00		
SB-225	N		1	10/21/21	VOC	Trichloroethene	79-01-6		U	1.10E-01	1.9E+01	4.1E+00		
SB-225	N		1	10/21/21	VOC	Trichlorofluoromethane	75-69-4		U	2.20E-01	3.5E+05	2.3E+04		
SB-225	N		1	10/21/21	VOC	1,2,3-Trichloropropane	96-18-4		U	2.20E-01	1.1E+00	5.1E-02		
SB-225	N		1	10/21/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		U	1.10E-01	2.8E+04	6.7E+03		
SB-225	N		1	10/21/21	VOC	1,2,4-Trimethylbenzene	95-63-6	9.60E-01		1.10E-01	1.8E+03	3.0E+02	5.3E-04	3.2E-03

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-225	N		1	10/21/21	VOC	1,3,5-Trimethylbenzene	108-67-8	3.10E-01		1.10E-01	1.5E+03	2.1E-04	2.7E+02	1.1E-03
SB-225	N		1	10/21/21	VOC	Vinyl Chloride	75-01-4		U	2.20E-01	1.7E+01		5.9E-01	
SB-225	N		1	10/21/21	VOC	Xylenes (total)	1330-20-7	4.40E+00		2.20E-01	2.5E+03	1.8E-03	5.8E+02	7.6E-03
SB-225	N		1	10/21/21	SVOC	Acenaphthene	83-32-9	1.30E-01	J	2.60E-01	4.5E+04	2.9E-06	3.6E+03	3.6E-05
SB-225	N		1	10/21/21	SVOC	Acenaphthylene	208-96-8	1.10E-01	J	2.60E-01	2.3E+04	4.8E-06	1.8E+03	6.1E-05
SB-225	N		1	10/21/21	SVOC	Acetophenone	98-86-2		U	5.10E-01	1.2E+05		7.8E+03	
SB-225	N		1	10/21/21	SVOC	t-Amyl methyl ether	994-05-8		U	5.40E-02				
SB-225	N		1	10/21/21	SVOC	Aniline	62-53-3		U	5.10E-01	4.0E+03		4.4E+02	
SB-225	N		1	10/21/21	SVOC	Anthracene	120-12-7	1.40E-01	J	2.60E-01	2.3E+05	6.1E-07	1.8E+04	7.8E-06
SB-225	N		1	10/21/21	SVOC	Benzidine	92-87-5		U	9.90E-01	1.0E-01		5.3E-03	
SB-225	N		1	10/21/21	SVOC	Benzo(a)anthracene	56-55-3	5.80E-01		2.60E-01	2.1E+02	2.8E-03	1.1E+01	5.3E-02
SB-225	N		1	10/21/21	SVOC	Benzo(a)pyrene	50-32-8	2.50E-01	J	2.60E-01	2.1E+01	1.2E-02	1.1E+00	2.3E-01
SB-225	N		1	10/21/21	SVOC	Benzo(b)fluoranthene	205-99-2	7.90E-01		2.60E-01	2.1E+02	3.8E-03	1.1E+01	7.2E-02
SB-225	N		1	10/21/21	SVOC	Benzo(g,h,i)perylene	191-24-2	2.50E-01	J	2.60E-01	2.3E+04	1.1E-05	1.8E+03	1.4E-04
SB-225	N		1	10/21/21	SVOC	Benzo(k)fluoranthene	207-08-9	2.00E-01	J	2.60E-01	2.1E+03	9.5E-05	1.1E+02	1.8E-03
SB-225	N		1	10/21/21	SVOC	Benzoic Acid	65-85-0		U	1.50E+00	3.3E+06		2.5E+05	
SB-225	N		1	10/21/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	5.10E-01	2.5E+03		1.9E+02	
SB-225	N		1	10/21/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	5.10E-01	1.0E+01		2.3E+00	
SB-225	N		1	10/21/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	3.90E-01	J	5.10E-01	1.6E+03	2.4E-04	3.9E+02	1.0E-03
SB-225	N		1	10/21/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	5.10E-01				
SB-225	N		1	10/21/21	SVOC	Butylbenzylphthalate	85-68-7		U	5.10E-01	1.2E+04		2.9E+03	
SB-225	N		1	10/21/21	SVOC	Carbazole	86-74-8	3.30E-01		2.60E-01	3.0E+04	1.1E-05	2.4E+03	1.4E-04
SB-225	N		1	10/21/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	9.90E-01	8.2E+04		6.3E+03	
SB-225	N		1	10/21/21	SVOC	4-Chloroaniline	106-47-8		U	9.90E-01	1.1E+02		2.7E+01	
SB-225	N		1	10/21/21	SVOC	2-Chloronaphthalene	91-58-7		U	5.10E-01	6.0E+04		4.8E+03	
SB-225	N		1	10/21/21	SVOC	2-Chlorophenol	95-57-8		U	5.10E-01	5.8E+03		3.9E+02	
SB-225	N		1	10/21/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	5.10E-01				
SB-225	N		1	10/21/21	SVOC	Chrysene	218-01-9	1.30E+00		2.60E-01	2.1E+04	6.2E-05	1.1E+03	1.2E-03
SB-225	N		1	10/21/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	2.60E-01	2.1E+01		1.1E+00	
SB-225	N		1	10/21/21	SVOC	Dibenzofuran	132-64-9	2.70E+00		5.10E-01	1.2E+03	2.3E-03	7.8E+01	3.5E-02
SB-225	N		1	10/21/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	2.60E-01	5.1E+01		1.2E+01	
SB-225	N		1	10/21/21	SVOC	2,4-Dichlorophenol	120-83-2		U	5.10E-01	2.5E+03		1.9E+02	
SB-225	N		1	10/21/21	SVOC	Diethylphthalate	84-66-2		U	5.10E-01	6.6E+05		5.1E+04	
SB-225	N		1	10/21/21	SVOC	2,4-Dimethylphenol	105-67-9	2.00E-01	J	5.10E-01	1.6E+04	1.3E-05	1.3E+03	1.5E-04
SB-225	N		1	10/21/21	SVOC	Dimethylphthalate	131-11-3		U	5.10E-01	6.6E+05		5.1E+04	
SB-225	N		1	10/21/21	SVOC	Di-n-butylphthalate	84-74-2		U	5.10E-01	8.2E+04		6.3E+03	
SB-225	N		1	10/21/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	5.10E-01	6.6E+01		5.1E+00	
SB-225	N		1	10/21/21	SVOC	2,4-Dinitrophenol	51-28-5		U	9.90E-01	1.6E+03		1.3E+02	
SB-225	N		1	10/21/21	SVOC	Di-n-octylphthalate	117-84-0		U	5.10E-01	8.2E+03		6.3E+02	
SB-225	N		1	10/21/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	5.10E-01	2.9E+01		6.8E+00	
SB-225	N		1	10/21/21	SVOC	Fluoranthene	206-44-0	1.10E+00		2.60E-01	3.0E+04	3.7E-05	2.4E+03	4.6E-04
SB-225	N		1	10/21/21	SVOC	Fluorene	86-73-7	3.20E-01		2.60E-01	3.0E+04	1.1E-05	2.4E+03	1.3E-04
SB-225	N		1	10/21/21	SVOC	Hexachlorobenzene	118-74-1		U	5.10E-01	9.6E+00		7.8E-01	
SB-225	N		1	10/21/21	SVOC	Hexachlorobutadiene	87-68-3		U	1.10E-01	5.3E+01		1.2E+01	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-225	N		1	10/21/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	5.10E-01	7.5E+00		1.8E+00	
SB-225	N		1	10/21/21	SVOC	Hexachloroethane	67-72-1		U	5.10E-01	8.0E+01		1.8E+01	
SB-225	N		1	10/21/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	1.50E-01	J	2.60E-01	2.1E+02	7.1E-04	1.1E+01	1.4E-02
SB-225	N		1	10/21/21	SVOC	Isophorone	78-59-1		U	5.10E-01	2.4E+04		5.7E+03	
SB-225	N		1	10/21/21	SVOC	1-Methylnaphthalene	90-12-0	8.80E+00		1.30E+00	7.3E+02	1.2E-02	1.8E+02	4.9E-02
SB-225	N		1	10/21/21	SVOC	2-Methylnaphthalene	91-57-6	1.40E+01		1.30E+00	3.0E+03	4.7E-03	2.4E+02	5.8E-02
SB-225	N		1	10/21/21	SVOC	2-Methylphenol	95-48-7	1.30E-01	J	5.10E-01	4.1E+04	3.2E-06	3.2E+03	4.1E-05
SB-225	N		1	10/21/21	SVOC	3&4-Methylphenol	65794-96-9	1.20E-01	J	5.10E-01				
SB-225	N		1	10/21/21	SVOC	Naphthalene	91-20-3	8.20E+00		1.30E+00	8.6E+01	9.5E-02	2.0E+01	4.1E-01
SB-225	N		1	10/21/21	SVOC	2-Nitroaniline	88-74-4		U	5.10E-01	8.0E+03		6.3E+02	
SB-225	N		1	10/21/21	SVOC	3-Nitroaniline	99-09-2		U	5.10E-01	1.1E+03		2.5E+02	
SB-225	N		1	10/21/21	SVOC	4-Nitroaniline	100-01-6		U	5.10E-01	1.1E+03		2.5E+02	
SB-225	N		1	10/21/21	SVOC	2-Nitrophenol	88-75-5		U	5.10E-01				
SB-225	N		1	10/21/21	SVOC	4-Nitrophenol	100-02-7		U	9.90E-01				
SB-225	N		1	10/21/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	5.10E-01	3.4E-01		2.0E-02	
SB-225	N		1	10/21/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	5.10E-01	4.7E+03		1.1E+03	
SB-225	N		1	10/21/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	5.10E-01	3.3E+00		7.8E-01	
SB-225	N		1	10/21/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	5.10E-01	4.7E+04		3.1E+03	
SB-225	N		1	10/21/21	SVOC	Pentachloronitrobenzene	82-68-8		U	5.10E-01	1.3E+02		2.7E+01	
SB-225	N		1	10/21/21	SVOC	Pentachlorophenol	87-86-5		U	5.10E-01	4.0E+01		1.0E+01	
SB-225	N		1	10/21/21	SVOC	Phenanthrene	85-01-8	5.10E+00		2.60E-01	2.3E+04	2.2E-04	1.8E+03	2.8E-03
SB-225	N		1	10/21/21	SVOC	Phenol	108-95-2		U	5.10E-01	2.5E+05		1.9E+04	
SB-225	N		1	10/21/21	SVOC	Pyrene	129-00-0	1.10E+00		2.60E-01	2.3E+04	4.8E-05	1.8E+03	6.1E-04
SB-225	N		1	10/21/21	SVOC	Pyridine	110-86-1		U	5.10E-01	1.2E+03		7.8E+01	
SB-225	N		1	10/21/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	5.10E-01	3.5E+01		2.3E+00	
SB-225	N		1	10/21/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	5.10E-01	8.2E+04		6.3E+03	
SB-225	N		1	10/21/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	5.10E-01	8.2E+02		6.3E+01	
SB-225	N		1	10/21/21	PCB	PCBs (total)	1336-36-3		U	1.20E-01	9.7E+00		1.2E+00	
SB-225	N		1	10/21/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	5.10E-01	7.4E+01		1.7E+01	
SB-225	N		1	10/21/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	5.10E-01	1.5E+01		3.6E+00	
SB-225	N		1	10/21/21	NITRO	Nitrobenzene	98-95-3		U	5.10E-01	2.2E+02		5.1E+01	
SB-225	N		1	10/21/21	INORG	Aluminum	7429-90-5	2.30E+03		2.50E+01	1.1E+06	2.1E-03	7.7E+04	3.0E-02
SB-225	N		1	10/21/21	INORG	Antimony	7440-36-0		U	2.50E+00	4.7E+02		3.1E+01	
SB-225	N		1	10/21/21	INORG	Arsenic	7440-38-2	6.50E+00		5.00E+00	3.0E+01	2.2E-01	6.8E+00	9.6E-01
SB-225	N		1	10/21/21	INORG	Barium	7440-39-3	1.00E+02		2.50E+00	2.2E+05	4.5E-04	1.5E+04	6.7E-03
SB-225	N		1	10/21/21	INORG	Beryllium	7440-41-7	2.00E+00		2.50E-01	2.3E+03	8.7E-04	1.6E+02	1.3E-02
SB-225	N		1	10/21/21	INORG	Cadmium	7440-43-9		U	5.00E-01	1.0E+02		7.1E+00	
SB-225	N		1	10/21/21	INORG	Chromium (total)	7440-47-3	2.70E+01		9.90E-01	1.8E+06	1.5E-05	1.2E+05	2.3E-04
SB-225	N		1	10/21/21	INORG	Cobalt	7440-48-4	8.60E+00		2.50E+00	3.5E+02	2.5E-02	2.3E+01	3.7E-01
SB-225	N		1	10/21/21	INORG	Copper	7440-50-8	3.90E+01		9.90E-01	4.7E+04	8.3E-04	3.1E+03	1.3E-02
SB-225	N		1	10/21/21	INORG	Cyanide (total)	57-12-5		U	6.50E-01	1.5E+02		2.3E+01	
SB-225	N		1	10/21/21	INORG	Iron	7439-89-6	1.10E+04		2.50E+01	8.2E+05	1.3E-02	5.5E+04	2.0E-01
SB-225	N		1	10/21/21	INORG	Lead	7439-92-1	1.20E+01		7.50E-01	8.0E+02	1.5E-02	2.0E+02	6.0E-02
SB-225	N		1	10/21/21	INORG	Manganese	7439-96-5	9.90E+01		5.00E-01	2.6E+04	3.8E-03	1.8E+03	5.5E-02

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-225	N		1	10/21/21	INORG	Mercury	7439-97-6	2.70E-02	J	4.20E-02	4.1E+01	6.6E-04	7.4E+00	3.6E-03
SB-225	N		1	10/21/21	INORG	Nickel	7440-02-0	2.20E+01		9.90E-01	2.2E+04	1.0E-03	1.5E+03	1.5E-02
SB-225	N		1	10/21/21	INORG	Selenium	7782-49-2		U	5.00E+00	5.8E+03		3.9E+02	
SB-225	N		1	10/21/21	INORG	Silver	7440-22-4		U	5.00E-01	5.8E+03		3.9E+02	
SB-225	N		1	10/21/21	INORG	Thallium	7440-28-0		U	2.50E+00	1.2E+01		7.8E-01	
SB-225	N		1	10/21/21	INORG	Vanadium	7440-62-2	2.50E+01		9.90E-01	5.8E+03	4.3E-03	3.9E+02	6.4E-02
SB-225	N		1	10/21/21	INORG	Zinc	7440-66-6	4.80E+01		9.90E-01	3.5E+05	1.4E-04	2.3E+04	2.1E-03
SB-226	N		1	10/05/21	VOC	1,2-Dichlorobenzene	95-50-1		U	4.10E-01	9.3E+03		1.8E+03	
SB-226	N		1	10/05/21	VOC	1,3-Dichlorobenzene	541-73-1		U	4.10E-01	1.1E+02		2.6E+01	
SB-226	N		1	10/05/21	VOC	1,4-Dichlorobenzene	106-46-7		U	4.10E-01	1.1E+02		2.6E+01	
SB-226	N		1	10/05/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	4.10E-01	2.6E+02		5.8E+01	
SB-226	N		1	10/05/21	SVOC	Acenaphthene	83-32-9		U	2.10E-01	4.5E+04		3.6E+03	
SB-226	N		1	10/05/21	SVOC	Acenaphthylene	208-96-8		U	2.10E-01	2.3E+04		1.8E+03	
SB-226	N		1	10/05/21	SVOC	Acetophenone	98-86-2		U	4.10E-01	1.2E+05		7.8E+03	
SB-226	N		1	10/05/21	SVOC	Aniline	62-53-3		U	4.10E-01	4.0E+03		4.4E+02	
SB-226	N		1	10/05/21	SVOC	Anthracene	120-12-7		U	2.10E-01	2.3E+05		1.8E+04	
SB-226	N		1	10/05/21	SVOC	Benzidine	92-87-5		U	8.00E-01	1.0E-01		5.3E-03	
SB-226	N		1	10/05/21	SVOC	Benzo(a)anthracene	56-55-3		U	2.10E-01	2.1E+02		1.1E+01	
SB-226	N		1	10/05/21	SVOC	Benzo(a)pyrene	50-32-8		U	2.10E-01	2.1E+01		1.1E+00	
SB-226	N		1	10/05/21	SVOC	Benzo(b)fluoranthene	205-99-2		U	2.10E-01	2.1E+02		1.1E+01	
SB-226	N		1	10/05/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	2.10E-01	2.3E+04		1.8E+03	
SB-226	N		1	10/05/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	2.10E-01	2.1E+03		1.1E+02	
SB-226	N		1	10/05/21	SVOC	Benzoic Acid	65-85-0		U	1.20E+00	3.3E+06		2.5E+05	
SB-226	N		1	10/05/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	4.10E-01	2.5E+03		1.9E+02	
SB-226	N		1	10/05/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	4.10E-01	1.0E+01		2.3E+00	
SB-226	N		1	10/05/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	4.10E-01	1.6E+03		3.9E+02	
SB-226	N		1	10/05/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	4.10E-01				
SB-226	N		1	10/05/21	SVOC	Butylbenzylphthalate	85-68-7		U	4.10E-01	1.2E+04		2.9E+03	
SB-226	N		1	10/05/21	SVOC	Carbazole	86-74-8		U	2.10E-01	3.0E+04		2.4E+03	
SB-226	N		1	10/05/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	8.00E-01	8.2E+04		6.3E+03	
SB-226	N		1	10/05/21	SVOC	4-Chloroaniline	106-47-8		U	8.00E-01	1.1E+02		2.7E+01	
SB-226	N		1	10/05/21	SVOC	2-Chloronaphthalene	91-58-7		U	4.10E-01	6.0E+04		4.8E+03	
SB-226	N		1	10/05/21	SVOC	2-Chlorophenol	95-57-8		U	4.10E-01	5.8E+03		3.9E+02	
SB-226	N		1	10/05/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	4.10E-01				
SB-226	N		1	10/05/21	SVOC	Chrysene	218-01-9		U	2.10E-01	2.1E+04		1.1E+03	
SB-226	N		1	10/05/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	2.10E-01	2.1E+01		1.1E+00	
SB-226	N		1	10/05/21	SVOC	Dibenzofuran	132-64-9		U	4.10E-01	1.2E+03		7.8E+01	
SB-226	N		1	10/05/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	2.10E-01	5.1E+01		1.2E+01	
SB-226	N		1	10/05/21	SVOC	2,4-Dichlorophenol	120-83-2		U	4.10E-01	2.5E+03		1.9E+02	
SB-226	N		1	10/05/21	SVOC	Diethylphthalate	84-66-2		U	4.10E-01	6.6E+05		5.1E+04	
SB-226	N		1	10/05/21	SVOC	2,4-Dimethylphenol	105-67-9		U	4.10E-01	1.6E+04		1.3E+03	
SB-226	N		1	10/05/21	SVOC	Dimethylphthalate	131-11-3		U	4.10E-01	6.6E+05		5.1E+04	
SB-226	N		1	10/05/21	SVOC	Di-n-butylphthalate	84-74-2		U	4.10E-01	8.2E+04		6.3E+03	
SB-226	N		1	10/05/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	4.10E-01	6.6E+01		5.1E+00	

**Attachment 1-1: Soil Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-226	N		1	10/05/21	SVOC	2,4-Dinitrophenol	51-28-5		U	8.00E-01	1.6E+03		1.3E+02	
SB-226	N		1	10/05/21	SVOC	Di-n-octylphthalate	117-84-0		U	4.10E-01	8.2E+03		6.3E+02	
SB-226	N		1	10/05/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	4.10E-01	2.9E+01		6.8E+00	
SB-226	N		1	10/05/21	SVOC	Fluoranthene	206-44-0		U	2.10E-01	3.0E+04		2.4E+03	
SB-226	N		1	10/05/21	SVOC	Fluorene	86-73-7		U	2.10E-01	3.0E+04		2.4E+03	
SB-226	N		1	10/05/21	SVOC	Hexachlorobenzene	118-74-1		U	4.10E-01	9.6E+00		7.8E-01	
SB-226	N		1	10/05/21	SVOC	Hexachlorobutadiene	87-68-3		U	4.10E-01	5.3E+01		1.2E+01	
SB-226	N		1	10/05/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	4.10E-01	7.5E+00		1.8E+00	
SB-226	N		1	10/05/21	SVOC	Hexachloroethane	67-72-1		U	4.10E-01	8.0E+01		1.8E+01	
SB-226	N		1	10/05/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	2.10E-01	2.1E+02		1.1E+01	
SB-226	N		1	10/05/21	SVOC	Isophorone	78-59-1		U	4.10E-01	2.4E+04		5.7E+03	
SB-226	N		1	10/05/21	SVOC	1-Methylnaphthalene	90-12-0		U	2.10E-01	7.3E+02		1.8E+02	
SB-226	N		1	10/05/21	SVOC	2-Methylnaphthalene	91-57-6		U	2.10E-01	3.0E+03		2.4E+02	
SB-226	N		1	10/05/21	SVOC	2-Methylphenol	95-48-7		U	4.10E-01	4.1E+04		3.2E+03	
SB-226	N		1	10/05/21	SVOC	3&4-Methylphenol	65794-96-9		U	4.10E-01				
SB-226	N		1	10/05/21	SVOC	Naphthalene	91-20-3		U	2.10E-01	8.6E+01		2.0E+01	
SB-226	N		1	10/05/21	SVOC	2-Nitroaniline	88-74-4		U	4.10E-01	8.0E+03		6.3E+02	
SB-226	N		1	10/05/21	SVOC	3-Nitroaniline	99-09-2		U	4.10E-01	1.1E+03		2.5E+02	
SB-226	N		1	10/05/21	SVOC	4-Nitroaniline	100-01-6		U	4.10E-01	1.1E+03		2.5E+02	
SB-226	N		1	10/05/21	SVOC	2-Nitrophenol	88-75-5		U	4.10E-01				
SB-226	N		1	10/05/21	SVOC	4-Nitrophenol	100-02-7		U	8.00E-01				
SB-226	N		1	10/05/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	4.10E-01	3.4E-01		2.0E-02	
SB-226	N		1	10/05/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	4.10E-01	4.7E+03		1.1E+03	
SB-226	N		1	10/05/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	4.10E-01	3.3E+00		7.8E-01	
SB-226	N		1	10/05/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	4.10E-01	4.7E+04		3.1E+03	
SB-226	N		1	10/05/21	SVOC	Pentachloronitrobenzene	82-68-8		U	4.10E-01	1.3E+02		2.7E+01	
SB-226	N		1	10/05/21	SVOC	Pentachlorophenol	87-86-5		U	4.10E-01	4.0E+01		1.0E+01	
SB-226	N		1	10/05/21	SVOC	Phenanthrene	85-01-8		U	2.10E-01	2.3E+04		1.8E+03	
SB-226	N		1	10/05/21	SVOC	Phenol	108-95-2		U	4.10E-01	2.5E+05		1.9E+04	
SB-226	N		1	10/05/21	SVOC	Pyrene	129-00-0		U	2.10E-01	2.3E+04		1.8E+03	
SB-226	N		1	10/05/21	SVOC	Pyridine	110-86-1		U	4.10E-01	1.2E+03		7.8E+01	
SB-226	N		1	10/05/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	4.10E-01	3.5E+01		2.3E+00	
SB-226	N		1	10/05/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	4.10E-01	8.2E+04		6.3E+03	
SB-226	N		1	10/05/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	4.10E-01	8.2E+02		6.3E+01	
SB-226	N		1	10/05/21	PCB	PCBs (total)	1336-36-3		U	9.70E-02	9.7E+00		1.2E+00	
SB-226	N		1	10/05/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	4.10E-01	7.4E+01		1.7E+01	
SB-226	N		1	10/05/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	4.10E-01	1.5E+01		3.6E+00	
SB-226	N		1	10/05/21	NITRO	Nitrobenzene	98-95-3		U	4.10E-01	2.2E+02		5.1E+01	
SB-226	N		1	10/05/21	INORG	Aluminum	7429-90-5	1.10E+04		2.00E+01	1.1E+06	1.0E-02	7.7E+04	1.4E-01
SB-226	N		1	10/05/21	INORG	Antimony	7440-36-0		U	2.00E+00	4.7E+02		3.1E+01	
SB-226	N		1	10/05/21	INORG	Arsenic	7440-38-2	4.50E+00		4.00E+00	3.0E+01	1.5E-01	6.8E+00	6.6E-01
SB-226	N		1	10/05/21	INORG	Barium	7440-39-3	5.60E+01		2.00E+00	2.2E+05	2.5E-04	1.5E+04	3.7E-03
SB-226	N		1	10/05/21	INORG	Beryllium	7440-41-7	5.30E-01		2.00E-01	2.3E+03	2.3E-04	1.6E+02	3.3E-03
SB-226	N		1	10/05/21	INORG	Cadmium	7440-43-9		U	4.00E-01	1.0E+02		7.1E+00	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-226	N		1	10/05/21	INORG	Chromium (total)	7440-47-3	1.50E+01		7.90E-01	1.8E+06	8.3E-06	1.2E+05	1.3E-04
SB-226	N		1	10/05/21	INORG	Cobalt	7440-48-4	6.50E+00		2.00E+00	3.5E+02	1.9E-02	2.3E+01	2.8E-01
SB-226	N		1	10/05/21	INORG	Copper	7440-50-8	1.10E+01		7.90E-01	4.7E+04	2.3E-04	3.1E+03	3.5E-03
SB-226	N		1	10/05/21	INORG	Cyanide (total)	57-12-5		U	6.00E-01	1.5E+02		2.3E+01	
SB-226	N		1	10/05/21	INORG	Iron	7439-89-6	2.20E+04		4.00E+02	8.2E+05	2.7E-02	5.5E+04	4.0E-01
SB-226	N		1	10/05/21	INORG	Lead	7439-92-1	1.20E+01		5.90E-01	8.0E+02	1.5E-02	2.0E+02	6.0E-02
SB-226	N		1	10/05/21	INORG	Manganese	7439-96-5	9.60E+01		4.00E-01	2.6E+04	3.7E-03	1.8E+03	5.3E-02
SB-226	N		1	10/05/21	INORG	Mercury	7439-97-6	1.20E-02	J	3.20E-02	4.1E+01	3.0E-04	7.4E+00	1.6E-03
SB-226	N		1	10/05/21	INORG	Nickel	7440-02-0	9.20E+00		7.90E-01	2.2E+04	4.2E-04	1.5E+03	6.1E-03
SB-226	N		1	10/05/21	INORG	Selenium	7782-49-2		U	4.00E+00	5.8E+03		3.9E+02	
SB-226	N		1	10/05/21	INORG	Silver	7440-22-4		U	4.00E-01	5.8E+03		3.9E+02	
SB-226	N		1	10/05/21	INORG	Thallium	7440-28-0	1.40E+00	J	2.00E+00	1.2E+01	1.2E-01	7.8E-01	<b>1.8E+00</b>
SB-226	N		1	10/05/21	INORG	Vanadium	7440-62-2	2.80E+01		7.90E-01	5.8E+03	4.8E-03	3.9E+02	7.2E-02
SB-226	N		1	10/05/21	INORG	Zinc	7440-66-6	3.00E+01		7.90E-01	3.5E+05	8.6E-05	2.3E+04	1.3E-03
SB-227	N		1	10/21/21	VOC	Acetone	67-64-1		U	8.60E-02	1.1E+06		7.0E+04	
SB-227	N		1	10/21/21	VOC	Acrylonitrile	107-13-1		U	5.10E-03	1.1E+01		2.5E+00	
SB-227	N		1	10/21/21	VOC	Benzene	71-43-2		U	1.70E-03	5.1E+01		1.2E+01	
SB-227	N		1	10/21/21	VOC	Bromobenzene	108-86-1		U	1.70E-03	1.8E+03		2.9E+02	
SB-227	N		1	10/21/21	VOC	Bromochloromethane	74-97-5		U	1.70E-03	6.3E+02		1.5E+02	
SB-227	N		1	10/21/21	VOC	Bromodichloromethane	75-27-4		U	1.70E-03	1.3E+01		2.9E+00	
SB-227	N		1	10/21/21	VOC	Bromoform	75-25-2		U	1.70E-03	8.6E+02		1.9E+02	
SB-227	N		1	10/21/21	VOC	Bromomethane	74-83-9		U	8.60E-03	3.0E+01		6.8E+00	
SB-227	N		1	10/21/21	VOC	2-Butanone	78-93-3		U	3.40E-02	1.9E+05		2.7E+04	
SB-227	N		1	10/21/21	VOC	n-Butylbenzene	104-51-8		U	1.70E-03	5.8E+04		3.9E+03	
SB-227	N		1	10/21/21	VOC	sec-Butylbenzene	135-98-8		U	1.70E-03	1.2E+05		7.8E+03	
SB-227	N		1	10/21/21	VOC	tert-Butylbenzene	98-06-6		U	3.40E-03	1.2E+05		7.8E+03	
SB-227	N		1	10/21/21	VOC	Carbon Disulfide	75-15-0		U	8.60E-03	3.5E+03		7.7E+02	
SB-227	N		1	10/21/21	VOC	Carbon Tetrachloride	56-23-5		U	1.70E-03	2.9E+01		6.5E+00	
SB-227	N		1	10/21/21	VOC	Chlorobenzene	108-90-7		U	1.70E-03	1.3E+03		2.8E+02	
SB-227	N		1	10/21/21	VOC	Chloroethane	75-00-3		U	1.70E-02	2.3E+04		5.4E+03	
SB-227	N		1	10/21/21	VOC	Chloroform	67-66-3		U	3.40E-03	1.4E+01		3.2E+00	
SB-227	N		1	10/21/21	VOC	Chloromethane	74-87-3		U	8.60E-03	4.6E+02		1.1E+02	
SB-227	N		1	10/21/21	VOC	2-Chlorotoluene	95-49-8		U	1.70E-03	2.3E+04		1.6E+03	
SB-227	N		1	10/21/21	VOC	4-Chlorotoluene	106-43-4		U	1.70E-03	2.3E+04		1.6E+03	
SB-227	N		1	10/21/21	VOC	Cumene	98-82-8		U	1.70E-03	9.9E+03		1.9E+03	
SB-227	N		1	10/21/21	VOC	p-Cymene	99-87-6		U	1.70E-03				
SB-227	N		1	10/21/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8		U	1.70E-03	6.4E-01		5.3E-02	
SB-227	N		1	10/21/21	VOC	Dibromochloromethane	124-48-1		U	8.60E-04	3.9E+02		8.3E+01	
SB-227	N		1	10/21/21	VOC	1,2-Dibromoethane	106-93-4		U	8.60E-04	1.6E+00		3.6E-01	
SB-227	N		1	10/21/21	VOC	Dibromomethane	74-95-3		U	1.70E-03	9.9E+01		2.4E+01	
SB-227	N		1	10/21/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6		U	3.40E-03	3.2E-01		7.4E-02	
SB-227	N		1	10/21/21	VOC	1,2-Dichlorobenzene	95-50-1		U	1.70E-03	9.3E+03		1.8E+03	
SB-227	N		1	10/21/21	VOC	1,3-Dichlorobenzene	541-73-1		U	1.70E-03	1.1E+02		2.6E+01	
SB-227	N		1	10/21/21	VOC	1,4-Dichlorobenzene	106-46-7		U	1.70E-03	1.1E+02		2.6E+01	



**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-227	N		1	10/21/21	VOC	Dichlorodifluoromethane	75-71-8		U	1.70E-02	3.7E+02		8.7E+01	
SB-227	N		1	10/21/21	VOC	1,1-Dichloroethane	75-34-3		U	1.70E-03	1.6E+02		3.6E+01	
SB-227	N		1	10/21/21	VOC	1,2-Dichloroethane	107-06-2		U	1.70E-03	2.0E+01		4.6E+00	
SB-227	N		1	10/21/21	VOC	1,1-Dichloroethene	75-35-4		U	3.40E-03	1.0E+03		2.3E+02	
SB-227	N		1	10/21/21	VOC	cis-1,2-Dichloroethene	156-59-2		U	1.70E-03	3.7E+02		6.3E+01	
SB-227	N		1	10/21/21	VOC	trans-1,2-Dichloroethene	156-60-5		U	1.70E-03	3.0E+02		7.0E+01	
SB-227	N		1	10/21/21	VOC	1,2-Dichloropropane	78-87-5		U	1.70E-03	6.6E+01		1.6E+01	
SB-227	N		1	10/21/21	VOC	1,3-Dichloropropane	142-28-9		U	8.60E-04	2.3E+04		1.6E+03	
SB-227	N		1	10/21/21	VOC	2,2-Dichloropropane	594-20-7		U	1.70E-03				
SB-227	N		1	10/21/21	VOC	1,1-Dichloropropene	563-58-6		U	1.70E-03				
SB-227	N		1	10/21/21	VOC	1,3-Dichloropropene (total)	542-75-6		U	8.60E-04	8.2E+01		1.8E+01	
SB-227	N		1	10/21/21	VOC	1,4-Dioxane	123-91-1		U	8.60E-02	2.4E+02		5.3E+01	
SB-227	N		1	10/21/21	VOC	Ethyl tert-butyl ether	637-92-3		U	8.60E-04	5.6E+03		1.3E+03	
SB-227	N		1	10/21/21	VOC	Ethyl Benzene	100-41-4		U	1.70E-03	2.5E+02		5.8E+01	
SB-227	N		1	10/21/21	VOC	Diethyl ether	60-29-7		U	1.70E-02	2.3E+05		1.6E+04	
SB-227	N		1	10/21/21	VOC	2-Hexanone	591-78-6		U	1.70E-02	1.3E+03		2.0E+02	
SB-227	N		1	10/21/21	VOC	Methyl Acetate	79-20-9		U	1.70E-03	1.2E+06		7.8E+04	
SB-227	N		1	10/21/21	VOC	Methyl tert-butyl ether	1634-04-4		U	3.40E-03	2.1E+03		4.7E+02	
SB-227	N		1	10/21/21	VOC	4-Methyl-2-pentanone	108-10-1		U	1.70E-02	1.4E+05		3.3E+04	
SB-227	N		1	10/21/21	VOC	Methylcyclohexane	108-87-2		U	1.70E-03	2.7E+04		6.5E+03	
SB-227	N		1	10/21/21	VOC	Methylene Chloride	75-09-2		U	1.70E-02	3.2E+03		3.5E+02	
SB-227	N		1	10/21/21	VOC	Diisopropyl ether	108-20-3		U	8.60E-04	9.4E+03		2.2E+03	
SB-227	N		1	10/21/21	VOC	n-Propylbenzene	103-65-1		U	1.70E-03	2.4E+04		3.8E+03	
SB-227	N		1	10/21/21	VOC	Styrene	100-42-5		U	1.70E-03	3.5E+04		6.0E+03	
SB-227	N		1	10/21/21	VOC	tert-Butyl alcohol	75-65-0		U	8.60E-02	6.5E+04		1.4E+04	
SB-227	N		1	10/21/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6		U	1.70E-03	8.8E+01		2.0E+01	
SB-227	N		1	10/21/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5		U	8.60E-04	2.7E+01		6.0E+00	
SB-227	N		1	10/21/21	VOC	Tetrachloroethene	127-18-4		U	1.70E-03	3.9E+02		8.1E+01	
SB-227	N		1	10/21/21	VOC	Tetrahydrofuran	109-99-9		U	8.60E-03	9.5E+04		1.8E+04	
SB-227	N		1	10/21/21	VOC	Toluene	108-88-3	4.80E-04	J	1.70E-03	4.7E+04	1.0E-08	4.9E+03	9.8E-08
SB-227	N		1	10/21/21	VOC	1,2,3-Trichlorobenzene	87-61-6		U	1.70E-03	9.3E+02		6.3E+01	
SB-227	N		1	10/21/21	VOC	1,2,4-Trichlorobenzene	120-82-1		U	1.70E-03	2.6E+02		5.8E+01	
SB-227	N		1	10/21/21	VOC	1,3,5-Trichlorobenzene	108-70-3		U	1.70E-03				
SB-227	N		1	10/21/21	VOC	1,1,1-Trichloroethane	71-55-6		U	1.70E-03	3.6E+04		8.1E+03	
SB-227	N		1	10/21/21	VOC	1,1,2-Trichloroethane	79-00-5		U	1.70E-03	6.3E+00		1.5E+00	
SB-227	N		1	10/21/21	VOC	Trichloroethene	79-01-6		U	1.70E-03	1.9E+01		4.1E+00	
SB-227	N		1	10/21/21	VOC	Trichlorofluoromethane	75-69-4		U	8.60E-03	3.5E+05		2.3E+04	
SB-227	N		1	10/21/21	VOC	1,2,3-Trichloropropane	96-18-4		U	1.70E-03	1.1E+00		5.1E-02	
SB-227	N		1	10/21/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		U	8.60E-03	2.8E+04		6.7E+03	
SB-227	N		1	10/21/21	VOC	1,2,4-Trimethylbenzene	95-63-6		U	1.70E-03	1.8E+03		3.0E+02	
SB-227	N		1	10/21/21	VOC	1,3,5-Trimethylbenzene	108-67-8		U	1.70E-03	1.5E+03		2.7E+02	
SB-227	N		1	10/21/21	VOC	Vinyl Chloride	75-01-4		U	8.60E-03	1.7E+01		5.9E-01	
SB-227	N		1	10/21/21	VOC	Xylenes (total)	1330-20-7		U	3.40E-03	2.5E+03		5.8E+02	
SB-227	N		1	10/21/21	SVOC	Acenaphthene	83-32-9		U	1.90E-01	4.5E+04		3.6E+03	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-227	N		1	10/21/21	SVOC	Acenaphthylene	208-96-8		U	1.90E-01	2.3E+04		1.8E+03	
SB-227	N		1	10/21/21	SVOC	Acetophenone	98-86-2		U	3.90E-01	1.2E+05		7.8E+03	
SB-227	N		1	10/21/21	SVOC	t-Amyl methyl ether	994-05-8		U	8.60E-04				
SB-227	N		1	10/21/21	SVOC	Aniline	62-53-3		U	3.90E-01	4.0E+03		4.4E+02	
SB-227	N		1	10/21/21	SVOC	Anthracene	120-12-7		U	1.90E-01	2.3E+05		1.8E+04	
SB-227	N		1	10/21/21	SVOC	Benzidine	92-87-5		U	7.50E-01	1.0E-01		5.3E-03	
SB-227	N		1	10/21/21	SVOC	Benzo(a)anthracene	56-55-3	7.40E-02	J	1.90E-01	2.1E+02	3.5E-04	1.1E+01	6.7E-03
SB-227	N		1	10/21/21	SVOC	Benzo(a)pyrene	50-32-8		U	1.90E-01	2.1E+01		1.1E+00	
SB-227	N		1	10/21/21	SVOC	Benzo(b)fluoranthene	205-99-2	1.30E-01	J	1.90E-01	2.1E+02	6.2E-04	1.1E+01	1.2E-02
SB-227	N		1	10/21/21	SVOC	Benzo(g,h,i)perylene	191-24-2		U	1.90E-01	2.3E+04		1.8E+03	
SB-227	N		1	10/21/21	SVOC	Benzo(k)fluoranthene	207-08-9		U	1.90E-01	2.1E+03		1.1E+02	
SB-227	N		1	10/21/21	SVOC	Benzoic Acid	65-85-0		U	1.10E+00	3.3E+06		2.5E+05	
SB-227	N		1	10/21/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1		U	3.90E-01	2.5E+03		1.9E+02	
SB-227	N		1	10/21/21	SVOC	bis(2-Chloroethyl) ether	111-44-4		U	3.90E-01	1.0E+01		2.3E+00	
SB-227	N		1	10/21/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7		U	3.90E-01	1.6E+03		3.9E+02	
SB-227	N		1	10/21/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3		U	3.90E-01				
SB-227	N		1	10/21/21	SVOC	Butylbenzylphthalate	85-68-7		U	3.90E-01	1.2E+04		2.9E+03	
SB-227	N		1	10/21/21	SVOC	Carbazole	86-74-8		U	1.90E-01	3.0E+04		2.4E+03	
SB-227	N		1	10/21/21	SVOC	4-Chloro-3-methylphenol	59-50-7		U	7.50E-01	8.2E+04		6.3E+03	
SB-227	N		1	10/21/21	SVOC	4-Chloroaniline	106-47-8		U	7.50E-01	1.1E+02		2.7E+01	
SB-227	N		1	10/21/21	SVOC	2-Chloronaphthalene	91-58-7		U	3.90E-01	6.0E+04		4.8E+03	
SB-227	N		1	10/21/21	SVOC	2-Chlorophenol	95-57-8		U	3.90E-01	5.8E+03		3.9E+02	
SB-227	N		1	10/21/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3		U	3.90E-01				
SB-227	N		1	10/21/21	SVOC	Chrysene	218-01-9	1.60E-01	J	1.90E-01	2.1E+04	7.6E-06	1.1E+03	1.5E-04
SB-227	N		1	10/21/21	SVOC	Dibenz(a,h)anthracene	53-70-3		U	1.90E-01	2.1E+01		1.1E+00	
SB-227	N		1	10/21/21	SVOC	Dibenzofuran	132-64-9	2.70E-01	J	3.90E-01	1.2E+03	2.3E-04	7.8E+01	3.5E-03
SB-227	N		1	10/21/21	SVOC	3,3'-Dichlorobenzidine	91-94-1		U	1.90E-01	5.1E+01		1.2E+01	
SB-227	N		1	10/21/21	SVOC	2,4-Dichlorophenol	120-83-2		U	3.90E-01	2.5E+03		1.9E+02	
SB-227	N		1	10/21/21	SVOC	Diethylphthalate	84-66-2		U	3.90E-01	6.6E+05		5.1E+04	
SB-227	N		1	10/21/21	SVOC	2,4-Dimethylphenol	105-67-9		U	3.90E-01	1.6E+04		1.3E+03	
SB-227	N		1	10/21/21	SVOC	Dimethylphthalate	131-11-3		U	3.90E-01	6.6E+05		5.1E+04	
SB-227	N		1	10/21/21	SVOC	Di-n-butylphthalate	84-74-2		U	3.90E-01	8.2E+04		6.3E+03	
SB-227	N		1	10/21/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1		U	3.90E-01	6.6E+01		5.1E+00	
SB-227	N		1	10/21/21	SVOC	2,4-Dinitrophenol	51-28-5		U	7.50E-01	1.6E+03		1.3E+02	
SB-227	N		1	10/21/21	SVOC	Di-n-octylphthalate	117-84-0		U	3.90E-01	8.2E+03		6.3E+02	
SB-227	N		1	10/21/21	SVOC	1,2-Diphenylhydrazine	122-66-7		U	3.90E-01	2.9E+01		6.8E+00	
SB-227	N		1	10/21/21	SVOC	Fluoranthene	206-44-0	1.20E-01	J	1.90E-01	3.0E+04	4.0E-06	2.4E+03	5.0E-05
SB-227	N		1	10/21/21	SVOC	Fluorene	86-73-7		U	1.90E-01	3.0E+04		2.4E+03	
SB-227	N		1	10/21/21	SVOC	Hexachlorobenzene	118-74-1		U	3.90E-01	9.6E+00		7.8E-01	
SB-227	N		1	10/21/21	SVOC	Hexachlorobutadiene	87-68-3		U	1.70E-03	5.3E+01		1.2E+01	
SB-227	N		1	10/21/21	SVOC	Hexachlorocyclopentadiene	77-47-4		U	3.90E-01	7.5E+00		1.8E+00	
SB-227	N		1	10/21/21	SVOC	Hexachloroethane	67-72-1		U	3.90E-01	8.0E+01		1.8E+01	
SB-227	N		1	10/21/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5		U	1.90E-01	2.1E+02		1.1E+01	
SB-227	N		1	10/21/21	SVOC	Isophorone	78-59-1		U	3.90E-01	2.4E+04		5.7E+03	

**Attachment 1-1: Soil Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-227	N		1	10/21/21	SVOC	1-Methylnaphthalene	90-12-0	7.40E-01		1.90E-01	7.3E+02	1.0E-03	1.8E+02	4.1E-03
SB-227	N		1	10/21/21	SVOC	2-Methylnaphthalene	91-57-6	1.20E+00		1.90E-01	3.0E+03	4.0E-04	2.4E+02	5.0E-03
SB-227	N		1	10/21/21	SVOC	2-Methylphenol	95-48-7		U	3.90E-01	4.1E+04		3.2E+03	
SB-227	N		1	10/21/21	SVOC	3&4-Methylphenol	65794-96-9		U	3.90E-01				
SB-227	N		1	10/21/21	SVOC	Naphthalene	91-20-3	6.80E-01		1.90E-01	8.6E+01	7.9E-03	2.0E+01	3.4E-02
SB-227	N		1	10/21/21	SVOC	2-Nitroaniline	88-74-4		U	3.90E-01	8.0E+03		6.3E+02	
SB-227	N		1	10/21/21	SVOC	3-Nitroaniline	99-09-2		U	3.90E-01	1.1E+03		2.5E+02	
SB-227	N		1	10/21/21	SVOC	4-Nitroaniline	100-01-6		U	3.90E-01	1.1E+03		2.5E+02	
SB-227	N		1	10/21/21	SVOC	2-Nitrophenol	88-75-5		U	3.90E-01				
SB-227	N		1	10/21/21	SVOC	4-Nitrophenol	100-02-7		U	7.50E-01				
SB-227	N		1	10/21/21	SVOC	N-Nitrosodimethylamine	62-75-9		U	3.90E-01	3.4E-01		2.0E-02	
SB-227	N		1	10/21/21	SVOC	N-Nitrosodiphenylamine	86-30-6		U	3.90E-01	4.7E+03		1.1E+03	
SB-227	N		1	10/21/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7		U	3.90E-01	3.3E+00		7.8E-01	
SB-227	N		1	10/21/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1		U	3.90E-01	4.7E+04		3.1E+03	
SB-227	N		1	10/21/21	SVOC	Pentachloronitrobenzene	82-68-8		U	3.90E-01	1.3E+02		2.7E+01	
SB-227	N		1	10/21/21	SVOC	Pentachlorophenol	87-86-5		U	3.90E-01	4.0E+01		1.0E+01	
SB-227	N		1	10/21/21	SVOC	Phenanthrene	85-01-8	5.70E-01		1.90E-01	2.3E+04	2.5E-05	1.8E+03	3.2E-04
SB-227	N		1	10/21/21	SVOC	Phenol	108-95-2		U	3.90E-01	2.5E+05		1.9E+04	
SB-227	N		1	10/21/21	SVOC	Pyrene	129-00-0	1.40E-01	J	1.90E-01	2.3E+04	6.1E-06	1.8E+03	7.8E-05
SB-227	N		1	10/21/21	SVOC	Pyridine	110-86-1		U	3.90E-01	1.2E+03		7.8E+01	
SB-227	N		1	10/21/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3		U	3.90E-01	3.5E+01		2.3E+00	
SB-227	N		1	10/21/21	SVOC	2,4,5-Trichlorophenol	95-95-4		U	3.90E-01	8.2E+04		6.3E+03	
SB-227	N		1	10/21/21	SVOC	2,4,6-Trichlorophenol	88-06-2		U	3.90E-01	8.2E+02		6.3E+01	
SB-227	N		1	10/21/21	PCB	PCBs (total)	1336-36-3		U	9.10E-02	9.7E+00		1.2E+00	
SB-227	N		1	10/21/21	NITRO	2,4-Dinitrotoluene	121-14-2		U	3.90E-01	7.4E+01		1.7E+01	
SB-227	N		1	10/21/21	NITRO	2,6-Dinitrotoluene	606-20-2		U	3.90E-01	1.5E+01		3.6E+00	
SB-227	N		1	10/21/21	NITRO	Nitrobenzene	98-95-3		U	3.90E-01	2.2E+02		5.1E+01	
SB-227	N		1	10/21/21	INORG	Aluminum	7429-90-5	3.40E+03		1.90E+01	1.1E+06	3.1E-03	7.7E+04	4.4E-02
SB-227	N		1	10/21/21	INORG	Antimony	7440-36-0		U	1.90E+00	4.7E+02		3.1E+01	
SB-227	N		1	10/21/21	INORG	Arsenic	7440-38-2	2.50E+01		3.70E+00	3.0E+01	8.3E-01	6.8E+00	3.7E+00
SB-227	N		1	10/21/21	INORG	Barium	7440-39-3	1.40E+02		1.90E+00	2.2E+05	6.4E-04	1.5E+04	9.3E-03
SB-227	N		1	10/21/21	INORG	Beryllium	7440-41-7	8.60E-01		1.90E-01	2.3E+03	3.7E-04	1.6E+02	5.4E-03
SB-227	N		1	10/21/21	INORG	Cadmium	7440-43-9		U	3.70E-01	1.0E+02		7.1E+00	
SB-227	N		1	10/21/21	INORG	Chromium (total)	7440-47-3	1.40E+03		7.40E-01	1.8E+06	7.8E-04	1.2E+05	1.2E-02
SB-227	N		1	10/21/21	INORG	Cobalt	7440-48-4	1.80E+01		1.90E+00	3.5E+02	5.1E-02	2.3E+01	7.8E-01
SB-227	N		1	10/21/21	INORG	Copper	7440-50-8	1.00E+03		7.40E-01	4.7E+04	2.1E-02	3.1E+03	3.2E-01
SB-227	N		1	10/21/21	INORG	Cyanide (total)	57-12-5		U	3.80E-01	1.5E+02		2.3E+01	
SB-227	N		1	10/21/21	INORG	Iron	7439-89-6	3.30E+05		3.70E+02	8.2E+05	4.0E-01	5.5E+04	6.0E+00
SB-227	N		1	10/21/21	INORG	Lead	7439-92-1	1.30E+01		5.60E-01	8.0E+02	1.6E-02	2.0E+02	6.5E-02
SB-227	N		1	10/21/21	INORG	Manganese	7439-96-5	2.70E+03		3.70E-01	2.6E+04	1.0E-01	1.8E+03	1.5E+00
SB-227	N		1	10/21/21	INORG	Mercury	7439-97-6	1.90E-02	J	2.90E-02	4.1E+01	4.7E-04	7.4E+00	2.6E-03
SB-227	N		1	10/21/21	INORG	Nickel	7440-02-0	7.30E+02		7.40E-01	2.2E+04	3.3E-02	1.5E+03	4.9E-01
SB-227	N		1	10/21/21	INORG	Selenium	7782-49-2		U	7.40E+01	5.8E+03		3.9E+02	
SB-227	N		1	10/21/21	INORG	Silver	7440-22-4		U	7.40E+00	5.8E+03		3.9E+02	

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
MW-118S	N			06/25/15	VOC	Benzene	71-43-2		U	5.00E-03	5.1E+01		1.2E+01	
MW-118S	N			06/25/15	VOC	Ethyl Benzene	100-41-4	3.80E-02		5.00E-03	2.5E+02	1.5E-04	5.8E+01	6.6E-04
MW-118S	N			06/25/15	VOC	Toluene	108-88-3		U	5.00E-03	4.7E+04		4.9E+03	
MW-118S	N			06/25/15	VOC	Xylenes (total)	1330-20-7	3.30E-02		5.00E-03	2.5E+03	1.3E-05	5.8E+02	5.7E-05
MW-118S	N			06/25/15	SVOC	Naphthalene	91-20-3	1.40E-01		5.00E-03	8.6E+01	1.6E-03	2.0E+01	7.0E-03
MW-120	N	27	28	06/30/15	VOC	Benzene	71-43-2		U	2.00E-01	5.1E+01		1.2E+01	
MW-120	N	27	28	06/30/15	VOC	Ethyl Benzene	100-41-4		U	2.00E-01	2.5E+02		5.8E+01	
MW-120	N	27	28	06/30/15	VOC	Toluene	108-88-3		U	2.00E-01	4.7E+04		4.9E+03	
MW-120	N	27	28	06/30/15	VOC	Xylenes (total)	1330-20-7	8.70E-02	J	2.00E-01	2.5E+03	3.5E-05	5.8E+02	1.5E-04
MW-120	N	27	28	06/30/15	SVOC	Naphthalene	91-20-3	6.20E-01		2.00E-01	8.6E+01	7.2E-03	2.0E+01	3.1E-02
MW-121	N	24	25	07/01/15	VOC	Benzene	71-43-2	7.00E-02	J	2.10E-01	5.1E+01	1.4E-03	1.2E+01	5.8E-03
MW-121	N	24	25	07/01/15	VOC	Ethyl Benzene	100-41-4	7.10E-02	J	2.10E-01	2.5E+02	2.8E-04	5.8E+01	1.2E-03
MW-121	N	24	25	07/01/15	VOC	Toluene	108-88-3		U	2.10E-01	4.7E+04		4.9E+03	
MW-121	N	24	25	07/01/15	VOC	Xylenes (total)	1330-20-7	1.40E+00		2.10E-01	2.5E+03	5.6E-04	5.8E+02	2.4E-03
MW-121	N	24	25	07/01/15	SVOC	Naphthalene	91-20-3	4.80E+00		2.10E-01	8.6E+01	5.6E-02	2.0E+01	2.4E-01
MW-122	N	23	24	06/24/15	VOC	Benzene	71-43-2		U	2.10E-01	5.1E+01		1.2E+01	
MW-122	N	23	24	06/24/15	VOC	Ethyl Benzene	100-41-4	1.60E-01	J	2.10E-01	2.5E+02	6.4E-04	5.8E+01	2.8E-03
MW-122	N	23	24	06/24/15	VOC	Toluene	108-88-3		U	2.10E-01	4.7E+04		4.9E+03	
MW-122	N	23	24	06/24/15	VOC	Xylenes (total)	1330-20-7	4.90E-01		2.10E-01	2.5E+03	2.0E-04	5.8E+02	8.4E-04
MW-122	N	23	24	06/24/15	SVOC	Naphthalene	91-20-3	2.50E+00		2.10E-01	8.6E+01	2.9E-02	2.0E+01	1.3E-01
MW-123S	N	24	25	07/07/15	VOC	Benzene	71-43-2	2.80E-02	J	2.00E-01	5.1E+01	5.5E-04	1.2E+01	2.3E-03
MW-123S	N	24	25	07/07/15	VOC	Ethyl Benzene	100-41-4	7.80E-01		2.00E-01	2.5E+02	3.1E-03	5.8E+01	1.3E-02
MW-123S	N	24	25	07/07/15	VOC	Toluene	108-88-3		U	2.00E-01	4.7E+04		4.9E+03	
MW-123S	N	24	25	07/07/15	VOC	Xylenes (total)	1330-20-7	8.60E-01		2.00E-01	2.5E+03	3.4E-04	5.8E+02	1.5E-03
MW-123S	N	24	25	07/07/15	SVOC	Naphthalene	91-20-3	3.40E+00		2.00E-01	8.6E+01	4.0E-02	2.0E+01	1.7E-01
RW-05S	N	24	25	06/29/15	VOC	Benzene	71-43-2		U	2.70E-01	5.1E+01		1.2E+01	
RW-05S	N	24	25	06/29/15	VOC	Ethyl Benzene	100-41-4	1.70E-01	J	2.70E-01	2.5E+02	6.8E-04	5.8E+01	2.9E-03
RW-05S	N	24	25	06/29/15	VOC	Toluene	108-88-3		U	2.70E-01	4.7E+04		4.9E+03	
RW-05S	N	24	25	06/29/15	VOC	Xylenes (total)	1330-20-7	6.10E-01		2.70E-01	2.5E+03	2.4E-04	5.8E+02	1.1E-03
RW-05S	N	24	25	06/29/15	SVOC	Naphthalene	91-20-3	1.70E+00		2.70E-01	8.6E+01	2.0E-02	2.0E+01	8.5E-02
RW-116S	N			06/25/15	VOC	Benzene	71-43-2	8.40E-02	J	4.40E-01	5.1E+01	1.6E-03	1.2E+01	7.0E-03
RW-116S	N			06/25/15	VOC	Ethyl Benzene	100-41-4	8.70E-01		4.40E-01	2.5E+02	3.5E-03	5.8E+01	1.5E-02
RW-116S	N			06/25/15	VOC	Toluene	108-88-3		U	4.40E-01	4.7E+04		4.9E+03	
RW-116S	N			06/25/15	VOC	Xylenes (total)	1330-20-7	8.20E-01		4.40E-01	2.5E+03	3.3E-04	5.8E+02	1.4E-03
RW-116S	N			06/25/15	SVOC	Naphthalene	91-20-3	1.10E+00		4.40E-01	8.6E+01	1.3E-02	2.0E+01	5.5E-02
RW-117S	N	29	30	06/23/15	VOC	Benzene	71-43-2	6.40E-02	J	3.40E-01	5.1E+01	1.3E-03	1.2E+01	5.3E-03
RW-117S	N	29	30	06/23/15	VOC	Ethyl Benzene	100-41-4	8.10E-02	J	3.40E-01	2.5E+02	3.2E-04	5.8E+01	1.4E-03
RW-117S	N	29	30	06/23/15	VOC	Toluene	108-88-3		U	3.40E-01	4.7E+04		4.9E+03	
RW-117S	N	29	30	06/23/15	VOC	Xylenes (total)	1330-20-7		U	3.40E-01	2.5E+03		5.8E+02	
RW-117S	N	29	30	06/23/15	SVOC	Naphthalene	91-20-3	6.60E-01		3.40E-01	8.6E+01	7.7E-03	2.0E+01	3.3E-02
RW-28S	N	27	27	07/06/15	VOC	Benzene	71-43-2	1.00E-03	J	4.00E-03	5.1E+01	2.0E-05	1.2E+01	8.3E-05
RW-28S	N	27	27	07/06/15	VOC	Ethyl Benzene	100-41-4	1.90E-02		4.00E-03	2.5E+02	7.6E-05	5.8E+01	3.3E-04
RW-28S	N	27	27	07/06/15	VOC	Toluene	108-88-3		U	4.00E-03	4.7E+04		4.9E+03	
RW-28S	N	27	27	07/06/15	VOC	Xylenes (total)	1330-20-7	3.00E-03	J	4.00E-03	2.5E+03	1.2E-06	5.8E+02	5.2E-06

**Attachment 1-1: Soil Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample Type	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/kg)	Qual	Limit (mg/kg)	Industrial Regional Screening Levels (mg/kg)	Ratio of Conc to Industrial RSLs	Residential Regional Screening Levels (mg/kg)	Ratio of Conc to Residential RSLs
SB-227	N		1	10/21/21	INORG	Thallium	7440-28-0		U	1.90E+00	1.2E+01		7.8E-01	
SB-227	N		1	10/21/21	INORG	Vanadium	7440-62-2	1.10E+02		7.40E-01	5.8E+03	1.9E-02	3.9E+02	2.8E-01
SB-227	N		1	10/21/21	INORG	Zinc	7440-66-6	6.70E+01		7.40E-01	3.5E+05	1.9E-04	2.3E+04	2.9E-03

**ATTACHMENT 1-2  
GROUNDWATER CONCENTRATIONS**

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-01S	MW-01S_02/18/20	N	02/18/20	INORG	Iron	7439-89-6	T	3.13E+01		2.00E+00	1.4E+01	2.2E+00	1.4E+01	2.2E+00
MW-01S	MW-01S_02/18/20	N	02/18/20	INORG	Manganese	7439-96-5	T	6.26E+00		1.00E-02	4.8E-01	1.3E+01	4.3E-01	1.5E+01
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	Acetone	67-64-1	T		U	2.00E-02	1.8E+01		1.8E+01	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	Bromodichloromethane	75-27-4	T		U	1.00E-03	8.0E-02		1.3E-03	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	Bromoform	75-25-2	T		U	5.00E-03	8.0E-02		3.3E-02	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	Bromomethane	74-83-9	T		U	1.00E-03	2.8E-02		7.5E-03	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	2-Butanone	78-93-3	T		U	1.00E-02	1.2E+01		5.6E+00	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	Carbon Tetrachloride	56-23-5	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	Chloroethane	75-00-3	T		U	1.00E-03			8.3E+00	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	Chloroform	67-66-3	T		U	1.00E-03	8.0E-02		2.2E-03	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	Chloromethane	74-87-3	T		U	1.00E-03			1.9E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	Cumene	98-82-8	T		U	5.00E-03	2.0E+00		4.5E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	Cyclohexane	110-82-7	T		U	5.00E-03			1.3E+01	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	Dibromochloromethane	124-48-1	T		U	1.00E-03	8.0E-02		8.7E-03	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	1,2-Dichlorobenzene	95-50-1	T		U	5.00E-03	6.0E-01		3.0E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	1,3-Dichlorobenzene	541-73-1	T		U	5.00E-03	1.4E-01		4.8E-03	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	1,4-Dichlorobenzene	106-46-7	T		U	5.00E-03	7.5E-02		4.8E-03	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	Dichlorodifluoromethane	75-71-8	T		U	1.00E-03	4.0E+00		2.0E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	1.00E-03	7.8E-03		4.7E-03	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	Methyl Acetate	79-20-9	T		U	5.00E-03	2.0E+01		2.0E+01	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	Methylcyclohexane	108-87-2	T		U	5.00E-03			1.3E+01	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	Methylene Chloride	75-09-2	T		U	1.00E-03	5.0E-03		1.1E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	Styrene	100-42-5	T		U	5.00E-03	1.0E-01		1.2E+00	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	1.00E-03	3.9E-03		7.6E-04	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	Tetrachloroethene	127-18-4	T		U	1.00E-03	5.0E-03		4.1E-02	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	5.00E-03	7.0E-02		4.0E-03	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	



**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	Trichlorofluoromethane	75-69-4	T		U	1.00E-03	6.0E+00		5.2E+00	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-02	6.0E+02		1.0E+01	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	Vinyl Chloride	75-01-4	T		U	1.00E-03	2.0E-03		1.9E-04	
MW-01S	MW-01S_05/11/20	N	05/11/20	VOC	Xylenes (total)	1330-20-7	T		U	5.00E-03	1.0E+01		1.9E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Acenaphthene	83-32-9	T		U	5.00E-04	1.2E+00		5.3E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Acenaphthylene	208-96-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Acetophenone	98-86-2	T		U	1.00E-02	2.0E+00		1.9E+00	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Anthracene	120-12-7	T		U	5.00E-04	6.0E+00		1.8E+00	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Atrazine	1912-24-9	T		U	5.00E-03	3.0E-03		3.0E-03	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Benzaldehyde	100-52-7	T		U	1.00E-02	1.9E-01		1.9E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	5.00E-04	2.5E-03		3.0E-04	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	5.00E-04	2.0E-04		2.5E-04	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	5.00E-04	2.5E-02		2.5E-02	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-02	9.7E-02		8.3E-04	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	2.00E-03	6.0E-02		5.9E-02	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	2.00E-03	7.1E-04		1.4E-04	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.10E-02	6.0E-03		5.6E-02	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	2.00E-03				
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Butylbenzylphthalate	85-68-7	T		U	5.00E-03	4.1E-01		1.6E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Caprolactam	105-60-2	T		U	1.10E-02	1.0E+01		9.9E+00	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Carbazole	86-74-8	T		U	2.00E-03	8.0E-01		2.9E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	4.00E-03	2.0E+00		1.4E+00	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	4-Chloroaniline	106-47-8	T		U	1.00E-02	3.9E-03		3.7E-03	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-03	1.6E+00		7.5E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	2-Chlorophenol	95-57-8	T		U	2.00E-03	1.0E-01		9.1E-02	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	2.00E-03				
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Chrysene	218-01-9	T		U	5.00E-04	2.5E-01		2.5E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	5.00E-04	2.5E-04		2.5E-04	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-03	2.0E-02		7.9E-03	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.00E-02	1.7E-03		1.3E-03	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	2,4-Dichlorophenol	120-83-2	T		U	2.00E-03	6.0E-02		4.6E-02	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Diethylphthalate	84-66-2	T		U	5.00E-03	1.6E+01		1.5E+01	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.00E-02	4.0E-01		3.6E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Dimethylphthalate	131-11-3	T		U	5.00E-03	1.6E+01		1.5E+01	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Di-n-butylphthalate	84-74-2	T		U	5.00E-03	2.0E+00		9.0E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	2.20E-02	1.6E-03		1.5E-03	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	2,4-Dinitrophenol	51-28-5	T		U	3.10E-02	4.0E-02		3.9E-02	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.10E-02	2.0E-01		2.0E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Fluoranthene	206-44-0	T		U	5.00E-04	8.0E-01		8.0E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Fluorene	86-73-7	T		U	5.00E-04	8.0E-01		2.9E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Hexachlorobenzene	118-74-1	T		U	5.00E-04	1.0E-03		9.8E-05	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Hexachlorobutadiene	87-68-3	T		U	2.00E-03	1.0E-02		1.4E-03	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.10E-02	5.0E-02		4.1E-04	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Hexachloroethane	67-72-1	T		U	5.00E-03	1.4E-02		3.3E-03	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Isophorone	78-59-1	T		U	2.00E-03	8.2E-01		7.8E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	5.00E-04	8.0E-02		3.6E-02	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	2-Methylphenol	95-48-7	T		U	2.00E-03	1.0E+00		9.3E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	4-Methylphenol	106-44-5	T		U	2.00E-03	4.0E-01		3.7E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Naphthalene	91-20-3	T		U	5.00E-04	6.5E-03		1.2E-03	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	2-Nitroaniline	88-74-4	T		U	7.00E-03	2.0E-01		1.9E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	3-Nitroaniline	99-09-2	T		U	7.00E-03	3.9E-02		3.8E-02	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	4-Nitroaniline	100-01-6	T		U	3.00E-03	3.9E-02		3.8E-02	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	2-Nitrophenol	88-75-5	T		U	1.00E-02				
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	4-Nitrophenol	100-02-7	T		U	3.10E-02				
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	3.00E-03	1.6E-01		1.2E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	3.00E-03	1.1E-04		1.1E-04	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	2.00E-03	8.0E-01		7.1E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Pentachlorophenol	87-86-5	T		U	5.00E-03	1.0E-03		4.1E-04	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Phenanthrene	85-01-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Phenol	108-95-2	T		U	2.00E-03	6.0E+00		5.8E+00	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Pyrene	129-00-0	T	2.00E-04	J	5.00E-04	6.0E-01	3.3E-04	1.2E-01	1.7E-03
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	2.00E-03	2.0E+00		1.2E+00	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	2.00E-03	2.0E-02		1.2E-02	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	5.00E-03	2.5E-03		2.4E-03	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	2.00E-03	5.2E-04		4.9E-04	
MW-01S	MW-01S_05/11/20	N	05/11/20	SVOC	Nitrobenzene	98-95-3	T		U	2.00E-03	4.0E-02		1.4E-03	
MW-01S	MW-01S_05/11/20	N	05/11/20	INORG	Antimony	7440-36-0	T		U	5.00E-02	6.0E-03		7.8E-03	
MW-01S	MW-01S_05/11/20	N	05/11/20	INORG	Arsenic	7440-38-2	T		U	3.00E-02	1.0E-02		5.2E-04	
MW-01S	MW-01S_05/11/20	N	05/11/20	INORG	Barium	7440-39-3	T	9.24E-02		5.00E-03	2.0E+00	4.6E-02	3.8E+00	2.4E-02
MW-01S	MW-01S_05/11/20	N	05/11/20	INORG	Beryllium	7440-41-7	T		U	5.00E-03	4.0E-03		2.5E-02	
MW-01S	MW-01S_05/11/20	N	05/11/20	INORG	Cadmium	7440-43-9	T		U	5.00E-03	5.0E-03		1.8E-03	
MW-01S	MW-01S_05/11/20	N	05/11/20	INORG	Chromium (total)	7440-47-3	T	1.80E-03	J	1.50E-02	1.0E-01	1.8E-02	2.2E+01	8.2E-05
MW-01S	MW-01S_05/11/20	N	05/11/20	INORG	Cobalt	7440-48-4	T	4.30E-03	J	5.00E-03	6.0E-03	7.2E-01	6.0E-03	7.2E-01
MW-01S	MW-01S_05/11/20	N	05/11/20	INORG	Copper	7440-50-8	T		U	2.00E-02	1.3E+00		8.0E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	INORG	Iron	7439-89-6	T	4.66E+01		5.00E+00	1.4E+01	3.3E+00	1.4E+01	3.3E+00
MW-01S	MW-01S_05/11/20	N	05/11/20	INORG	Lead	7439-92-1	T		U	1.50E-02	1.5E-02		1.5E-02	
MW-01S	MW-01S_05/11/20	N	05/11/20	INORG	Manganese	7439-96-5	T	6.92E+00		1.00E-02	4.8E-01	1.4E+01	4.3E-01	1.6E+01
MW-01S	MW-01S_05/11/20	N	05/11/20	INORG	Mercury	7439-97-6	T		U	2.00E-04	2.0E-03		5.7E-04	
MW-01S	MW-01S_05/11/20	N	05/11/20	INORG	Molybdenum	7439-98-7	T		U	1.00E-02	1.0E-01		1.0E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	INORG	Nickel	7440-02-0	T	8.20E-03	J	1.00E-02	4.0E-01	2.1E-02	3.9E-01	2.1E-02
MW-01S	MW-01S_05/11/20	N	05/11/20	INORG	Selenium	7782-49-2	T		U	5.00E-02	5.0E-02		1.0E-01	
MW-01S	MW-01S_05/11/20	N	05/11/20	INORG	Silver	7440-22-4	T		U	1.00E-02	1.0E-01		9.4E-02	
MW-01S	MW-01S_05/11/20	N	05/11/20	INORG	Thallium	7440-28-0	T		U	3.00E-02	2.0E-03		2.0E-04	
MW-01S	MW-01S_05/11/20	N	05/11/20	INORG	Vanadium	7440-62-2	T		U	1.00E-02	1.0E-01		8.6E-02	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-01S	MW-01S_05/11/20	N	05/11/20	INORG	Zinc	7440-66-6	T	2.54E-02		2.00E-02	6.0E+00	4.2E-03	6.0E+00	4.2E-03
MW-01S	MW-01S_08122020	N	08/12/20	INORG	Iron	7439-89-6	T	2.60E+01	HF	1.00E+00	1.4E+01	<b>1.9E+00</b>	1.4E+01	<b>1.9E+00</b>
MW-01S	MW-01S_08122020	N	08/12/20	INORG	Manganese	7439-96-5	T	5.60E+00		1.00E-02	4.8E-01	<b>1.2E+01</b>	4.3E-01	<b>1.3E+01</b>
MW-01S	410-33859-1_MW-01S	N	03/26/21	SVOC	Naphthalene	91-20-3	T		U	8.50E-04	6.5E-03		1.2E-03	
MW-01S	MW-01S-03262021	N	03/26/21	SVOC	Naphthalene	91-20-3	T		U	3.20E-04	6.5E-03		1.2E-03	
MW-01S	HRP-MW01S-211102	N	11/02/21	SVOC	Naphthalene	91-20-3	T		U	6.40E-04	6.5E-03		1.2E-03	
MW-01S	HRP-MW-01S-220504	N	05/04/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
MW-01S	HRP-MW01S-221019	N	10/19/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
MW-05	MW-05/RW-05_02/19/20	N	02/19/20	INORG	Iron	7439-89-6	T	3.62E+01		2.00E+00	1.4E+01	<b>2.6E+00</b>	1.4E+01	<b>2.6E+00</b>
MW-05	MW-05/RW-05_02/19/20	N	02/19/20	INORG	Manganese	7439-96-5	T	2.96E+00		1.00E-02	4.8E-01	<b>6.2E+00</b>	4.3E-01	<b>6.9E+00</b>
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	Acetone	67-64-1	T		U	2.00E-02	1.8E+01		1.8E+01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	Benzene	71-43-2	T	4.00E-03		1.00E-03	5.0E-03	8.0E-01	4.6E-03	8.7E-01
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	Bromodichloromethane	75-27-4	T		U	1.00E-03	8.0E-02		1.3E-03	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	Bromoform	75-25-2	T		U	5.00E-03	8.0E-02		3.3E-02	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	Bromomethane	74-83-9	T		U	1.00E-03	2.8E-02		7.5E-03	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	2-Butanone	78-93-3	T		U	1.00E-02	1.2E+01		5.6E+00	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	Carbon Tetrachloride	56-23-5	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	Chloroethane	75-00-3	T		U	1.00E-03			8.3E+00	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	Chloroform	67-66-3	T		U	1.00E-03	8.0E-02		2.2E-03	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	Chloromethane	74-87-3	T		U	1.00E-03			1.9E-01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	Cumene	98-82-8	T	1.00E-03	J	5.00E-03	2.0E+00	5.0E-04	4.5E-01	2.2E-03
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	Cyclohexane	110-82-7	T		U	5.00E-03			1.3E+01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	Dibromochloromethane	124-48-1	T		U	1.00E-03	8.0E-02		8.7E-03	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	1,2-Dichlorobenzene	95-50-1	T		U	5.00E-03	6.0E-01		3.0E-01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	1,3-Dichlorobenzene	541-73-1	T		U	5.00E-03	1.4E-01		4.8E-03	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	1,4-Dichlorobenzene	106-46-7	T		U	5.00E-03	7.5E-02		4.8E-03	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	Dichlorodifluoromethane	75-71-8	T		U	1.00E-03	4.0E+00		2.0E-01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	1.00E-03	7.8E-03		4.7E-03	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	Ethyl Benzene	100-41-4	T	2.00E-03		1.00E-03	7.0E-01	2.9E-03	1.5E-02	1.3E-01
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	Methyl Acetate	79-20-9	T		U	5.00E-03	2.0E+01		2.0E+01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	Methylcyclohexane	108-87-2	T		U	5.00E-03			1.3E+01	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	Methylene Chloride	75-09-2	T		U	1.00E-03	5.0E-03		1.1E-01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	Styrene	100-42-5	T		U	5.00E-03	1.0E-01		1.2E+00	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	1.00E-03	3.9E-03		7.6E-04	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	Tetrachloroethene	127-18-4	T		U	1.00E-03	5.0E-03		4.1E-02	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	Toluene	108-88-3	T	2.00E-04	J	1.00E-03	1.0E+00	2.0E-04	1.1E+00	1.8E-04
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	5.00E-03	7.0E-02		4.0E-03	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	Trichlorofluoromethane	75-69-4	T		U	1.00E-03	6.0E+00		5.2E+00	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-02	6.0E+02		1.0E+01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	Vinyl Chloride	75-01-4	T		U	1.00E-03	2.0E-03		1.9E-04	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	VOC	Xylenes (total)	1330-20-7	T		U	5.00E-03	1.0E+01		1.9E-01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Acenaphthene	83-32-9	T	1.00E-03		5.00E-04	1.2E+00	8.3E-04	5.3E-01	1.9E-03
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Acenaphthylene	208-96-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Acetophenone	98-86-2	T		U	1.00E-02	2.0E+00		1.9E+00	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Anthracene	120-12-7	T		U	5.00E-04	6.0E+00		1.8E+00	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Atrazine	1912-24-9	T		U	5.00E-03	3.0E-03		3.0E-03	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Benzaldehyde	100-52-7	T		U	1.00E-02	1.9E-01		1.9E-01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	5.00E-04	2.5E-03		3.0E-04	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	5.00E-04	2.0E-04		2.5E-04	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	5.00E-04	2.5E-02		2.5E-02	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-02	9.7E-02		8.3E-04	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	2.00E-03	6.0E-02		5.9E-02	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	2.00E-03	7.1E-04		1.4E-04	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.10E-02	6.0E-03		5.6E-02	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	2.00E-03				
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Butylbenzylphthalate	85-68-7	T		U	5.00E-03	4.1E-01		1.6E-01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Caprolactam	105-60-2	T		U	1.10E-02	1.0E+01		9.9E+00	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Carbazole	86-74-8	T		U	2.00E-03	8.0E-01		2.9E-01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	4.00E-03	2.0E+00		1.4E+00	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	4-Chloroaniline	106-47-8	T		U	1.00E-02	3.9E-03		3.7E-03	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-03	1.6E+00		7.5E-01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	2-Chlorophenol	95-57-8	T		U	2.00E-03	1.0E-01		9.1E-02	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	2.00E-03				
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Chrysene	218-01-9	T		U	5.00E-04	2.5E-01		2.5E-01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	5.00E-04	2.5E-04		2.5E-04	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-03	2.0E-02		7.9E-03	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.00E-02	1.7E-03		1.3E-03	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	2,4-Dichlorophenol	120-83-2	T		U	2.00E-03	6.0E-02		4.6E-02	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Diethylphthalate	84-66-2	T		U	5.00E-03	1.6E+01		1.5E+01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.00E-02	4.0E-01		3.6E-01	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Dimethylphthalate	131-11-3	T		U	5.00E-03	1.6E+01		1.5E+01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Di-n-butylphthalate	84-74-2	T		U	5.00E-03	2.0E+00		9.0E-01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	2.10E-02	1.6E-03		1.5E-03	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	2,4-Dinitrophenol	51-28-5	T		U	3.10E-02	4.0E-02		3.9E-02	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.10E-02	2.0E-01		2.0E-01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Fluoranthene	206-44-0	T		U	5.00E-04	8.0E-01		8.0E-01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Fluorene	86-73-7	T		U	5.00E-04	8.0E-01		2.9E-01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Hexachlorobenzene	118-74-1	T		U	5.00E-04	1.0E-03		9.8E-05	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Hexachlorobutadiene	87-68-3	T		U	2.00E-03	1.0E-02		1.4E-03	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.10E-02	5.0E-02		4.1E-04	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Hexachloroethane	67-72-1	T		U	5.00E-03	1.4E-02		3.3E-03	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Isophorone	78-59-1	T		U	2.00E-03	8.2E-01		7.8E-01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	5.00E-04	8.0E-02		3.6E-02	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	2-Methylphenol	95-48-7	T		U	2.00E-03	1.0E+00		9.3E-01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	4-Methylphenol	106-44-5	T		U	2.00E-03	4.0E-01		3.7E-01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Naphthalene	91-20-3	T		U	5.00E-04	6.5E-03		1.2E-03	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	2-Nitroaniline	88-74-4	T		U	7.00E-03	2.0E-01		1.9E-01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	3-Nitroaniline	99-09-2	T		U	7.00E-03	3.9E-02		3.8E-02	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	4-Nitroaniline	100-01-6	T		U	3.00E-03	3.9E-02		3.8E-02	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	2-Nitrophenol	88-75-5	T		U	1.00E-02				
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	4-Nitrophenol	100-02-7	T		U	3.10E-02				
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	3.00E-03	1.6E-01		1.2E-01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	3.00E-03	1.1E-04		1.1E-04	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	2.00E-03	8.0E-01		7.1E-01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Pentachlorophenol	87-86-5	T		U	5.00E-03	1.0E-03		4.1E-04	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Phenanthrene	85-01-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Phenol	108-95-2	T		U	2.00E-03	6.0E+00		5.8E+00	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Pyrene	129-00-0	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	2.00E-03	2.0E+00		1.2E+00	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	2.00E-03	2.0E-02		1.2E-02	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	5.00E-03	2.5E-03		2.4E-03	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	2.00E-03	5.2E-04		4.9E-04	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	SVOC	Nitrobenzene	98-95-3	T		U	2.00E-03	4.0E-02		1.4E-03	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	INORG	Antimony	7440-36-0	T		U	5.00E-02	6.0E-03		7.8E-03	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	INORG	Arsenic	7440-38-2	T		U	3.00E-02	1.0E-02		5.2E-04	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	INORG	Barium	7440-39-3	T	1.55E-01		5.00E-03	2.0E+00	7.8E-02	3.8E+00	4.1E-02
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	INORG	Beryllium	7440-41-7	T		U	5.00E-03	4.0E-03		2.5E-02	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	INORG	Cadmium	7440-43-9	T		U	5.00E-03	5.0E-03		1.8E-03	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	INORG	Chromium (total)	7440-47-3	T	1.90E-03	J	1.50E-02	1.0E-01	1.9E-02	2.2E+01	8.6E-05
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	INORG	Cobalt	7440-48-4	T		U	5.00E-03	6.0E-03		6.0E-03	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	INORG	Copper	7440-50-8	T		U	2.00E-02	1.3E+00		8.0E-01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	INORG	Lead	7439-92-1	T		U	1.50E-02	1.5E-02		1.5E-02	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	INORG	Mercury	7439-97-6	T		U	2.00E-04	2.0E-03		5.7E-04	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	INORG	Molybdenum	7439-98-7	T		U	1.00E-02	1.0E-01		1.0E-01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	INORG	Nickel	7440-02-0	T	1.62E-02		1.00E-02	4.0E-01	4.1E-02	3.9E-01	4.2E-02
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	INORG	Selenium	7782-49-2	T		U	5.00E-02	5.0E-02		1.0E-01	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	INORG	Silver	7440-22-4	T		U	1.00E-02	1.0E-01		9.4E-02	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	INORG	Thallium	7440-28-0	T		U	3.00E-02	2.0E-03		2.0E-04	
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	INORG	Vanadium	7440-62-2	T	5.90E-03	J	1.00E-02	1.0E-01	5.9E-02	8.6E-02	6.9E-02
MW-05	MW-05/RW-05_05/12/20	N	05/12/20	INORG	Zinc	7440-66-6	T		U	2.00E-02	6.0E+00		6.0E+00	
MW-05	410-33562-1_RW-05	N	03/23/21	SVOC	Naphthalene	91-20-3	T		U	1.60E-04	6.5E-03		1.2E-03	
MW-05	RW-05-03232021	N	03/23/21	SVOC	Naphthalene	91-20-3	T		U	6.00E-05	6.5E-03		1.2E-03	
MW-05	HRP-MW05-211102	N	11/02/21	SVOC	Naphthalene	91-20-3	T	1.10E-03		6.40E-04	6.5E-03	1.7E-01	1.2E-03	9.2E-01
MW-05	HRP-MW-05-220504	N	05/04/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
MW-05	HRP-MW05-221020	N	10/20/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	Acetone	67-64-1	T	1.00E-03	J	2.00E-02	1.8E+01	5.6E-05	1.8E+01	5.6E-05
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	Benzene	71-43-2	T	7.00E-03		1.00E-03	5.0E-03	<b>1.4E+00</b>	4.6E-03	<b>1.5E+00</b>
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	Bromodichloromethane	75-27-4	T		U	1.00E-03	8.0E-02		1.3E-03	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	Bromoform	75-25-2	T		U	5.00E-03	8.0E-02		3.3E-02	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	Bromomethane	74-83-9	T		U	1.00E-03	2.8E-02		7.5E-03	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	2-Butanone	78-93-3	T		U	1.00E-02	1.2E+01		5.6E+00	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	Carbon Tetrachloride	56-23-5	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	Chloroethane	75-00-3	T		U	1.00E-03			8.3E+00	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	Chloroform	67-66-3	T		U	1.00E-03	8.0E-02		2.2E-03	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	Chloromethane	74-87-3	T		U	1.00E-03			1.9E-01	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	Cumene	98-82-8	T	4.00E-04	J	5.00E-03	2.0E+00	2.0E-04	4.5E-01	8.9E-04
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	Cyclohexane	110-82-7	T		U	5.00E-03			1.3E+01	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	Dibromochloromethane	124-48-1	T		U	1.00E-03	8.0E-02		8.7E-03	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	1,2-Dichlorobenzene	95-50-1	T		U	5.00E-03	6.0E-01		3.0E-01	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	1,3-Dichlorobenzene	541-73-1	T		U	5.00E-03	1.4E-01		4.8E-03	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	1,4-Dichlorobenzene	106-46-7	T		U	5.00E-03	7.5E-02		4.8E-03	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	Dichlorodifluoromethane	75-71-8	T		U	1.00E-03	4.0E+00		2.0E-01	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	1.00E-03	7.8E-03		4.7E-03	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	Methyl Acetate	79-20-9	T		U	5.00E-03	2.0E+01		2.0E+01	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	Methylcyclohexane	108-87-2	T		U	5.00E-03			1.3E+01	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	Methylene Chloride	75-09-2	T		U	1.00E-03	5.0E-03		1.1E-01	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	Styrene	100-42-5	T		U	5.00E-03	1.0E-01		1.2E+00	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	1.00E-03	3.9E-03		7.6E-04	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	Tetrachloroethene	127-18-4	T		U	1.00E-03	5.0E-03		4.1E-02	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	Toluene	108-88-3	T	3.00E-04	J	1.00E-03	1.0E+00	3.0E-04	1.1E+00	2.7E-04
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	5.00E-03	7.0E-02		4.0E-03	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	Trichlorofluoromethane	75-69-4	T		U	1.00E-03	6.0E+00		5.2E+00	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-02	6.0E+02		1.0E+01	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	Vinyl Chloride	75-01-4	T		U	1.00E-03	2.0E-03		1.9E-04	
MW-08S	MW-08S_05/11/20	N	05/11/20	VOC	Xylenes (total)	1330-20-7	T		U	5.00E-03	1.0E+01		1.9E-01	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Acenaphthene	83-32-9	T	2.00E-03		5.00E-04	1.2E+00	1.7E-03	5.3E-01	3.8E-03
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Acenaphthylene	208-96-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Acetophenone	98-86-2	T		U	1.00E-02	2.0E+00		1.9E+00	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Anthracene	120-12-7	T		U	5.00E-04	6.0E+00		1.8E+00	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Atrazine	1912-24-9	T		U	5.00E-03	3.0E-03		3.0E-03	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Benzaldehyde	100-52-7	T		U	1.00E-02	1.9E-01		1.9E-01	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	5.00E-04	2.5E-03		3.0E-04	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	5.00E-04	2.0E-04		2.5E-04	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	5.00E-04	2.5E-02		2.5E-02	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-02	9.7E-02		8.3E-04	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	2.00E-03	6.0E-02		5.9E-02	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	2.00E-03	7.1E-04		1.4E-04	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.10E-02	6.0E-03		5.6E-02	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	2.00E-03				
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Butylbenzylphthalate	85-68-7	T		U	5.00E-03	4.1E-01		1.6E-01	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Caprolactam	105-60-2	T		U	1.10E-02	1.0E+01		9.9E+00	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Carbazole	86-74-8	T		U	2.00E-03	8.0E-01		2.9E-01	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	4.00E-03	2.0E+00		1.4E+00	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	4-Chloroaniline	106-47-8	T		U	1.00E-02	3.9E-03		3.7E-03	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-03	1.6E+00		7.5E-01	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	2-Chlorophenol	95-57-8	T		U	2.00E-03	1.0E-01		9.1E-02	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	2.00E-03				
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Chrysene	218-01-9	T		U	5.00E-04	2.5E-01		2.5E-01	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	5.00E-04	2.5E-04		2.5E-04	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-03	2.0E-02		7.9E-03	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.00E-02	1.7E-03		1.3E-03	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	2,4-Dichlorophenol	120-83-2	T		U	2.00E-03	6.0E-02		4.6E-02	



**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Diethylphthalate	84-66-2	T		U	5.00E-03	1.6E+01		1.5E+01	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.00E-02	4.0E-01		3.6E-01	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Dimethylphthalate	131-11-3	T		U	5.00E-03	1.6E+01		1.5E+01	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Di-n-butylphthalate	84-74-2	T		U	5.00E-03	2.0E+00		9.0E-01	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	2.20E-02	1.6E-03		1.5E-03	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	2,4-Dinitrophenol	51-28-5	T		U	3.10E-02	4.0E-02		3.9E-02	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.10E-02	2.0E-01		2.0E-01	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Fluoranthene	206-44-0	T		U	5.00E-04	8.0E-01		8.0E-01	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Fluorene	86-73-7	T	2.00E-03		5.00E-04	8.0E-01	2.5E-03	2.9E-01	6.9E-03
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Hexachlorobenzene	118-74-1	T		U	5.00E-04	1.0E-03		9.8E-05	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Hexachlorobutadiene	87-68-3	T		U	2.00E-03	1.0E-02		1.4E-03	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.10E-02	5.0E-02		4.1E-04	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Hexachloroethane	67-72-1	T		U	5.00E-03	1.4E-02		3.3E-03	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Isophorone	78-59-1	T		U	2.00E-03	8.2E-01		7.8E-01	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	5.00E-04	8.0E-02		3.6E-02	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	2-Methylphenol	95-48-7	T		U	2.00E-03	1.0E+00		9.3E-01	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	4-Methylphenol	106-44-5	T		U	2.00E-03	4.0E-01		3.7E-01	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Naphthalene	91-20-3	T		U	5.00E-04	6.5E-03		1.2E-03	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	2-Nitroaniline	88-74-4	T		U	7.00E-03	2.0E-01		1.9E-01	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	3-Nitroaniline	99-09-2	T		U	7.00E-03	3.9E-02		3.8E-02	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	4-Nitroaniline	100-01-6	T		U	3.00E-03	3.9E-02		3.8E-02	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	2-Nitrophenol	88-75-5	T		U	1.00E-02				
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	4-Nitrophenol	100-02-7	T		U	3.10E-02				
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	3.00E-03	1.6E-01		1.2E-01	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	3.00E-03	1.1E-04		1.1E-04	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	2.00E-03	8.0E-01		7.1E-01	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Pentachlorophenol	87-86-5	T		U	5.00E-03	1.0E-03		4.1E-04	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Phenanthrene	85-01-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Phenol	108-95-2	T		U	2.00E-03	6.0E+00		5.8E+00	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Pyrene	129-00-0	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	2.00E-03	2.0E+00		1.2E+00	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	2.00E-03	2.0E-02		1.2E-02	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	5.00E-03	2.5E-03		2.4E-03	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	2.00E-03	5.2E-04		4.9E-04	
MW-08S	MW-08S_05/11/20	N	05/11/20	SVOC	Nitrobenzene	98-95-3	T		U	2.00E-03	4.0E-02		1.4E-03	
MW-08S	MW-08S_05/11/20	N	05/11/20	INORG	Antimony	7440-36-0	T		U	5.00E-02	6.0E-03		7.8E-03	
MW-08S	MW-08S_05/11/20	N	05/11/20	INORG	Arsenic	7440-38-2	T		U	3.00E-02	1.0E-02		5.2E-04	
MW-08S	MW-08S_05/11/20	N	05/11/20	INORG	Barium	7440-39-3	T	1.39E-01		5.00E-03	2.0E+00	7.0E-02	3.8E+00	3.7E-02
MW-08S	MW-08S_05/11/20	N	05/11/20	INORG	Beryllium	7440-41-7	T		U	5.00E-03	4.0E-03		2.5E-02	
MW-08S	MW-08S_05/11/20	N	05/11/20	INORG	Cadmium	7440-43-9	T		U	5.00E-03	5.0E-03		1.8E-03	
MW-08S	MW-08S_05/11/20	N	05/11/20	INORG	Chromium (total)	7440-47-3	T	2.80E-03	J	1.50E-02	1.0E-01	2.8E-02	2.2E+01	1.3E-04
MW-08S	MW-08S_05/11/20	N	05/11/20	INORG	Cobalt	7440-48-4	T		U	5.00E-03	6.0E-03		6.0E-03	
MW-08S	MW-08S_05/11/20	N	05/11/20	INORG	Copper	7440-50-8	T		U	2.00E-02	1.3E+00		8.0E-01	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-08S	MW-08S_05/11/20	N	05/11/20	INORG	Lead	7439-92-1	T		U	1.50E-02	1.5E-02		1.5E-02	
MW-08S	MW-08S_05/11/20	N	05/11/20	INORG	Mercury	7439-97-6	T		U	2.00E-04	2.0E-03		5.7E-04	
MW-08S	MW-08S_05/11/20	N	05/11/20	INORG	Molybdenum	7439-98-7	T		U	1.00E-02	1.0E-01		1.0E-01	
MW-08S	MW-08S_05/11/20	N	05/11/20	INORG	Nickel	7440-02-0	T	2.60E-03	J	1.00E-02	4.0E-01	6.5E-03	3.9E-01	6.7E-03
MW-08S	MW-08S_05/11/20	N	05/11/20	INORG	Selenium	7782-49-2	T		U	5.00E-02	5.0E-02		1.0E-01	
MW-08S	MW-08S_05/11/20	N	05/11/20	INORG	Silver	7440-22-4	T		U	1.00E-02	1.0E-01		9.4E-02	
MW-08S	MW-08S_05/11/20	N	05/11/20	INORG	Thallium	7440-28-0	T		U	3.00E-02	2.0E-03		2.0E-04	
MW-08S	MW-08S_05/11/20	N	05/11/20	INORG	Vanadium	7440-62-2	T	4.60E-03	J	1.00E-02	1.0E-01	4.6E-02	8.6E-02	5.3E-02
MW-08S	MW-08S_05/11/20	N	05/11/20	INORG	Zinc	7440-66-6	T		U	2.00E-02	6.0E+00		6.0E+00	
MW-08S	410-33859-1_MW-08S	N	03/25/21	SVOC	Naphthalene	91-20-3	T		U	8.40E-04	6.5E-03		1.2E-03	
MW-08S	MW-08S-03252021	N	03/25/21	SVOC	Naphthalene	91-20-3	T		U	3.10E-04	6.5E-03		1.2E-03	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Acetone	67-64-1	T		U	5.00E-02	1.8E+01		1.8E+01	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Acrylonitrile	107-13-1	T		U	5.00E-03	1.4E-03		5.2E-04	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Bromobenzene	108-86-1	T		U	1.00E-03	1.6E-01		6.2E-02	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Bromochloromethane	74-97-5	T		U	1.00E-03			8.3E-02	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Bromodichloromethane	75-27-4	T		U	5.00E-04	8.0E-02		1.3E-03	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Bromoform	75-25-2	T		U	1.00E-03	8.0E-02		3.3E-02	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Bromomethane	74-83-9	T		U	5.00E-03	2.8E-02		7.5E-03	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	2-Butanone	78-93-3	T		U	2.00E-02	1.2E+01		5.6E+00	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	n-Butylbenzene	104-51-8	T		U	1.00E-03	1.0E+00		1.0E+00	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	sec-Butylbenzene	135-98-8	T		U	1.00E-03	2.0E+00		2.0E+00	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	tert-Butylbenzene	98-06-6	T		U	1.00E-03	2.0E+00		6.9E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Carbon Tetrachloride	56-23-5	T		U	5.00E-03	5.0E-03		4.6E-03	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Chloroethane	75-00-3	T		U	2.00E-03			8.3E+00	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Chloroform	67-66-3	T		U	2.00E-03	8.0E-02		2.2E-03	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Chloromethane	74-87-3	T		U	2.00E-03			1.9E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	2-Chlorotoluene	95-49-8	T		U	1.00E-03	4.0E-01		2.4E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	4-Chlorotoluene	106-43-4	T		U	1.00E-03	4.0E-01		2.5E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Cumene	98-82-8	T		U	1.00E-03	2.0E+00		4.5E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	p-Cymene	99-87-6	T		U	1.00E-03				
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Dibromochloromethane	124-48-1	T		U	5.00E-04	8.0E-02		8.7E-03	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	1,2-Dibromoethane	106-93-4	T		U	5.00E-04	5.0E-05		7.5E-05	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Dibromomethane	74-95-3	T		U	1.00E-03			8.3E-03	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6	T		U	2.00E-03			1.3E-05	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	1,2-Dichlorobenzene	95-50-1	T		U	1.00E-03	6.0E-01		3.0E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	1,3-Dichlorobenzene	541-73-1	T		U	1.00E-03	1.4E-01		4.8E-03	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	1,4-Dichlorobenzene	106-46-7	T		U	1.00E-03	7.5E-02		4.8E-03	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Dichlorodifluoromethane	75-71-8	T		U	2.00E-03	4.0E+00		2.0E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	1,2-Dichloroethane	107-06-2	T		U	1.00E-03	5.0E-03		1.7E-03	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	1,3-Dichloropropane	142-28-9	T		U	5.00E-04	4.0E-01		3.7E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	2,2-Dichloropropane	594-20-7	T		U	1.00E-03				
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	1,1-Dichloropropene	563-58-6	T		U	2.00E-03				
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	5.00E-04	7.8E-03		4.7E-03	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	1,4-Dioxane	123-91-1	T		U	5.00E-02	7.8E-03		4.6E-03	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Ethanol	64-17-5	T		U	1.00E+01				
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Ethyl tert-butyl ether	637-92-3	T		U	5.00E-04	2.0E+01		7.0E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Diethyl ether	60-29-7	T		U	2.00E-03	4.0E+00		3.9E+00	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Isopropanol	67-63-0	T		U	1.00E+01	4.0E+01		4.1E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Methanol	67-56-1	T		U	1.00E+01	4.0E+01		2.0E+01	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Methyl Acetate	79-20-9	T		U	1.00E-03	2.0E+01		2.0E+01	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Methylcyclohexane	108-87-2	T		U	1.00E-03			1.3E+01	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Methylene Chloride	75-09-2	T		U	5.00E-03	5.0E-03		1.1E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Diisopropyl ether	108-20-3	T		U	5.00E-04			1.5E+00	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	n-Propylbenzene	103-65-1	T		U	1.00E-03	2.0E+00		6.6E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Styrene	100-42-5	T		U	1.00E-03	1.0E-01		1.2E+00	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	tert-Butyl alcohol	75-65-0	T		U	2.00E-02	1.6E+00		1.5E+00	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6	T		U	1.00E-03	3.0E-02		5.7E-03	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	5.00E-04	3.9E-03		7.6E-04	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Tetrachloroethene	127-18-4	T		U	1.00E-03	5.0E-03		4.1E-02	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Tetrahydrofuran	109-99-9	T		U	1.00E-02	1.8E+01		3.4E+00	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	1,2,3-Trichlorobenzene	87-61-6	T		U	5.00E-03	1.6E-02		7.0E-03	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	1.00E-03	7.0E-02		4.0E-03	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	1,3,5-Trichlorobenzene	108-70-3	T		U	1.00E-03				
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Trichlorofluoromethane	75-69-4	T		U	2.00E-03	6.0E+00		5.2E+00	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	1,2,3-Trichloropropane	96-18-4	T		U	2.00E-03	8.4E-06		7.5E-06	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-03	6.0E+02		1.0E+01	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	1,2,4-Trimethylbenzene	95-63-6	T		U	1.00E-03	2.0E-01		5.6E-02	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	1,3,5-Trimethylbenzene	108-67-8	T		U	1.00E-03	2.0E-01		6.0E-02	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Vinyl Chloride	75-01-4	T		U	2.00E-03	2.0E-03		1.9E-04	
MW-100S	HRP-MW100S-211028	N	10/28/21	VOC	Xylenes (total)	1330-20-7	T		U	2.00E-03	1.0E+01		1.9E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Acenaphthene	83-32-9	T		U	5.10E-03	1.2E+00		5.3E-01	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Acenaphthylene	208-96-8	T		U	5.10E-03	6.0E-01		1.2E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Acetophenone	98-86-2	T		U	1.00E-02	2.0E+00		1.9E+00	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	t-Amyl methyl ether	994-05-8	T		U	5.00E-04				
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Aniline	62-53-3	T		U	5.10E-03	1.4E-01		1.3E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Anthracene	120-12-7	T		U	5.10E-03	6.0E+00		1.8E+00	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Benzidine	92-87-5	T		U	2.00E-02	1.1E-06		1.1E-06	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Benzo(a)anthracene	56-55-3	T		U	5.10E-03	2.5E-03		3.0E-04	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Benzo(a)pyrene	50-32-8	T		U	5.10E-03	2.0E-04		2.5E-04	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	5.10E-03	2.5E-03		2.5E-03	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	5.10E-03	6.0E-01		1.2E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	5.10E-03	2.5E-02		2.5E-02	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Benzoic Acid	65-85-0	T		U	1.00E-02	8.0E+01		7.5E+01	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	1.00E-02	6.0E-02		5.9E-02	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	1.00E-02	7.1E-04		1.4E-04	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.00E-02	6.0E-03		5.6E-02	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	1.00E-02				
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Butylbenzylphthalate	85-68-7	T		U	1.00E-02	4.1E-01		1.6E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Carbazole	86-74-8	T		U	1.00E-02	8.0E-01		2.9E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	1.00E-02	2.0E+00		1.4E+00	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	4-Chloroaniline	106-47-8	T		U	1.00E-02	3.9E-03		3.7E-03	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-02	1.6E+00		7.5E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	2-Chlorophenol	95-57-8	T		U	1.00E-02	1.0E-01		9.1E-02	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	1.00E-02				
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Chrysene	218-01-9	T		U	5.10E-03	2.5E-01		2.5E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	5.10E-03	2.5E-04		2.5E-04	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Dibenzofuran	132-64-9	T		U	5.10E-03	2.0E-02		7.9E-03	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.00E-02	1.7E-03		1.3E-03	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	2,4-Dichlorophenol	120-83-2	T		U	1.00E-02	6.0E-02		4.6E-02	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Diethylphthalate	84-66-2	T		U	1.00E-02	1.6E+01		1.5E+01	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.00E-02	4.0E-01		3.6E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Dimethylphthalate	131-11-3	T		U	1.00E-02	1.6E+01		1.5E+01	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Di-n-butylphthalate	84-74-2	T		U	1.00E-02	2.0E+00		9.0E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	1.00E-02	1.6E-03		1.5E-03	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	2,4-Dinitrophenol	51-28-5	T		U	1.00E-02	4.0E-02		3.9E-02	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.00E-02	2.0E-01		2.0E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	1,2-Diphenylhydrazine	122-66-7	T		U	1.00E-02	9.7E-04		7.8E-04	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Ethylene Glycol	107-21-1	T		U	1.00E+01	1.6E+01		1.6E+01	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Fluoranthene	206-44-0	T		U	5.10E-03	8.0E-01		8.0E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Fluorene	86-73-7	T		U	5.10E-03	8.0E-01		2.9E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Hexachlorobenzene	118-74-1	T		U	1.00E-02	1.0E-03		9.8E-05	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Hexachlorobutadiene	87-68-3	T		U	6.00E-04	1.0E-02		1.4E-03	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.00E-02	5.0E-02		4.1E-04	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Hexachloroethane	67-72-1	T		U	1.00E-02	1.4E-02		3.3E-03	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	5.10E-03	2.5E-03		2.5E-03	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Isophorone	78-59-1	T		U	1.00E-02	8.2E-01		7.8E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	1-Methylnaphthalene	90-12-0	T		U	5.10E-03	2.7E-02		1.1E-02	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	2-Methylnaphthalene	91-57-6	T		U	5.10E-03	8.0E-02		3.6E-02	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	2-Methylphenol	95-48-7	T		U	1.00E-02	1.0E+00		9.3E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	3&4-Methylphenol	65794-96-9	T		U	1.00E-02				
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Naphthalene	91-20-3	T		U	2.00E-03	6.5E-03		1.2E-03	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	2-Nitroaniline	88-74-4	T		U	1.00E-02	2.0E-01		1.9E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	3-Nitroaniline	99-09-2	T		U	1.00E-02	3.9E-02		3.8E-02	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	4-Nitroaniline	100-01-6	T		U	1.00E-02	3.9E-02		3.8E-02	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	2-Nitrophenol	88-75-5	T		U	1.00E-02				
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	4-Nitrophenol	100-02-7	T		U	1.00E-02				
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	N-Nitrosodimethylamine	62-75-9	T		U	1.00E-02	4.9E-06		1.1E-06	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	1.00E-02	1.6E-01		1.2E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	1.00E-02	1.1E-04		1.1E-04	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	1.00E-02	8.0E-01		7.1E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Pentachloronitrobenzene	82-68-8	T		U	1.00E-02	3.0E-03		1.2E-03	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Pentachlorophenol	87-86-5	T		U	1.00E-02	1.0E-03		4.1E-04	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Phenanthrene	85-01-8	T		U	5.10E-03	6.0E-01		1.2E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Phenol	108-95-2	T		U	1.00E-02	6.0E+00		5.8E+00	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Propylene glycol	57-55-6	T		U	1.00E+01	4.0E+02		4.0E+02	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Pyrene	129-00-0	T		U	5.10E-03	6.0E-01		1.2E-01	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Pyridine	110-86-1	T		U	5.10E-03	2.0E-02		2.0E-02	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3	T		U	1.00E-02	6.0E-04		1.7E-04	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	1.00E-02	2.0E+00		1.2E+00	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	1.00E-02	2.0E-02		1.2E-02	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	1.00E-02	2.5E-03		2.4E-03	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	1.00E-02	5.2E-04		4.9E-04	
MW-100S	HRP-MW100S-211028	N	10/28/21	SVOC	Nitrobenzene	98-95-3	T		U	1.00E-02	4.0E-02		1.4E-03	
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Aluminum	7429-90-5	D		U	5.00E-02	2.0E+01		2.0E+01	
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Aluminum	7429-90-5	T		U	5.00E-02	2.0E+01		2.0E+01	
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Antimony	7440-36-0	D		U	1.00E-03	6.0E-03		7.8E-03	
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Antimony	7440-36-0	T		U	1.00E-03	6.0E-03		7.8E-03	
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Arsenic	7440-38-2	D	9.10E-04		8.00E-04	1.0E-02	9.1E-02	5.2E-04	<b>1.8E+00</b>
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Arsenic	7440-38-2	T		U	8.00E-04	1.0E-02		5.2E-04	
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Barium	7440-39-3	D	5.00E-02		1.00E-02	2.0E+00	2.5E-02	3.8E+00	1.3E-02
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Barium	7440-39-3	T	4.90E-02		1.00E-02	2.0E+00	2.5E-02	3.8E+00	1.3E-02
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Beryllium	7440-41-7	D	9.40E-04		4.00E-04	4.0E-03	2.4E-01	2.5E-02	3.8E-02
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Beryllium	7440-41-7	T	7.10E-04		4.00E-04	4.0E-03	1.8E-01	2.5E-02	2.8E-02
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Cadmium	7440-43-9	D	1.10E-02		2.00E-04	5.0E-03	<b>2.2E+00</b>	1.8E-03	<b>6.1E+00</b>
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Cadmium	7440-43-9	T	1.20E-02		2.00E-04	5.0E-03	<b>2.4E+00</b>	1.8E-03	<b>6.7E+00</b>
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Chromium (total)	7440-47-3	D		U	1.00E-03	1.0E-01		2.2E+01	
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Chromium (total)	7440-47-3	T		U	1.00E-03	1.0E-01		2.2E+01	
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Cobalt	7440-48-4	D	4.10E-01		1.00E-03	6.0E-03	<b>6.8E+01</b>	6.0E-03	<b>6.8E+01</b>
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Cobalt	7440-48-4	T	3.60E-01		1.00E-03	6.0E-03	<b>6.0E+01</b>	6.0E-03	<b>6.0E+01</b>

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Copper	7440-50-8	D	3.00E-03		1.00E-03	1.3E+00	2.3E-03	8.0E-01	3.8E-03
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Copper	7440-50-8	T	2.00E-03		1.00E-03	1.3E+00	1.5E-03	8.0E-01	2.5E-03
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Iron	7439-89-6	D	3.10E+01		5.00E-02	1.4E+01	<b>2.2E+00</b>	1.4E+01	<b>2.2E+00</b>
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Iron	7439-89-6	T	1.50E+01		5.00E-02	1.4E+01	<b>1.1E+00</b>	1.4E+01	<b>1.1E+00</b>
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Lead	7439-92-1	D	1.70E-04	J	5.00E-04	1.5E-02	1.1E-02	1.5E-02	1.1E-02
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Lead	7439-92-1	T	1.60E-04	J	5.00E-04	1.5E-02	1.1E-02	1.5E-02	1.1E-02
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Manganese	7439-96-5	D	1.30E+01		1.00E-02	4.8E-01	<b>2.7E+01</b>	4.3E-01	<b>3.0E+01</b>
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Manganese	7439-96-5	T	9.90E+00		1.00E-03	4.8E-01	<b>2.1E+01</b>	4.3E-01	<b>2.3E+01</b>
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Mercury	7439-97-6	D		U	1.00E-04	2.0E-03		5.7E-04	
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Mercury	7439-97-6	T		U	1.00E-04	2.0E-03		5.7E-04	
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Nickel	7440-02-0	D	2.10E-01		5.00E-03	4.0E-01	5.3E-01	3.9E-01	5.4E-01
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Nickel	7440-02-0	T	2.20E-01		5.00E-03	4.0E-01	5.5E-01	3.9E-01	5.6E-01
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Selenium	7782-49-2	D	1.20E-03	J	5.00E-03	5.0E-02	2.4E-02	1.0E-01	1.2E-02
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Selenium	7782-49-2	T	1.60E-03	J	5.00E-03	5.0E-02	3.2E-02	1.0E-01	1.6E-02
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Silver	7440-22-4	D		U	2.00E-04	1.0E-01		9.4E-02	
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Silver	7440-22-4	T		U	2.00E-04	1.0E-01		9.4E-02	
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Thallium	7440-28-0	D		U	2.00E-04	2.0E-03		2.0E-04	
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Thallium	7440-28-0	T		U	2.00E-04	2.0E-03		2.0E-04	
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Vanadium	7440-62-2	D		U	5.00E-03	1.0E-01		8.6E-02	
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Vanadium	7440-62-2	T		U	5.00E-03	1.0E-01		8.6E-02	
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Zinc	7440-66-6	D	4.00E-01		1.00E-02	6.0E+00	6.7E-02	6.0E+00	6.7E-02
MW-100S	HRP-MW100S-211028	N	10/28/21	INORG	Zinc	7440-66-6	T	4.40E-01		1.00E-02	6.0E+00	7.3E-02	6.0E+00	7.3E-02
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Acetone	67-64-1	T		U	5.00E-02	1.8E+01		1.8E+01	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Acrylonitrile	107-13-1	T		U	5.00E-03	1.4E-03		5.2E-04	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Bromobenzene	108-86-1	T		U	1.00E-03	1.6E-01		6.2E-02	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Bromochloromethane	74-97-5	T		U	1.00E-03			8.3E-02	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Bromodichloromethane	75-27-4	T		U	5.00E-04	8.0E-02		1.3E-03	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Bromoform	75-25-2	T		U	1.00E-03	8.0E-02		3.3E-02	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Bromomethane	74-83-9	T		U	2.00E-03	2.8E-02		7.5E-03	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	2-Butanone	78-93-3	T		U	2.00E-02	1.2E+01		5.6E+00	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	n-Butylbenzene	104-51-8	T		U	1.00E-03	1.0E+00		1.0E+00	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	sec-Butylbenzene	135-98-8	T		U	1.00E-03	2.0E+00		2.0E+00	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	tert-Butylbenzene	98-06-6	T		U	1.00E-03	2.0E+00		6.9E-01	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Carbon Tetrachloride	56-23-5	T		U	5.00E-03	5.0E-03		4.6E-03	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Chloroethane	75-00-3	T		U	2.00E-03			8.3E+00	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Chloroform	67-66-3	T		U	2.00E-03	8.0E-02		2.2E-03	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Chloromethane	74-87-3	T		U	2.00E-03			1.9E-01	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	2-Chlorotoluene	95-49-8	T		U	1.00E-03	4.0E-01		2.4E-01	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	4-Chlorotoluene	106-43-4	T		U	1.00E-03	4.0E-01		2.5E-01	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Cumene	98-82-8	T		U	1.00E-03	2.0E+00		4.5E-01	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	p-Cymene	99-87-6	T		U	1.00E-03				

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-102	HRP-MW102-211027	N	10/27/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Dibromochloromethane	124-48-1	T		U	5.00E-04	8.0E-02		8.7E-03	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	1,2-Dibromoethane	106-93-4	T		U	5.00E-04	5.0E-05		7.5E-05	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Dibromomethane	74-95-3	T		U	1.00E-03			8.3E-03	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6	T		U	2.00E-03			1.3E-05	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	1,2-Dichlorobenzene	95-50-1	T		U	1.00E-03	6.0E-01		3.0E-01	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	1,3-Dichlorobenzene	541-73-1	T		U	1.00E-03	1.4E-01		4.8E-03	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	1,4-Dichlorobenzene	106-46-7	T		U	1.00E-03	7.5E-02		4.8E-03	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Dichlorodifluoromethane	75-71-8	T		U	2.00E-03	4.0E+00		2.0E-01	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	1,2-Dichloroethane	107-06-2	T		U	1.00E-03	5.0E-03		1.7E-03	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	1,3-Dichloropropane	142-28-9	T		U	5.00E-04	4.0E-01		3.7E-01	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	2,2-Dichloropropane	594-20-7	T		U	1.00E-03				
MW-102	HRP-MW102-211027	N	10/27/21	VOC	1,1-Dichloropropene	563-58-6	T		U	2.00E-03				
MW-102	HRP-MW102-211027	N	10/27/21	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	5.00E-04	7.8E-03		4.7E-03	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	1,4-Dioxane	123-91-1	T		U	5.00E-02	7.8E-03		4.6E-03	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Ethanol	64-17-5	T		U	1.00E+01				
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Ethyl tert-butyl ether	637-92-3	T		U	5.00E-04	2.0E+01		7.0E-01	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Diethyl ether	60-29-7	T		U	2.00E-03	4.0E+00		3.9E+00	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Isopropanol	67-63-0	T		U	1.00E+01	4.0E+01		4.1E-01	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Methanol	67-56-1	T		U	1.00E+01	4.0E+01		2.0E+01	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Methyl Acetate	79-20-9	T		U	1.00E-03	2.0E+01		2.0E+01	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Methylcyclohexane	108-87-2	T		U	1.00E-03			1.3E+01	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Methylene Chloride	75-09-2	T		U	5.00E-03	5.0E-03		1.1E-01	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Diisopropyl ether	108-20-3	T		U	5.00E-04			1.5E+00	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	n-Propylbenzene	103-65-1	T		U	1.00E-03	2.0E+00		6.6E-01	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Styrene	100-42-5	T		U	1.00E-03	1.0E-01		1.2E+00	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	tert-Butyl alcohol	75-65-0	T		U	2.00E-02	1.6E+00		1.5E+00	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6	T		U	1.00E-03	3.0E-02		5.7E-03	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	5.00E-04	3.9E-03		7.6E-04	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Tetrachloroethene	127-18-4	T		U	1.00E-03	5.0E-03		4.1E-02	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Tetrahydrofuran	109-99-9	T		U	1.00E-02	1.8E+01		3.4E+00	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	1,2,3-Trichlorobenzene	87-61-6	T		U	5.00E-03	1.6E-02		7.0E-03	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	1.00E-03	7.0E-02		4.0E-03	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	1,3,5-Trichlorobenzene	108-70-3	T		U	1.00E-03				



**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-102	HRP-MW102-211027	N	10/27/21	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Trichlorofluoromethane	75-69-4	T		U	2.00E-03	6.0E+00		5.2E+00	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	1,2,3-Trichloropropane	96-18-4	T		U	2.00E-03	8.4E-06		7.5E-06	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-03	6.0E+02		1.0E+01	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	1,2,4-Trimethylbenzene	95-63-6	T		U	1.00E-03	2.0E-01		5.6E-02	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	1,3,5-Trimethylbenzene	108-67-8	T		U	1.00E-03	2.0E-01		6.0E-02	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Vinyl Chloride	75-01-4	T		U	2.00E-03	2.0E-03		1.9E-04	
MW-102	HRP-MW102-211027	N	10/27/21	VOC	Xylenes (total)	1330-20-7	T		U	2.00E-03	1.0E+01		1.9E-01	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Acenaphthene	83-32-9	T		U	5.40E-03	1.2E+00		5.3E-01	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Acenaphthylene	208-96-8	T		U	5.40E-03	6.0E-01		1.2E-01	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Acetophenone	98-86-2	T		U	1.10E-02	2.0E+00		1.9E+00	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	t-Amyl methyl ether	994-05-8	T		U	5.00E-04				
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Aniline	62-53-3	T		U	5.40E-03	1.4E-01		1.3E-01	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Anthracene	120-12-7	T		U	5.40E-03	6.0E+00		1.8E+00	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Benzidine	92-87-5	T		U	2.20E-02	1.1E-06		1.1E-06	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Benzo(a)anthracene	56-55-3	T		U	5.40E-03	2.5E-03		3.0E-04	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Benzo(a)pyrene	50-32-8	T		U	5.40E-03	2.0E-04		2.5E-04	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	5.40E-03	2.5E-03		2.5E-03	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	5.40E-03	6.0E-01		1.2E-01	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	5.40E-03	2.5E-02		2.5E-02	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Benzoic Acid	65-85-0	T		U	1.10E-02	8.0E+01		7.5E+01	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	1.10E-02	6.0E-02		5.9E-02	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	1.10E-02	7.1E-04		1.4E-04	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.10E-02	6.0E-03		5.6E-02	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	1.10E-02				
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Butylbenzylphthalate	85-68-7	T		U	1.10E-02	4.1E-01		1.6E-01	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Carbazole	86-74-8	T		U	1.10E-02	8.0E-01		2.9E-01	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	1.10E-02	2.0E+00		1.4E+00	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	4-Chloroaniline	106-47-8	T		U	1.10E-02	3.9E-03		3.7E-03	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.10E-02	1.6E+00		7.5E-01	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	2-Chlorophenol	95-57-8	T		U	1.10E-02	1.0E-01		9.1E-02	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	1.10E-02				
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Chrysene	218-01-9	T		U	5.40E-03	2.5E-01		2.5E-01	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	5.40E-03	2.5E-04		2.5E-04	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Dibenzofuran	132-64-9	T		U	5.40E-03	2.0E-02		7.9E-03	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.10E-02	1.7E-03		1.3E-03	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	2,4-Dichlorophenol	120-83-2	T		U	1.10E-02	6.0E-02		4.6E-02	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Diethylphthalate	84-66-2	T		U	1.10E-02	1.6E+01		1.5E+01	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.10E-02	4.0E-01		3.6E-01	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Dimethylphthalate	131-11-3	T		U	1.10E-02	1.6E+01		1.5E+01	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Di-n-butylphthalate	84-74-2	T		U	1.10E-02	2.0E+00		9.0E-01	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	1.10E-02	1.6E-03		1.5E-03	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	2,4-Dinitrophenol	51-28-5	T		U	1.10E-02	4.0E-02		3.9E-02	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.10E-02	2.0E-01		2.0E-01	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	1,2-Diphenylhydrazine	122-66-7	T		U	1.10E-02	9.7E-04		7.8E-04	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Ethylene Glycol	107-21-1	T		U	1.00E+01	1.6E+01		1.6E+01	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Fluoranthene	206-44-0	T		U	5.40E-03	8.0E-01		8.0E-01	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Fluorene	86-73-7	T		U	5.40E-03	8.0E-01		2.9E-01	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Hexachlorobenzene	118-74-1	T		U	1.10E-02	1.0E-03		9.8E-05	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Hexachlorobutadiene	87-68-3	T		U	6.00E-04	1.0E-02		1.4E-03	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.10E-02	5.0E-02		4.1E-04	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Hexachloroethane	67-72-1	T		U	1.10E-02	1.4E-02		3.3E-03	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	5.40E-03	2.5E-03		2.5E-03	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Isophorone	78-59-1	T		U	1.10E-02	8.2E-01		7.8E-01	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	1-Methylnaphthalene	90-12-0	T		U	5.40E-03	2.7E-02		1.1E-02	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	2-Methylnaphthalene	91-57-6	T		U	5.40E-03	8.0E-02		3.6E-02	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	2-Methylphenol	95-48-7	T		U	1.10E-02	1.0E+00		9.3E-01	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	3&4-Methylphenol	65794-96-9	T		U	1.10E-02				
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Naphthalene	91-20-3	T		U	2.00E-03	6.5E-03		1.2E-03	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	2-Nitroaniline	88-74-4	T		U	1.10E-02	2.0E-01		1.9E-01	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	3-Nitroaniline	99-09-2	T		U	1.10E-02	3.9E-02		3.8E-02	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	4-Nitroaniline	100-01-6	T		U	1.10E-02	3.9E-02		3.8E-02	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	2-Nitrophenol	88-75-5	T		U	1.10E-02				
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	4-Nitrophenol	100-02-7	T		U	1.10E-02				
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	N-Nitrosodimethylamine	62-75-9	T		U	1.10E-02	4.9E-06		1.1E-06	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	1.10E-02	1.6E-01		1.2E-01	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	1.10E-02	1.1E-04		1.1E-04	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	1.10E-02	8.0E-01		7.1E-01	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Pentachloronitrobenzene	82-68-8	T		U	1.10E-02	3.0E-03		1.2E-03	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Pentachlorophenol	87-86-5	T		U	1.10E-02	1.0E-03		4.1E-04	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Phenanthrene	85-01-8	T		U	5.40E-03	6.0E-01		1.2E-01	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Phenol	108-95-2	T		U	1.10E-02	6.0E+00		5.8E+00	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Propylene glycol	57-55-6	T		U	1.00E+01	4.0E+02		4.0E+02	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Pyrene	129-00-0	T		U	5.40E-03	6.0E-01		1.2E-01	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Pyridine	110-86-1	T		U	5.40E-03	2.0E-02		2.0E-02	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3	T		U	1.10E-02	6.0E-04		1.7E-04	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	1.10E-02	2.0E+00		1.2E+00	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	1.10E-02	2.0E-02		1.2E-02	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	1.10E-02	2.5E-03		2.4E-03	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	1.10E-02	5.2E-04		4.9E-04	
MW-102	HRP-MW102-211027	N	10/27/21	SVOC	Nitrobenzene	98-95-3	T		U	1.10E-02	4.0E-02		1.4E-03	
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Aluminum	7429-90-5	D		U	5.00E-02	2.0E+01		2.0E+01	
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Aluminum	7429-90-5	T	1.30E-01		5.00E-02	2.0E+01	6.5E-03	2.0E+01	6.5E-03
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Antimony	7440-36-0	D	4.90E-04	J	1.00E-03	6.0E-03	8.2E-02	7.8E-03	6.3E-02
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Antimony	7440-36-0	T	6.10E-04	J	1.00E-03	6.0E-03	1.0E-01	7.8E-03	7.8E-02
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Arsenic	7440-38-2	D	2.50E-03		8.00E-04	1.0E-02	2.5E-01	5.2E-04	4.8E+00

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Arsenic	7440-38-2	T	3.10E-03		8.00E-04	1.0E-02	3.1E-01	5.2E-04	6.0E+00
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Barium	7440-39-3	D	5.60E-02		1.00E-02	2.0E+00	2.8E-02	3.8E+00	1.5E-02
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Barium	7440-39-3	T	6.80E-02		1.00E-02	2.0E+00	3.4E-02	3.8E+00	1.8E-02
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Beryllium	7440-41-7	D		U	4.00E-04	4.0E-03		2.5E-02	
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Beryllium	7440-41-7	T		U	4.00E-04	4.0E-03		2.5E-02	
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Cadmium	7440-43-9	D	1.20E-04	J	2.00E-04	5.0E-03	2.4E-02	1.8E-03	6.7E-02
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Cadmium	7440-43-9	T	2.00E-04		2.00E-04	5.0E-03	4.0E-02	1.8E-03	1.1E-01
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Chromium (total)	7440-47-3	D		U	1.00E-03	1.0E-01		2.2E+01	
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Chromium (total)	7440-47-3	T	1.10E-03		1.00E-03	1.0E-01	1.1E-02	2.2E+01	5.0E-05
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Cobalt	7440-48-4	D	6.60E-03		1.00E-03	6.0E-03	1.1E+00	6.0E-03	1.1E+00
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Cobalt	7440-48-4	T	6.90E-03		1.00E-03	6.0E-03	1.2E+00	6.0E-03	1.2E+00
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Copper	7440-50-8	D	2.20E-03		1.00E-03	1.3E+00	1.7E-03	8.0E-01	2.8E-03
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Copper	7440-50-8	T	3.10E-03		1.00E-03	1.3E+00	2.4E-03	8.0E-01	3.9E-03
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Iron	7439-89-6	D	3.10E+00		5.00E-02	1.4E+01	2.2E-01	1.4E+01	2.2E-01
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Iron	7439-89-6	T	2.10E+00		5.00E-02	1.4E+01	1.5E-01	1.4E+01	1.5E-01
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Lead	7439-92-1	D		U	5.00E-04	1.5E-02		1.5E-02	
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Lead	7439-92-1	T	4.30E-04	J	5.00E-04	1.5E-02	2.9E-02	1.5E-02	2.9E-02
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Manganese	7439-96-5	D	1.80E+00		1.00E-02	4.8E-01	3.8E+00	4.3E-01	4.2E+00
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Manganese	7439-96-5	T	1.50E+00		1.00E-02	4.8E-01	3.1E+00	4.3E-01	3.5E+00
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Mercury	7439-97-6	D		U	1.00E-04	2.0E-03		5.7E-04	
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Mercury	7439-97-6	T		U	1.00E-04	2.0E-03		5.7E-04	
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Nickel	7440-02-0	D	1.20E-02	B	5.00E-03	4.0E-01	3.0E-02	3.9E-01	3.1E-02
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Nickel	7440-02-0	T	1.40E-02		5.00E-03	4.0E-01	3.5E-02	3.9E-01	3.6E-02
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Selenium	7782-49-2	D	1.90E-03	J	5.00E-03	5.0E-02	3.8E-02	1.0E-01	1.9E-02
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Selenium	7782-49-2	T	1.60E-03	J	5.00E-03	5.0E-02	3.2E-02	1.0E-01	1.6E-02
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Silver	7440-22-4	D		U	2.00E-04	1.0E-01		9.4E-02	
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Silver	7440-22-4	T		U	2.00E-04	1.0E-01		9.4E-02	
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Thallium	7440-28-0	D		U	2.00E-04	2.0E-03		2.0E-04	
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Thallium	7440-28-0	T		U	2.00E-04	2.0E-03		2.0E-04	
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Vanadium	7440-62-2	D		U	5.00E-03	1.0E-01		8.6E-02	
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Vanadium	7440-62-2	T		U	5.00E-03	1.0E-01		8.6E-02	
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Zinc	7440-66-6	D	1.70E-02		1.00E-02	6.0E+00	2.8E-03	6.0E+00	2.8E-03
MW-102	HRP-MW102-211027	N	10/27/21	INORG	Zinc	7440-66-6	T	1.80E-02		1.00E-02	6.0E+00	3.0E-03	6.0E+00	3.0E-03
MW-104	HRP-MW104-211103	N	11/03/21	SVOC	Naphthalene	91-20-3	T		U	6.40E-04	6.5E-03		1.2E-03	
MW-104	HRP-MW104-221018	N	10/18/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
MW-106	MW-106_02/18/20	N	02/18/20	INORG	Iron	7439-89-6	T	1.18E+01		1.00E+00	1.4E+01	8.4E-01	1.4E+01	8.4E-01
MW-106	MW-106_02/18/20	N	02/18/20	INORG	Manganese	7439-96-5	T	1.71E+00		1.00E-02	4.8E-01	3.6E+00	4.3E-01	4.0E+00
MW-106	MW-106_05/14/20	N	05/14/20	VOC	Acetone	67-64-1	T		U	2.00E-02	1.8E+01		1.8E+01	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	Bromodichloromethane	75-27-4	T		U	1.00E-03	8.0E-02		1.3E-03	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	Bromoform	75-25-2	T		U	5.00E-03	8.0E-02		3.3E-02	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	Bromomethane	74-83-9	T		U	1.00E-03	2.8E-02		7.5E-03	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	2-Butanone	78-93-3	T		U	1.00E-02	1.2E+01		5.6E+00	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-106	MW-106_05/14/20	N	05/14/20	VOC	Carbon Tetrachloride	56-23-5	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	Chloroethane	75-00-3	T		U	1.00E-03			8.3E+00	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	Chloroform	67-66-3	T		U	1.00E-03	8.0E-02		2.2E-03	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	Chloromethane	74-87-3	T		U	1.00E-03			1.9E-01	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	Cumene	98-82-8	T		U	5.00E-03	2.0E+00		4.5E-01	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	Cyclohexane	110-82-7	T		U	5.00E-03			1.3E+01	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	Dibromochloromethane	124-48-1	T		U	1.00E-03	8.0E-02		8.7E-03	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	1,2-Dichlorobenzene	95-50-1	T		U	5.00E-03	6.0E-01		3.0E-01	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	1,3-Dichlorobenzene	541-73-1	T		U	5.00E-03	1.4E-01		4.8E-03	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	1,4-Dichlorobenzene	106-46-7	T		U	5.00E-03	7.5E-02		4.8E-03	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	Dichlorodifluoromethane	75-71-8	T		U	1.00E-03	4.0E+00		2.0E-01	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	1.00E-03	7.8E-03		4.7E-03	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	Methyl Acetate	79-20-9	T		U	5.00E-03	2.0E+01		2.0E+01	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	Methylcyclohexane	108-87-2	T		U	5.00E-03			1.3E+01	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	Methylene Chloride	75-09-2	T		U	1.00E-03	5.0E-03		1.1E-01	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	Styrene	100-42-5	T		U	5.00E-03	1.0E-01		1.2E+00	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	1.00E-03	3.9E-03		7.6E-04	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	Tetrachloroethene	127-18-4	T		U	1.00E-03	5.0E-03		4.1E-02	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	5.00E-03	7.0E-02		4.0E-03	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	Trichlorofluoromethane	75-69-4	T		U	1.00E-03	6.0E+00		5.2E+00	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-02	6.0E+02		1.0E+01	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	Vinyl Chloride	75-01-4	T		U	1.00E-03	2.0E-03		1.9E-04	
MW-106	MW-106_05/14/20	N	05/14/20	VOC	Xylenes (total)	1330-20-7	T		U	5.00E-03	1.0E+01		1.9E-01	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Acenaphthene	83-32-9	T		U	5.00E-04	1.2E+00		5.3E-01	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Acenaphthylene	208-96-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Acetophenone	98-86-2	T		U	1.10E-02	2.0E+00		1.9E+00	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Anthracene	120-12-7	T		U	5.00E-04	6.0E+00		1.8E+00	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Atrazine	1912-24-9	T		U	5.00E-03	3.0E-03		3.0E-03	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Benzaldehyde	100-52-7	T		U	1.10E-02	1.9E-01		1.9E-01	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	5.00E-04	2.5E-03		3.0E-04	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	5.00E-04	2.0E-04		2.5E-04	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	5.00E-04	2.5E-02		2.5E-02	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.10E-02	9.7E-02		8.3E-04	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	2.00E-03	6.0E-02		5.9E-02	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	2.00E-03	7.1E-04		1.4E-04	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.20E-02	6.0E-03		5.6E-02	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	2.00E-03				
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Butylbenzylphthalate	85-68-7	T		U	5.00E-03	4.1E-01		1.6E-01	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Caprolactam	105-60-2	T		U	1.20E-02	1.0E+01		9.9E+00	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Carbazole	86-74-8	T		U	2.00E-03	8.0E-01		2.9E-01	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	4.00E-03	2.0E+00		1.4E+00	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	4-Chloroaniline	106-47-8	T		U	1.10E-02	3.9E-03		3.7E-03	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-03	1.6E+00		7.5E-01	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	2-Chlorophenol	95-57-8	T		U	2.00E-03	1.0E-01		9.1E-02	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	2.00E-03				
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Chrysene	218-01-9	T		U	5.00E-04	2.5E-01		2.5E-01	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	5.00E-04	2.5E-04		2.5E-04	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-03	2.0E-02		7.9E-03	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.10E-02	1.7E-03		1.3E-03	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	2,4-Dichlorophenol	120-83-2	T		U	2.00E-03	6.0E-02		4.6E-02	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Diethylphthalate	84-66-2	T		U	5.00E-03	1.6E+01		1.5E+01	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.10E-02	4.0E-01		3.6E-01	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Dimethylphthalate	131-11-3	T		U	5.00E-03	1.6E+01		1.5E+01	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Di-n-butylphthalate	84-74-2	T		U	5.00E-03	2.0E+00		9.0E-01	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	2.20E-02	1.6E-03		1.5E-03	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	2,4-Dinitrophenol	51-28-5	T		U	3.20E-02	4.0E-02		3.9E-02	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.20E-02	2.0E-01		2.0E-01	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Fluoranthene	206-44-0	T		U	5.00E-04	8.0E-01		8.0E-01	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Fluorene	86-73-7	T		U	5.00E-04	8.0E-01		2.9E-01	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Hexachlorobenzene	118-74-1	T		U	5.00E-04	1.0E-03		9.8E-05	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Hexachlorobutadiene	87-68-3	T		U	2.00E-03	1.0E-02		1.4E-03	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.20E-02	5.0E-02		4.1E-04	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Hexachloroethane	67-72-1	T		U	5.00E-03	1.4E-02		3.3E-03	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Isophorone	78-59-1	T		U	2.00E-03	8.2E-01		7.8E-01	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	5.00E-04	8.0E-02		3.6E-02	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	2-Methylphenol	95-48-7	T		U	2.00E-03	1.0E+00		9.3E-01	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	4-Methylphenol	106-44-5	T		U	2.00E-03	4.0E-01		3.7E-01	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Naphthalene	91-20-3	T		U	5.00E-04	6.5E-03		1.2E-03	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	2-Nitroaniline	88-74-4	T		U	7.00E-03	2.0E-01		1.9E-01	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	3-Nitroaniline	99-09-2	T		U	7.00E-03	3.9E-02		3.8E-02	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	4-Nitroaniline	100-01-6	T		U	3.00E-03	3.9E-02		3.8E-02	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	2-Nitrophenol	88-75-5	T		U	1.10E-02				
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	4-Nitrophenol	100-02-7	T		U	3.20E-02				
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	3.00E-03	1.6E-01		1.2E-01	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	3.00E-03	1.1E-04		1.1E-04	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	2.00E-03	8.0E-01		7.1E-01	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Pentachlorophenol	87-86-5	T		U	5.00E-03	1.0E-03		4.1E-04	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Phenanthrene	85-01-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Phenol	108-95-2	T		U	2.00E-03	6.0E+00		5.8E+00	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Pyrene	129-00-0	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	2.00E-03	2.0E+00		1.2E+00	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	2.00E-03	2.0E-02		1.2E-02	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	5.00E-03	2.5E-03		2.4E-03	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	2.00E-03	5.2E-04		4.9E-04	
MW-106	MW-106_05/14/20	N	05/14/20	SVOC	Nitrobenzene	98-95-3	T		U	2.00E-03	4.0E-02		1.4E-03	
MW-106	MW-106_05/14/20	N	05/14/20	INORG	Antimony	7440-36-0	T		U	5.00E-02	6.0E-03		7.8E-03	
MW-106	MW-106_05/14/20	N	05/14/20	INORG	Arsenic	7440-38-2	T		U	3.00E-02	1.0E-02		5.2E-04	
MW-106	MW-106_05/14/20	N	05/14/20	INORG	Barium	7440-39-3	T	9.80E-03		5.00E-03	2.0E+00	4.9E-03	3.8E+00	2.6E-03
MW-106	MW-106_05/14/20	N	05/14/20	INORG	Beryllium	7440-41-7	T	1.90E-03	J	5.00E-03	4.0E-03	4.8E-01	2.5E-02	7.6E-02
MW-106	MW-106_05/14/20	N	05/14/20	INORG	Cadmium	7440-43-9	T		U	5.00E-03	5.0E-03		1.8E-03	
MW-106	MW-106_05/14/20	N	05/14/20	INORG	Chromium (total)	7440-47-3	T	1.90E-03	J	1.50E-02	1.0E-01	1.9E-02	2.2E+01	8.6E-05
MW-106	MW-106_05/14/20	N	05/14/20	INORG	Cobalt	7440-48-4	T	4.33E-02		5.00E-03	6.0E-03	7.2E+00	6.0E-03	7.2E+00
MW-106	MW-106_05/14/20	N	05/14/20	INORG	Copper	7440-50-8	T	1.10E-01		2.00E-02	1.3E+00	8.5E-02	8.0E-01	1.4E-01
MW-106	MW-106_05/14/20	N	05/14/20	INORG	Iron	7439-89-6	T	1.83E+01		1.00E+00	1.4E+01	1.3E+00	1.4E+01	1.3E+00
MW-106	MW-106_05/14/20	N	05/14/20	INORG	Lead	7439-92-1	T		U	1.50E-02	1.5E-02		1.5E-02	
MW-106	MW-106_05/14/20	N	05/14/20	INORG	Manganese	7439-96-5	T	1.05E+00		1.00E-02	4.8E-01	2.2E+00	4.3E-01	2.4E+00
MW-106	MW-106_05/14/20	N	05/14/20	INORG	Mercury	7439-97-6	T		U	2.00E-04	2.0E-03		5.7E-04	
MW-106	MW-106_05/14/20	N	05/14/20	INORG	Molybdenum	7439-98-7	T		U	1.00E-02	1.0E-01		1.0E-01	
MW-106	MW-106_05/14/20	N	05/14/20	INORG	Nickel	7440-02-0	T	6.26E-02		1.00E-02	4.0E-01	1.6E-01	3.9E-01	1.6E-01
MW-106	MW-106_05/14/20	N	05/14/20	INORG	Selenium	7782-49-2	T		U	5.00E-02	5.0E-02		1.0E-01	
MW-106	MW-106_05/14/20	N	05/14/20	INORG	Silver	7440-22-4	T		U	1.00E-02	1.0E-01		9.4E-02	
MW-106	MW-106_05/14/20	N	05/14/20	INORG	Thallium	7440-28-0	T		U	3.00E-02	2.0E-03		2.0E-04	
MW-106	MW-106_05/14/20	N	05/14/20	INORG	Vanadium	7440-62-2	T		U	1.00E-02	1.0E-01		8.6E-02	
MW-106	MW-106_05/14/20	N	05/14/20	INORG	Zinc	7440-66-6	T	2.24E-01		2.00E-02	6.0E+00	3.7E-02	6.0E+00	3.7E-02
MW-106	410-33562-1_MW-106 NAP	N	03/24/21	SVOC	Naphthalene	91-20-3	T		U	1.60E-04	6.5E-03		1.2E-03	
MW-106	MW-106 NAP-03242021	N	03/24/21	SVOC	Naphthalene	91-20-3	T		U	6.10E-05	6.5E-03		1.2E-03	
MW-106	HRP-MW106-211101	N	11/01/21	SVOC	Naphthalene	91-20-3	T		U	6.40E-04	6.5E-03		1.2E-03	
MW-106	HRP-MW106-221019	N	10/19/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
MW-107	HRP-MW107-211102	N	11/02/21	SVOC	Naphthalene	91-20-3	T		U	6.40E-04	6.5E-03		1.2E-03	
MW-107R	HRP-MW107R-221019	N	10/19/22	SVOC	Naphthalene	91-20-3	T	4.30E-03	J	1.00E-03	6.5E-03	6.6E-01	1.2E-03	3.6E+00
MW-10S	MW-10S/RW-10S_02/19/20	N	02/19/20	INORG	Iron	7439-89-6	T	1.88E+02		2.00E+01	1.4E+01	1.3E+01	1.4E+01	1.3E+01
MW-10S	MW-10S/RW-10S_02/19/20	N	02/19/20	INORG	Manganese	7439-96-5	T	4.54E+00		1.00E-02	4.8E-01	9.5E+00	4.3E-01	1.1E+01

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	Acetone	67-64-1	T	4.00E-03	J	1.00E-01	1.8E+01	2.2E-04	1.8E+01	2.2E-04
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	Benzene	71-43-2	T		U	5.00E-03	5.0E-03		4.6E-03	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	Bromodichloromethane	75-27-4	T		U	5.00E-03	8.0E-02		1.3E-03	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	Bromoform	75-25-2	T		U	2.50E-02	8.0E-02		3.3E-02	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	Bromomethane	74-83-9	T		U	5.00E-03	2.8E-02		7.5E-03	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	2-Butanone	78-93-3	T		U	5.00E-02	1.2E+01		5.6E+00	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	Carbon Disulfide	75-15-0	T		U	2.50E-02	2.0E+00		8.1E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	Carbon Tetrachloride	56-23-5	T		U	5.00E-03	5.0E-03		4.6E-03	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	Chlorobenzene	108-90-7	T		U	5.00E-03	1.0E-01		7.8E-02	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	Chloroethane	75-00-3	T		U	5.00E-03			8.3E+00	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	Chloroform	67-66-3	T		U	5.00E-03	8.0E-02		2.2E-03	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	Chloromethane	74-87-3	T		U	5.00E-03			1.9E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	Cumene	98-82-8	T		U	2.50E-02	2.0E+00		4.5E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	Cyclohexane	110-82-7	T		U	2.50E-02			1.3E+01	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	2.50E-02	2.0E-04		3.3E-06	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	Dibromochloromethane	124-48-1	T		U	5.00E-03	8.0E-02		8.7E-03	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	1,2-Dibromoethane	106-93-4	T		U	5.00E-03	5.0E-05		7.5E-05	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	1,2-Dichlorobenzene	95-50-1	T		U	2.50E-02	6.0E-01		3.0E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	1,3-Dichlorobenzene	541-73-1	T		U	2.50E-02	1.4E-01		4.8E-03	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	1,4-Dichlorobenzene	106-46-7	T		U	2.50E-02	7.5E-02		4.8E-03	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	Dichlorodifluoromethane	75-71-8	T		U	5.00E-03	4.0E+00		2.0E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	1,1-Dichloroethane	75-34-3	T		U	5.00E-03	1.4E-01		2.8E-02	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	1,2-Dichloroethane	107-06-2	T		U	2.50E-02	5.0E-03		1.7E-03	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	1,1-Dichloroethene	75-35-4	T		U	5.00E-03	7.0E-03		2.8E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	5.00E-03	7.0E-02		2.5E-02	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	5.00E-03	1.0E-01		6.8E-02	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	1,2-Dichloropropane	78-87-5	T		U	5.00E-03	5.0E-03		8.2E-03	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	5.00E-03	7.8E-03		4.7E-03	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	Ethyl Benzene	100-41-4	T		U	5.00E-03	7.0E-01		1.5E-02	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	2-Hexanone	591-78-6	T		U	5.00E-02	1.0E-01		3.8E-02	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	Methyl Acetate	79-20-9	T		U	2.50E-02	2.0E+01		2.0E+01	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	5.00E-03	4.3E-01		1.4E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	4-Methyl-2-pentanone	108-10-1	T		U	5.00E-02			6.3E+00	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	Methylcyclohexane	108-87-2	T		U	2.50E-02			1.3E+01	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	Methylene Chloride	75-09-2	T		U	5.00E-03	5.0E-03		1.1E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	Styrene	100-42-5	T		U	2.50E-02	1.0E-01		1.2E+00	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	1,1,1,2-Tetrachloroethane	79-34-5	T		U	5.00E-03	3.9E-03		7.6E-04	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	Tetrachloroethene	127-18-4	T		U	5.00E-03	5.0E-03		4.1E-02	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	Toluene	108-88-3	T		U	5.00E-03	1.0E+00		1.1E+00	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	2.50E-02	7.0E-02		4.0E-03	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	1,1,1-Trichloroethane	71-55-6	T		U	5.00E-03	2.0E-01		8.0E+00	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	1,1,2-Trichloroethane	79-00-5	T		U	5.00E-03	5.0E-03		4.1E-04	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	Trichloroethene	79-01-6	T		U	5.00E-03	5.0E-03		2.8E-03	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	Trichlorofluoromethane	75-69-4	T		U	5.00E-03	6.0E+00		5.2E+00	



**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	5.00E-02	6.0E+02		1.0E+01	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	Vinyl Chloride	75-01-4	T		U	5.00E-03	2.0E-03		1.9E-04	
MW-10S	MW-10S_05/14/20	N	05/14/20	VOC	Xylenes (total)	1330-20-7	T		U	2.50E-02	1.0E+01		1.9E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Acenaphthene	83-32-9	T		U	5.00E-04	1.2E+00		5.3E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Acenaphthylene	208-96-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Acetophenone	98-86-2	T		U	1.00E-02	2.0E+00		1.9E+00	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Anthracene	120-12-7	T		U	5.00E-04	6.0E+00		1.8E+00	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Atrazine	1912-24-9	T		U	5.00E-03	3.0E-03		3.0E-03	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Benzaldehyde	100-52-7	T		U	1.00E-02	1.9E-01		1.9E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	5.00E-04	2.5E-03		3.0E-04	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	5.00E-04	2.0E-04		2.5E-04	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	5.00E-04	2.5E-02		2.5E-02	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-02	9.7E-02		8.3E-04	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	2.00E-03	6.0E-02		5.9E-02	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	2.00E-03	7.1E-04		1.4E-04	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.10E-02	6.0E-03		5.6E-02	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	2.00E-03				
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Butylbenzylphthalate	85-68-7	T		U	5.00E-03	4.1E-01		1.6E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Caprolactam	105-60-2	T		U	1.10E-02	1.0E+01		9.9E+00	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Carbazole	86-74-8	T		U	2.00E-03	8.0E-01		2.9E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	4.00E-03	2.0E+00		1.4E+00	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	4-Chloroaniline	106-47-8	T		U	1.00E-02	3.9E-03		3.7E-03	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-03	1.6E+00		7.5E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	2-Chlorophenol	95-57-8	T		U	2.00E-03	1.0E-01		9.1E-02	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	2.00E-03				
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Chrysene	218-01-9	T		U	5.00E-04	2.5E-01		2.5E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	5.00E-04	2.5E-04		2.5E-04	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-03	2.0E-02		7.9E-03	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.00E-02	1.7E-03		1.3E-03	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	2,4-Dichlorophenol	120-83-2	T		U	2.00E-03	6.0E-02		4.6E-02	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Diethylphthalate	84-66-2	T		U	5.00E-03	1.6E+01		1.5E+01	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.00E-02	4.0E-01		3.6E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Dimethylphthalate	131-11-3	T		U	5.00E-03	1.6E+01		1.5E+01	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Di-n-butylphthalate	84-74-2	T		U	5.00E-03	2.0E+00		9.0E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	2.10E-02	1.6E-03		1.5E-03	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	2,4-Dinitrophenol	51-28-5	T		U	3.00E-02	4.0E-02		3.9E-02	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.10E-02	2.0E-01		2.0E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Fluoranthene	206-44-0	T		U	5.00E-04	8.0E-01		8.0E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Fluorene	86-73-7	T		U	5.00E-04	8.0E-01		2.9E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Hexachlorobenzene	118-74-1	T		U	5.00E-04	1.0E-03		9.8E-05	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Hexachlorobutadiene	87-68-3	T		U	2.00E-03	1.0E-02		1.4E-03	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.10E-02	5.0E-02		4.1E-04	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Hexachloroethane	67-72-1	T		U	5.00E-03	1.4E-02		3.3E-03	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Isophorone	78-59-1	T		U	2.00E-03	8.2E-01		7.8E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	5.00E-04	8.0E-02		3.6E-02	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	2-Methylphenol	95-48-7	T	1.00E-03	J	2.00E-03	1.0E+00	1.0E-03	9.3E-01	1.1E-03
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	4-Methylphenol	106-44-5	T		U	2.00E-03	4.0E-01		3.7E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Naphthalene	91-20-3	T		U	5.00E-04	6.5E-03		1.2E-03	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	2-Nitroaniline	88-74-4	T		U	7.00E-03	2.0E-01		1.9E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	3-Nitroaniline	99-09-2	T		U	7.00E-03	3.9E-02		3.8E-02	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	4-Nitroaniline	100-01-6	T		U	3.00E-03	3.9E-02		3.8E-02	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	2-Nitrophenol	88-75-5	T		U	1.00E-02				
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	4-Nitrophenol	100-02-7	T		U	3.00E-02				
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	3.00E-03	1.6E-01		1.2E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	3.00E-03	1.1E-04		1.1E-04	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	2.00E-03	8.0E-01		7.1E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Pentachlorophenol	87-86-5	T		U	5.00E-03	1.0E-03		4.1E-04	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Phenanthrene	85-01-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Phenol	108-95-2	T		U	2.00E-03	6.0E+00		5.8E+00	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Pyrene	129-00-0	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	2.00E-03	2.0E+00		1.2E+00	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	2.00E-03	2.0E-02		1.2E-02	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	5.00E-03	2.5E-03		2.4E-03	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	2.00E-03	5.2E-04		4.9E-04	
MW-10S	MW-10S_05/14/20	N	05/14/20	SVOC	Nitrobenzene	98-95-3	T		U	2.00E-03	4.0E-02		1.4E-03	
MW-10S	MW-10S_05/14/20	N	05/14/20	INORG	Antimony	7440-36-0	T		U	5.00E-02	6.0E-03		7.8E-03	
MW-10S	MW-10S_05/14/20	N	05/14/20	INORG	Arsenic	7440-38-2	T		U	3.00E-02	1.0E-02		5.2E-04	
MW-10S	MW-10S_05/14/20	N	05/14/20	INORG	Barium	7440-39-3	T	9.71E-02		5.00E-03	2.0E+00	4.9E-02	3.8E+00	2.6E-02
MW-10S	MW-10S_05/14/20	N	05/14/20	INORG	Beryllium	7440-41-7	T		U	5.00E-03	4.0E-03		2.5E-02	
MW-10S	MW-10S_05/14/20	N	05/14/20	INORG	Cadmium	7440-43-9	T		U	5.00E-03	5.0E-03		1.8E-03	
MW-10S	MW-10S_05/14/20	N	05/14/20	INORG	Chromium (total)	7440-47-3	T	1.90E-03	J	1.50E-02	1.0E-01	1.9E-02	2.2E+01	8.6E-05
MW-10S	MW-10S_05/14/20	N	05/14/20	INORG	Cobalt	7440-48-4	T	6.33E-02		5.00E-03	6.0E-03	1.1E+01	6.0E-03	1.1E+01
MW-10S	MW-10S_05/14/20	N	05/14/20	INORG	Copper	7440-50-8	T		U	2.00E-02	1.3E+00		8.0E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	INORG	Iron	7439-89-6	T	1.97E+02		2.00E+01	1.4E+01	1.4E+01	1.4E+01	1.4E+01
MW-10S	MW-10S_05/14/20	N	05/14/20	INORG	Lead	7439-92-1	T	1.64E-02		1.50E-02	1.5E-02	1.1E+00	1.5E-02	1.1E+00
MW-10S	MW-10S_05/14/20	N	05/14/20	INORG	Manganese	7439-96-5	T	5.27E+00		1.00E-02	4.8E-01	1.1E+01	4.3E-01	1.2E+01
MW-10S	MW-10S_05/14/20	N	05/14/20	INORG	Mercury	7439-97-6	T		U	2.00E-04	2.0E-03		5.7E-04	
MW-10S	MW-10S_05/14/20	N	05/14/20	INORG	Molybdenum	7439-98-7	T		U	1.00E-02	1.0E-01		1.0E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	INORG	Nickel	7440-02-0	T	1.64E-02		1.00E-02	4.0E-01	4.1E-02	3.9E-01	4.2E-02
MW-10S	MW-10S_05/14/20	N	05/14/20	INORG	Selenium	7782-49-2	T		U	5.00E-02	5.0E-02		1.0E-01	
MW-10S	MW-10S_05/14/20	N	05/14/20	INORG	Silver	7440-22-4	T		U	1.00E-02	1.0E-01		9.4E-02	
MW-10S	MW-10S_05/14/20	N	05/14/20	INORG	Thallium	7440-28-0	T		U	3.00E-02	2.0E-03		2.0E-04	
MW-10S	MW-10S_05/14/20	N	05/14/20	INORG	Vanadium	7440-62-2	T	1.16E-02		1.00E-02	1.0E-01	1.2E-01	8.6E-02	1.3E-01
MW-10S	MW-10S_05/14/20	N	05/14/20	INORG	Zinc	7440-66-6	T		U	2.00E-02	6.0E+00		6.0E+00	
MW-10S	RW-10S_08122020	N	08/12/20	INORG	Iron	7439-89-6	T	1.50E+02	HF	5.00E+00	1.4E+01	1.1E+01	1.4E+01	1.1E+01

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-10S	RW-10S_08122020	N	08/12/20	INORG	Manganese	7439-96-5	T	5.30E+00		1.00E-02	4.8E-01	1.1E+01	4.3E-01	1.2E+01
MW-10S	410-33859-1 MW-10S	N	03/25/21	SVOC	Naphthalene	91-20-3	T	3.60E-02		8.30E-04	6.5E-03	5.5E+00	1.2E-03	3.0E+01
MW-10S	MW-10S-03252021	N	03/25/21	SVOC	Naphthalene	91-20-3	T	3.60E-02		3.10E-04	6.5E-03	5.5E+00	1.2E-03	3.0E+01
MW-121	MW-121_02/17/20	N	02/17/20	INORG	Iron	7439-89-6	T	1.19E+02		2.00E+01	1.4E+01	8.5E+00	1.4E+01	8.5E+00
MW-121	MW-121_02/17/20	N	02/17/20	INORG	Manganese	7439-96-5	T	7.93E+00		1.00E-02	4.8E-01	1.7E+01	4.3E-01	1.8E+01
MW-121	MW-121_05/11/20	N	05/11/20	VOC	Acetone	67-64-1	T	2.00E-03	J	2.00E-02	1.8E+01	1.1E-04	1.8E+01	1.1E-04
MW-121	MW-121_05/11/20	N	05/11/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	Bromodichloromethane	75-27-4	T		U	1.00E-03	8.0E-02		1.3E-03	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	Bromoform	75-25-2	T		U	5.00E-03	8.0E-02		3.3E-02	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	Bromomethane	74-83-9	T		U	1.00E-03	2.8E-02		7.5E-03	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	2-Butanone	78-93-3	T		U	1.00E-02	1.2E+01		5.6E+00	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	Carbon Tetrachloride	56-23-5	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	Chloroethane	75-00-3	T		U	1.00E-03			8.3E+00	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	Chloroform	67-66-3	T		U	1.00E-03	8.0E-02		2.2E-03	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	Chloromethane	74-87-3	T		U	1.00E-03			1.9E-01	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	Cumene	98-82-8	T		U	5.00E-03	2.0E+00		4.5E-01	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	Cyclohexane	110-82-7	T		U	5.00E-03			1.3E+01	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	Dibromochloromethane	124-48-1	T		U	1.00E-03	8.0E-02		8.7E-03	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	1,2-Dichlorobenzene	95-50-1	T		U	5.00E-03	6.0E-01		3.0E-01	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	1,3-Dichlorobenzene	541-73-1	T		U	5.00E-03	1.4E-01		4.8E-03	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	1,4-Dichlorobenzene	106-46-7	T		U	5.00E-03	7.5E-02		4.8E-03	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	Dichlorodifluoromethane	75-71-8	T		U	1.00E-03	4.0E+00		2.0E-01	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	1.00E-03	7.8E-03		4.7E-03	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	Methyl Acetate	79-20-9	T		U	5.00E-03	2.0E+01		2.0E+01	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	Methylcyclohexane	108-87-2	T		U	5.00E-03			1.3E+01	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	Methylene Chloride	75-09-2	T		U	1.00E-03	5.0E-03		1.1E-01	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	Styrene	100-42-5	T		U	5.00E-03	1.0E-01		1.2E+00	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	1.00E-03	3.9E-03		7.6E-04	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	Tetrachloroethene	127-18-4	T		U	1.00E-03	5.0E-03		4.1E-02	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	Toluene	108-88-3	T	6.00E-04	J	1.00E-03	1.0E+00	6.0E-04	1.1E+00	5.5E-04

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-121	MW-121_05/11/20	N	05/11/20	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	5.00E-03	7.0E-02		4.0E-03	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	Trichlorofluoromethane	75-69-4	T		U	1.00E-03	6.0E+00		5.2E+00	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-02	6.0E+02		1.0E+01	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	Vinyl Chloride	75-01-4	T		U	1.00E-03	2.0E-03		1.9E-04	
MW-121	MW-121_05/11/20	N	05/11/20	VOC	Xylenes (total)	1330-20-7	T		U	5.00E-03	1.0E+01		1.9E-01	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Acenaphthene	83-32-9	T		U	5.00E-04	1.2E+00		5.3E-01	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Acenaphthylene	208-96-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Acetophenone	98-86-2	T		U	1.00E-02	2.0E+00		1.9E+00	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Anthracene	120-12-7	T		U	5.00E-04	6.0E+00		1.8E+00	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Atrazine	1912-24-9	T		U	5.00E-03	3.0E-03		3.0E-03	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Benzaldehyde	100-52-7	T		U	1.00E-02	1.9E-01		1.9E-01	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	5.00E-04	2.5E-03		3.0E-04	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	5.00E-04	2.0E-04		2.5E-04	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	5.00E-04	2.5E-02		2.5E-02	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-02	9.7E-02		8.3E-04	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	2.00E-03	6.0E-02		5.9E-02	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	2.00E-03	7.1E-04		1.4E-04	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.10E-02	6.0E-03		5.6E-02	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	2.00E-03				
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Butylbenzylphthalate	85-68-7	T		U	5.00E-03	4.1E-01		1.6E-01	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Caprolactam	105-60-2	T		U	1.10E-02	1.0E+01		9.9E+00	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Carbazole	86-74-8	T		U	2.00E-03	8.0E-01		2.9E-01	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	4.00E-03	2.0E+00		1.4E+00	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	4-Chloroaniline	106-47-8	T		U	1.00E-02	3.9E-03		3.7E-03	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-03	1.6E+00		7.5E-01	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	2-Chlorophenol	95-57-8	T		U	2.00E-03	1.0E-01		9.1E-02	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	2.00E-03				
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Chrysene	218-01-9	T		U	5.00E-04	2.5E-01		2.5E-01	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	5.00E-04	2.5E-04		2.5E-04	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-03	2.0E-02		7.9E-03	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.00E-02	1.7E-03		1.3E-03	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	2,4-Dichlorophenol	120-83-2	T		U	2.00E-03	6.0E-02		4.6E-02	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Diethylphthalate	84-66-2	T		U	5.00E-03	1.6E+01		1.5E+01	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	2,4-Dimethylphenol	105-67-9	T	9.00E-03	J	1.00E-02	4.0E-01	2.3E-02	3.6E-01	2.5E-02
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Dimethylphthalate	131-11-3	T		U	5.00E-03	1.6E+01		1.5E+01	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Di-n-butylphthalate	84-74-2	T		U	5.00E-03	2.0E+00		9.0E-01	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	2.10E-02	1.6E-03		1.5E-03	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	2,4-Dinitrophenol	51-28-5	T		U	3.00E-02	4.0E-02		3.9E-02	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.10E-02	2.0E-01		2.0E-01	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Fluoranthene	206-44-0	T		U	5.00E-04	8.0E-01		8.0E-01	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Fluorene	86-73-7	T		U	5.00E-04	8.0E-01		2.9E-01	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Hexachlorobenzene	118-74-1	T		U	5.00E-04	1.0E-03		9.8E-05	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Hexachlorobutadiene	87-68-3	T		U	2.00E-03	1.0E-02		1.4E-03	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.10E-02	5.0E-02		4.1E-04	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Hexachloroethane	67-72-1	T		U	5.00E-03	1.4E-02		3.3E-03	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Isophorone	78-59-1	T		U	2.00E-03	8.2E-01		7.8E-01	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	5.00E-04	8.0E-02		3.6E-02	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	2-Methylphenol	95-48-7	T	9.00E-04	J	2.00E-03	1.0E+00	9.0E-04	9.3E-01	9.7E-04
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	4-Methylphenol	106-44-5	T		U	2.00E-03	4.0E-01		3.7E-01	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Naphthalene	91-20-3	T	2.00E-03		5.00E-04	6.5E-03	3.1E-01	1.2E-03	1.7E+00
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	2-Nitroaniline	88-74-4	T		U	7.00E-03	2.0E-01		1.9E-01	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	3-Nitroaniline	99-09-2	T		U	7.00E-03	3.9E-02		3.8E-02	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	4-Nitroaniline	100-01-6	T		U	3.00E-03	3.9E-02		3.8E-02	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	2-Nitrophenol	88-75-5	T		U	1.00E-02				
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	4-Nitrophenol	100-02-7	T		U	3.00E-02				
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	3.00E-03	1.6E-01		1.2E-01	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	3.00E-03	1.1E-04		1.1E-04	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	2.00E-03	8.0E-01		7.1E-01	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Pentachlorophenol	87-86-5	T		U	5.00E-03	1.0E-03		4.1E-04	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Phenanthrene	85-01-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Phenol	108-95-2	T		U	2.00E-03	6.0E+00		5.8E+00	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Pyrene	129-00-0	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	2.00E-03	2.0E+00		1.2E+00	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	2.00E-03	2.0E-02		1.2E-02	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	5.00E-03	2.5E-03		2.4E-03	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	2.00E-03	5.2E-04		4.9E-04	
MW-121	MW-121_05/11/20	N	05/11/20	SVOC	Nitrobenzene	98-95-3	T		U	2.00E-03	4.0E-02		1.4E-03	
MW-121	MW-121_05/11/20	N	05/11/20	INORG	Antimony	7440-36-0	T		U	5.00E-02	6.0E-03		7.8E-03	
MW-121	MW-121_05/11/20	N	05/11/20	INORG	Arsenic	7440-38-2	T		U	3.00E-02	1.0E-02		5.2E-04	
MW-121	MW-121_05/11/20	N	05/11/20	INORG	Barium	7440-39-3	T	2.80E-01		5.00E-03	2.0E+00	1.4E-01	3.8E+00	7.4E-02
MW-121	MW-121_05/11/20	N	05/11/20	INORG	Beryllium	7440-41-7	T		U	5.00E-03	4.0E-03		2.5E-02	
MW-121	MW-121_05/11/20	N	05/11/20	INORG	Cadmium	7440-43-9	T	1.10E-03	J	5.00E-03	5.0E-03	2.2E-01	1.8E-03	6.1E-01
MW-121	MW-121_05/11/20	N	05/11/20	INORG	Chromium (total)	7440-47-3	T	3.90E-03	J	1.50E-02	1.0E-01	3.9E-02	2.2E+01	1.8E-04
MW-121	MW-121_05/11/20	N	05/11/20	INORG	Cobalt	7440-48-4	T	5.30E-03		5.00E-03	6.0E-03	8.8E-01	6.0E-03	8.8E-01
MW-121	MW-121_05/11/20	N	05/11/20	INORG	Copper	7440-50-8	T		U	2.00E-02	1.3E+00		8.0E-01	
MW-121	MW-121_05/11/20	N	05/11/20	INORG	Iron	7439-89-6	T	1.34E+02		1.00E+01	1.4E+01	9.6E+00	1.4E+01	9.6E+00
MW-121	MW-121_05/11/20	N	05/11/20	INORG	Lead	7439-92-1	T	1.77E-02		1.50E-02	1.5E-02	1.2E+00	1.5E-02	1.2E+00
MW-121	MW-121_05/11/20	N	05/11/20	INORG	Manganese	7439-96-5	T	7.94E+00		1.00E-02	4.8E-01	1.7E+01	4.3E-01	1.8E+01
MW-121	MW-121_05/11/20	N	05/11/20	INORG	Mercury	7439-97-6	T		U	2.00E-04	2.0E-03		5.7E-04	
MW-121	MW-121_05/11/20	N	05/11/20	INORG	Molybdenum	7439-98-7	T		U	1.00E-02	1.0E-01		1.0E-01	
MW-121	MW-121_05/11/20	N	05/11/20	INORG	Nickel	7440-02-0	T	5.21E-02		1.00E-02	4.0E-01	1.3E-01	3.9E-01	1.3E-01
MW-121	MW-121_05/11/20	N	05/11/20	INORG	Selenium	7782-49-2	T		U	5.00E-02	5.0E-02		1.0E-01	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-121	MW-121_05/11/20	N	05/11/20	INORG	Silver	7440-22-4	T		U	1.00E-02	1.0E-01		9.4E-02	
MW-121	MW-121_05/11/20	N	05/11/20	INORG	Thallium	7440-28-0	T		U	3.00E-02	2.0E-03		2.0E-04	
MW-121	MW-121_05/11/20	N	05/11/20	INORG	Vanadium	7440-62-2	T	9.00E-03	J	1.00E-02	1.0E-01	9.0E-02	8.6E-02	1.0E-01
MW-121	MW-121_05/11/20	N	05/11/20	INORG	Zinc	7440-66-6	T	1.12E-01		2.00E-02	6.0E+00	1.9E-02	6.0E+00	1.9E-02
MW-121	410-33562-1_MW-121	N	03/23/21	SVOC	Naphthalene	91-20-3	T		U	1.60E-03	6.5E-03		1.2E-03	
MW-121	MW-121-03232021	N	03/23/21	SVOC	Naphthalene	91-20-3	T		U	6.10E-04	6.5E-03		1.2E-03	
MW-122	MW-122_02/18/20	N	02/18/20	INORG	Iron	7439-89-6	T	5.25E+01		5.00E+00	1.4E+01	<b>3.8E+00</b>	1.4E+01	<b>3.8E+00</b>
MW-122	MW-122_02/18/20	N	02/18/20	INORG	Manganese	7439-96-5	T	5.95E+00		1.00E-02	4.8E-01	<b>1.2E+01</b>	4.3E-01	<b>1.4E+01</b>
MW-122	MW-122_05/12/20	N	05/12/20	VOC	Acetone	67-64-1	T		U	2.00E-02	1.8E+01		1.8E+01	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	Bromodichloromethane	75-27-4	T		U	1.00E-03	8.0E-02		1.3E-03	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	Bromoform	75-25-2	T		U	5.00E-03	8.0E-02		3.3E-02	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	Bromomethane	74-83-9	T		U	1.00E-03	2.8E-02		7.5E-03	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	2-Butanone	78-93-3	T		U	1.00E-02	1.2E+01		5.6E+00	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	Carbon Tetrachloride	56-23-5	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	Chloroethane	75-00-3	T		U	1.00E-03			8.3E+00	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	Chloroform	67-66-3	T		U	1.00E-03	8.0E-02		2.2E-03	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	Chloromethane	74-87-3	T		U	1.00E-03			1.9E-01	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	Cumene	98-82-8	T		U	5.00E-03	2.0E+00		4.5E-01	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	Cyclohexane	110-82-7	T		U	5.00E-03			1.3E+01	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	Dibromochloromethane	124-48-1	T		U	1.00E-03	8.0E-02		8.7E-03	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	1,2-Dichlorobenzene	95-50-1	T		U	5.00E-03	6.0E-01		3.0E-01	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	1,3-Dichlorobenzene	541-73-1	T		U	5.00E-03	1.4E-01		4.8E-03	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	1,4-Dichlorobenzene	106-46-7	T		U	5.00E-03	7.5E-02		4.8E-03	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	Dichlorodifluoromethane	75-71-8	T		U	1.00E-03	4.0E+00		2.0E-01	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	1.00E-03	7.8E-03		4.7E-03	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	Methyl Acetate	79-20-9	T		U	5.00E-03	2.0E+01		2.0E+01	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	Methylcyclohexane	108-87-2	T		U	5.00E-03			1.3E+01	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	Methylene Chloride	75-09-2	T		U	1.00E-03	5.0E-03		1.1E-01	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	Styrene	100-42-5	T		U	5.00E-03	1.0E-01		1.2E+00	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-122	MW-122_05/12/20	N	05/12/20	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	1.00E-03	3.9E-03		7.6E-04	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	Tetrachloroethene	127-18-4	T		U	1.00E-03	5.0E-03		4.1E-02	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	5.00E-03	7.0E-02		4.0E-03	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	Trichlorofluoromethane	75-69-4	T		U	1.00E-03	6.0E+00		5.2E+00	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-02	6.0E+02		1.0E+01	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	Vinyl Chloride	75-01-4	T		U	1.00E-03	2.0E-03		1.9E-04	
MW-122	MW-122_05/12/20	N	05/12/20	VOC	Xylenes (total)	1330-20-7	T		U	5.00E-03	1.0E+01		1.9E-01	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Acenaphthene	83-32-9	T		U	5.00E-04	1.2E+00		5.3E-01	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Acenaphthylene	208-96-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Acetophenone	98-86-2	T		U	1.00E-02	2.0E+00		1.9E+00	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Anthracene	120-12-7	T		U	5.00E-04	6.0E+00		1.8E+00	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Atrazine	1912-24-9	T		U	5.00E-03	3.0E-03		3.0E-03	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Benzaldehyde	100-52-7	T		U	1.00E-02	1.9E-01		1.9E-01	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	5.00E-04	2.5E-03		3.0E-04	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	5.00E-04	2.0E-04		2.5E-04	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	5.00E-04	2.5E-02		2.5E-02	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-02	9.7E-02		8.3E-04	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	2.00E-03	6.0E-02		5.9E-02	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	2.00E-03	7.1E-04		1.4E-04	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.10E-02	6.0E-03		5.6E-02	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	2.00E-03				
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Butylbenzylphthalate	85-68-7	T		U	5.00E-03	4.1E-01		1.6E-01	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Caprolactam	105-60-2	T		U	1.10E-02	1.0E+01		9.9E+00	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Carbazole	86-74-8	T		U	2.00E-03	8.0E-01		2.9E-01	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	4.00E-03	2.0E+00		1.4E+00	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	4-Chloroaniline	106-47-8	T		U	1.00E-02	3.9E-03		3.7E-03	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-03	1.6E+00		7.5E-01	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	2-Chlorophenol	95-57-8	T		U	2.00E-03	1.0E-01		9.1E-02	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	2.00E-03				
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Chrysene	218-01-9	T		U	5.00E-04	2.5E-01		2.5E-01	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	5.00E-04	2.5E-04		2.5E-04	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-03	2.0E-02		7.9E-03	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.00E-02	1.7E-03		1.3E-03	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	2,4-Dichlorophenol	120-83-2	T		U	2.00E-03	6.0E-02		4.6E-02	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Diethylphthalate	84-66-2	T		U	5.00E-03	1.6E+01		1.5E+01	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.00E-02	4.0E-01		3.6E-01	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Dimethylphthalate	131-11-3	T		U	5.00E-03	1.6E+01		1.5E+01	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Di-n-butylphthalate	84-74-2	T		U	5.00E-03	2.0E+00		9.0E-01	



**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	2.10E-02	1.6E-03		1.5E-03	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	2,4-Dinitrophenol	51-28-5	T		U	3.00E-02	4.0E-02		3.9E-02	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.10E-02	2.0E-01		2.0E-01	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Fluoranthene	206-44-0	T		U	5.00E-04	8.0E-01		8.0E-01	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Fluorene	86-73-7	T	7.00E-04		5.00E-04	8.0E-01	8.8E-04	2.9E-01	2.4E-03
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Hexachlorobenzene	118-74-1	T		U	5.00E-04	1.0E-03		9.8E-05	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Hexachlorobutadiene	87-68-3	T		U	2.00E-03	1.0E-02		1.4E-03	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.10E-02	5.0E-02		4.1E-04	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Hexachloroethane	67-72-1	T		U	5.00E-03	1.4E-02		3.3E-03	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Isophorone	78-59-1	T		U	2.00E-03	8.2E-01		7.8E-01	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	5.00E-04	8.0E-02		3.6E-02	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	2-Methylphenol	95-48-7	T		U	2.00E-03	1.0E+00		9.3E-01	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	4-Methylphenol	106-44-5	T		U	2.00E-03	4.0E-01		3.7E-01	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Naphthalene	91-20-3	T		U	5.00E-04	6.5E-03		1.2E-03	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	2-Nitroaniline	88-74-4	T		U	7.00E-03	2.0E-01		1.9E-01	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	3-Nitroaniline	99-09-2	T		U	7.00E-03	3.9E-02		3.8E-02	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	4-Nitroaniline	100-01-6	T		U	3.00E-03	3.9E-02		3.8E-02	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	2-Nitrophenol	88-75-5	T		U	1.00E-02				
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	4-Nitrophenol	100-02-7	T		U	3.00E-02				
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	3.00E-03	1.6E-01		1.2E-01	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	3.00E-03	1.1E-04		1.1E-04	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	2.00E-03	8.0E-01		7.1E-01	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Pentachlorophenol	87-86-5	T		U	5.00E-03	1.0E-03		4.1E-04	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Phenanthrene	85-01-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Phenol	108-95-2	T		U	2.00E-03	6.0E+00		5.8E+00	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Pyrene	129-00-0	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	2.00E-03	2.0E+00		1.2E+00	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	2.00E-03	2.0E-02		1.2E-02	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	5.00E-03	2.5E-03		2.4E-03	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	2.00E-03	5.2E-04		4.9E-04	
MW-122	MW-122_05/12/20	N	05/12/20	SVOC	Nitrobenzene	98-95-3	T		U	2.00E-03	4.0E-02		1.4E-03	
MW-122	MW-122_05/12/20	N	05/12/20	INORG	Antimony	7440-36-0	T		U	5.00E-02	6.0E-03		7.8E-03	
MW-122	MW-122_05/12/20	N	05/12/20	INORG	Arsenic	7440-38-2	T		U	3.00E-02	1.0E-02		5.2E-04	
MW-122	MW-122_05/12/20	N	05/12/20	INORG	Barium	7440-39-3	T	8.27E-02		5.00E-03	2.0E+00	4.1E-02	3.8E+00	2.2E-02
MW-122	MW-122_05/12/20	N	05/12/20	INORG	Beryllium	7440-41-7	T		U	5.00E-03	4.0E-03		2.5E-02	
MW-122	MW-122_05/12/20	N	05/12/20	INORG	Cadmium	7440-43-9	T		U	5.00E-03	5.0E-03		1.8E-03	
MW-122	MW-122_05/12/20	N	05/12/20	INORG	Chromium (total)	7440-47-3	T		U	1.50E-02	1.0E-01		2.2E+01	
MW-122	MW-122_05/12/20	N	05/12/20	INORG	Cobalt	7440-48-4	T	1.30E-02		5.00E-03	6.0E-03	<b>2.2E+00</b>	6.0E-03	<b>2.2E+00</b>
MW-122	MW-122_05/12/20	N	05/12/20	INORG	Copper	7440-50-8	T		U	2.00E-02	1.3E+00		8.0E-01	
MW-122	MW-122_05/12/20	N	05/12/20	INORG	Iron	7439-89-6	T	4.86E+01		5.00E+00	1.4E+01	<b>3.5E+00</b>	1.4E+01	<b>3.5E+00</b>
MW-122	MW-122_05/12/20	N	05/12/20	INORG	Lead	7439-92-1	T		U	1.50E-02	1.5E-02		1.5E-02	
MW-122	MW-122_05/12/20	N	05/12/20	INORG	Manganese	7439-96-5	T	5.14E+00		1.00E-02	4.8E-01	<b>1.1E+01</b>	4.3E-01	<b>1.2E+01</b>
MW-122	MW-122_05/12/20	N	05/12/20	INORG	Mercury	7439-97-6	T		U	2.00E-04	2.0E-03		5.7E-04	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-122	MW-122_05/12/20	N	05/12/20	INORG	Molybdenum	7439-98-7	T		U	1.00E-02	1.0E-01		1.0E-01	
MW-122	MW-122_05/12/20	N	05/12/20	INORG	Nickel	7440-02-0	T	1.09E-02		1.00E-02	4.0E-01	2.7E-02	3.9E-01	2.8E-02
MW-122	MW-122_05/12/20	N	05/12/20	INORG	Selenium	7782-49-2	T		U	5.00E-02	5.0E-02		1.0E-01	
MW-122	MW-122_05/12/20	N	05/12/20	INORG	Silver	7440-22-4	T		U	1.00E-02	1.0E-01		9.4E-02	
MW-122	MW-122_05/12/20	N	05/12/20	INORG	Thallium	7440-28-0	T		U	3.00E-02	2.0E-03		2.0E-04	
MW-122	MW-122_05/12/20	N	05/12/20	INORG	Vanadium	7440-62-2	T		U	1.00E-02	1.0E-01		8.6E-02	
MW-122	MW-122_05/12/20	N	05/12/20	INORG	Zinc	7440-66-6	T	5.50E-03	J	2.00E-02	6.0E+00	9.2E-04	6.0E+00	9.2E-04
MW-122	410-33562-1_MW-122	N	03/23/21	SVOC	Naphthalene	91-20-3	T	7.70E-05	J	1.70E-04	6.5E-03	1.2E-02	1.2E-03	6.4E-02
MW-122	MW-122-03232021	N	03/23/21	SVOC	Naphthalene	91-20-3	T	7.70E-05	J	6.50E-05	6.5E-03	1.2E-02	1.2E-03	6.4E-02
MW-122	HRP-DUP07-211102	FD	11/02/21	SVOC	Naphthalene	91-20-3	T		U	6.40E-04	6.5E-03		1.2E-03	
MW-122	HRP-MW122-211102	N	11/02/21	SVOC	Naphthalene	91-20-3	T		U	6.40E-04	6.5E-03		1.2E-03	
MW-122	HRP-DUP-02-220503	FD	05/03/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
MW-122	HRP-MW-122-2220503	N	05/03/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
MW-122	HRP-FD02-221019	FD	10/19/22	SVOC	Naphthalene	91-20-3	T	1.30E-03	J	1.00E-03	6.5E-03	2.0E-01	1.2E-03	<b>1.1E+00</b>
MW-122	HRP-MW122-221019	N	10/19/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	Acetone	67-64-1	T	8.00E-03	J	2.00E-02	1.8E+01	4.4E-04	1.8E+01	4.4E-04
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	Bromodichloromethane	75-27-4	T		U	1.00E-03	8.0E-02		1.3E-03	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	Bromoform	75-25-2	T		U	5.00E-03	8.0E-02		3.3E-02	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	Bromomethane	74-83-9	T		U	1.00E-03	2.8E-02		7.5E-03	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	2-Butanone	78-93-3	T	1.00E-03	J	1.00E-02	1.2E+01	8.3E-05	5.6E+00	1.8E-04
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	Carbon Tetrachloride	56-23-5	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	Chloroethane	75-00-3	T		U	1.00E-03			8.3E+00	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	Chloroform	67-66-3	T		U	1.00E-03	8.0E-02		2.2E-03	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	Chloromethane	74-87-3	T		U	1.00E-03			1.9E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	Cumene	98-82-8	T		U	5.00E-03	2.0E+00		4.5E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	Cyclohexane	110-82-7	T		U	5.00E-03			1.3E+01	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	Dibromochloromethane	124-48-1	T		U	1.00E-03	8.0E-02		8.7E-03	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	1,2-Dichlorobenzene	95-50-1	T		U	5.00E-03	6.0E-01		3.0E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	1,3-Dichlorobenzene	541-73-1	T		U	5.00E-03	1.4E-01		4.8E-03	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	1,4-Dichlorobenzene	106-46-7	T		U	5.00E-03	7.5E-02		4.8E-03	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	Dichlorodifluoromethane	75-71-8	T		U	1.00E-03	4.0E+00		2.0E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	1.00E-03	7.8E-03		4.7E-03	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	Methyl Acetate	79-20-9	T		U	5.00E-03	2.0E+01		2.0E+01	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	Methylcyclohexane	108-87-2	T		U	5.00E-03			1.3E+01	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	Methylene Chloride	75-09-2	T		U	1.00E-03	5.0E-03		1.1E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	Styrene	100-42-5	T		U	5.00E-03	1.0E-01		1.2E+00	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	1.00E-03	3.9E-03		7.6E-04	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	Tetrachloroethene	127-18-4	T		U	1.00E-03	5.0E-03		4.1E-02	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	5.00E-03	7.0E-02		4.0E-03	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	Trichlorofluoromethane	75-69-4	T		U	1.00E-03	6.0E+00		5.2E+00	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-02	6.0E+02		1.0E+01	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	Vinyl Chloride	75-01-4	T		U	1.00E-03	2.0E-03		1.9E-04	
MW-123S	RW-123S_05/12/20	N	05/12/20	VOC	Xylenes (total)	1330-20-7	T		U	5.00E-03	1.0E+01		1.9E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Acenaphthene	83-32-9	T		U	3.00E-03	1.2E+00		5.3E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Acenaphthylene	208-96-8	T		U	3.00E-03	6.0E-01		1.2E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Acetophenone	98-86-2	T		U	5.00E-02	2.0E+00		1.9E+00	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Anthracene	120-12-7	T		U	3.00E-03	6.0E+00		1.8E+00	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Atrazine	1912-24-9	T		U	2.50E-02	3.0E-03		3.0E-03	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Benzaldehyde	100-52-7	T		U	5.00E-02	1.9E-01		1.9E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	3.00E-03	2.5E-03		3.0E-04	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	3.00E-03	2.0E-04		2.5E-04	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	3.00E-03	2.5E-03		2.5E-03	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	3.00E-03	6.0E-01		1.2E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	3.00E-03	2.5E-02		2.5E-02	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	1,1-Biphenyl	92-52-4	T		U	5.00E-02	9.7E-02		8.3E-04	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	1.00E-02	6.0E-02		5.9E-02	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	1.00E-02	7.1E-04		1.4E-04	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	5.50E-02	6.0E-03		5.6E-02	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	1.00E-02				
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Butylbenzylphthalate	85-68-7	T		U	2.50E-02	4.1E-01		1.6E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Caprolactam	105-60-2	T		U	5.50E-02	1.0E+01		9.9E+00	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Carbazole	86-74-8	T		U	1.00E-02	8.0E-01		2.9E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	1.80E-02	2.0E+00		1.4E+00	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	4-Chloroaniline	106-47-8	T		U	5.00E-02	3.9E-03		3.7E-03	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	2-Chloronaphthalene	91-58-7	T		U	5.00E-03	1.6E+00		7.5E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	2-Chlorophenol	95-57-8	T		U	1.00E-02	1.0E-01		9.1E-02	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	1.00E-02				
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Chrysene	218-01-9	T		U	3.00E-03	2.5E-01		2.5E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	3.00E-03	2.5E-04		2.5E-04	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Dibenzofuran	132-64-9	T		U	1.00E-02	2.0E-02		7.9E-03	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	5.00E-02	1.7E-03		1.3E-03	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	2,4-Dichlorophenol	120-83-2	T		U	1.00E-02	6.0E-02		4.6E-02	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Diethylphthalate	84-66-2	T		U	2.50E-02	1.6E+01		1.5E+01	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	2,4-Dimethylphenol	105-67-9	T		U	5.00E-02	4.0E-01		3.6E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Dimethylphthalate	131-11-3	T		U	2.50E-02	1.6E+01		1.5E+01	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Di-n-butylphthalate	84-74-2	T		U	2.50E-02	2.0E+00		9.0E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	1.10E-01	1.6E-03		1.5E-03	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	2,4-Dinitrophenol	51-28-5	T		U	1.50E-01	4.0E-02		3.9E-02	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Di-n-octylphthalate	117-84-0	T		U	5.50E-02	2.0E-01		2.0E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Fluoranthene	206-44-0	T		U	3.00E-03	8.0E-01		8.0E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Fluorene	86-73-7	T		U	3.00E-03	8.0E-01		2.9E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Hexachlorobenzene	118-74-1	T		U	3.00E-03	1.0E-03		9.8E-05	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Hexachlorobutadiene	87-68-3	T		U	1.00E-02	1.0E-02		1.4E-03	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	5.50E-02	5.0E-02		4.1E-04	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Hexachloroethane	67-72-1	T		U	2.50E-02	1.4E-02		3.3E-03	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	3.00E-03	2.5E-03		2.5E-03	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Isophorone	78-59-1	T		U	1.00E-02	8.2E-01		7.8E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	3.00E-03	8.0E-02		3.6E-02	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	2-Methylphenol	95-48-7	T		U	1.00E-02	1.0E+00		9.3E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	4-Methylphenol	106-44-5	T		U	1.00E-02	4.0E-01		3.7E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Naphthalene	91-20-3	T		U	3.00E-03	6.5E-03		1.2E-03	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	2-Nitroaniline	88-74-4	T		U	3.50E-02	2.0E-01		1.9E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	3-Nitroaniline	99-09-2	T		U	3.50E-02	3.9E-02		3.8E-02	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	4-Nitroaniline	100-01-6	T		U	1.50E-02	3.9E-02		3.8E-02	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	2-Nitrophenol	88-75-5	T		U	5.00E-02				
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	4-Nitrophenol	100-02-7	T		U	1.50E-01				
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	1.50E-02	1.6E-01		1.2E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	1.50E-02	1.1E-04		1.1E-04	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	1.00E-02	8.0E-01		7.1E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Pentachlorophenol	87-86-5	T		U	2.50E-02	1.0E-03		4.1E-04	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Phenanthrene	85-01-8	T		U	3.00E-03	6.0E-01		1.2E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Phenol	108-95-2	T		U	1.00E-02	6.0E+00		5.8E+00	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Pyrene	129-00-0	T		U	3.00E-03	6.0E-01		1.2E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	1.00E-02	2.0E+00		1.2E+00	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	1.00E-02	2.0E-02		1.2E-02	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	2.50E-02	2.5E-03		2.4E-03	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	1.00E-02	5.2E-04		4.9E-04	
MW-123S	RW-123S_05/12/20	N	05/12/20	SVOC	Nitrobenzene	98-95-3	T		U	1.00E-02	4.0E-02		1.4E-03	
MW-123S	RW-123S_05/12/20	N	05/12/20	INORG	Antimony	7440-36-0	T		U	5.00E-02	6.0E-03		7.8E-03	
MW-123S	RW-123S_05/12/20	N	05/12/20	INORG	Arsenic	7440-38-2	T		U	3.00E-02	1.0E-02		5.2E-04	
MW-123S	RW-123S_05/12/20	N	05/12/20	INORG	Barium	7440-39-3	T	3.42E-01		5.00E-03	2.0E+00	1.7E-01	3.8E+00	9.0E-02
MW-123S	RW-123S_05/12/20	N	05/12/20	INORG	Beryllium	7440-41-7	T		U	5.00E-03	4.0E-03		2.5E-02	
MW-123S	RW-123S_05/12/20	N	05/12/20	INORG	Cadmium	7440-43-9	T	2.80E-03	J	5.00E-03	5.0E-03	5.6E-01	1.8E-03	1.6E+00

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-123S	RW-123S_05/12/20	N	05/12/20	INORG	Chromium (total)	7440-47-3	T		U	1.50E-02	1.0E-01		2.2E+01	
MW-123S	RW-123S_05/12/20	N	05/12/20	INORG	Cobalt	7440-48-4	T	7.10E-03		5.00E-03	6.0E-03	1.2E+00	6.0E-03	1.2E+00
MW-123S	RW-123S_05/12/20	N	05/12/20	INORG	Copper	7440-50-8	T		U	2.00E-02	1.3E+00		8.0E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	INORG	Lead	7439-92-1	T		U	1.50E-02	1.5E-02		1.5E-02	
MW-123S	RW-123S_05/12/20	N	05/12/20	INORG	Mercury	7439-97-6	T		U	2.00E-04	2.0E-03		5.7E-04	
MW-123S	RW-123S_05/12/20	N	05/12/20	INORG	Molybdenum	7439-98-7	T		U	1.00E-02	1.0E-01		1.0E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	INORG	Nickel	7440-02-0	T	2.80E-03	J	1.00E-02	4.0E-01	7.0E-03	3.9E-01	7.2E-03
MW-123S	RW-123S_05/12/20	N	05/12/20	INORG	Selenium	7782-49-2	T		U	5.00E-02	5.0E-02		1.0E-01	
MW-123S	RW-123S_05/12/20	N	05/12/20	INORG	Silver	7440-22-4	T		U	1.00E-02	1.0E-01		9.4E-02	
MW-123S	RW-123S_05/12/20	N	05/12/20	INORG	Thallium	7440-28-0	T		U	3.00E-02	2.0E-03		2.0E-04	
MW-123S	RW-123S_05/12/20	N	05/12/20	INORG	Vanadium	7440-62-2	T	1.20E-02		1.00E-02	1.0E-01	1.2E-01	8.6E-02	1.4E-01
MW-123S	RW-123S_05/12/20	N	05/12/20	INORG	Zinc	7440-66-6	T		U	2.00E-02	6.0E+00		6.0E+00	
MW-123S	410-33562-1_MW-123S	N	03/24/21	SVOC	Naphthalene	91-20-3	T		U	1.70E-04	6.5E-03		1.2E-03	
MW-123S	MW-123S-03242021	N	03/24/21	SVOC	Naphthalene	91-20-3	T		U	6.20E-05	6.5E-03		1.2E-03	
MW-123S	HRP-DUP06-211101	FD	11/01/21	SVOC	Naphthalene	91-20-3	T		U	6.40E-04	6.5E-03		1.2E-03	
MW-123S	HRP-MW123S-211101	N	11/01/21	SVOC	Naphthalene	91-20-3	T		U	6.40E-04	6.5E-03		1.2E-03	
MW-123S	HRP-DUP-01-220503	FD	05/03/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
MW-123S	HRP-MW-123S-220503	N	05/03/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
MW-123S	HRP-FD01-221019	FD	10/19/22	SVOC	Naphthalene	91-20-3	T	3.00E-03	J	1.00E-03	6.5E-03	4.6E-01	1.2E-03	2.5E+00
MW-123S	HRP-MW123S-221019	N	10/19/22	SVOC	Naphthalene	91-20-3	T	2.30E-02		1.00E-03	6.5E-03	3.5E+00	1.2E-03	1.9E+01
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	Acetone	67-64-1	T		U	2.00E-02	1.8E+01		1.8E+01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	Bromodichloromethane	75-27-4	T		U	1.00E-03	8.0E-02		1.3E-03	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	Bromoform	75-25-2	T		U	5.00E-03	8.0E-02		3.3E-02	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	Bromomethane	74-83-9	T		U	1.00E-03	2.8E-02		7.5E-03	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	2-Butanone	78-93-3	T		U	1.00E-02	1.2E+01		5.6E+00	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	Carbon Tetrachloride	56-23-5	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	Chloroethane	75-00-3	T		U	1.00E-03			8.3E+00	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	Chloroform	67-66-3	T		U	1.00E-03	8.0E-02		2.2E-03	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	Chloromethane	74-87-3	T		U	1.00E-03			1.9E-01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	Cumene	98-82-8	T		U	5.00E-03	2.0E+00		4.5E-01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	Cyclohexane	110-82-7	T		U	5.00E-03			1.3E+01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	Dibromochloromethane	124-48-1	T		U	1.00E-03	8.0E-02		8.7E-03	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	1,2-Dichlorobenzene	95-50-1	T		U	5.00E-03	6.0E-01		3.0E-01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	1,3-Dichlorobenzene	541-73-1	T		U	5.00E-03	1.4E-01		4.8E-03	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	1,4-Dichlorobenzene	106-46-7	T		U	5.00E-03	7.5E-02		4.8E-03	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	Dichlorodifluoromethane	75-71-8	T		U	1.00E-03	4.0E+00		2.0E-01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	1.00E-03	7.8E-03		4.7E-03	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	Methyl Acetate	79-20-9	T		U	5.00E-03	2.0E+01		2.0E+01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	Methylcyclohexane	108-87-2	T		U	5.00E-03			1.3E+01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	Methylene Chloride	75-09-2	T		U	1.00E-03	5.0E-03		1.1E-01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	Styrene	100-42-5	T		U	5.00E-03	1.0E-01		1.2E+00	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	1.00E-03	3.9E-03		7.6E-04	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	Tetrachloroethene	127-18-4	T		U	1.00E-03	5.0E-03		4.1E-02	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	Toluene	108-88-3	T	5.00E-04	J	1.00E-03	1.0E+00	5.0E-04	1.1E+00	4.5E-04
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	5.00E-03	7.0E-02		4.0E-03	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	Trichlorofluoromethane	75-69-4	T		U	1.00E-03	6.0E+00		5.2E+00	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-02	6.0E+02		1.0E+01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	Vinyl Chloride	75-01-4	T		U	1.00E-03	2.0E-03		1.9E-04	
MW-14	MW/RW-14_05/14/20	N	05/14/20	VOC	Xylenes (total)	1330-20-7	T		U	5.00E-03	1.0E+01		1.9E-01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Acenaphthene	83-32-9	T		U	5.00E-04	1.2E+00		5.3E-01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Acenaphthylene	208-96-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Acetophenone	98-86-2	T		U	1.10E-02	2.0E+00		1.9E+00	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Anthracene	120-12-7	T		U	5.00E-04	6.0E+00		1.8E+00	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Atrazine	1912-24-9	T		U	5.00E-03	3.0E-03		3.0E-03	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Benzaldehyde	100-52-7	T		U	1.10E-02	1.9E-01		1.9E-01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	5.00E-04	2.5E-03		3.0E-04	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	5.00E-04	2.0E-04		2.5E-04	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	5.00E-04	2.5E-02		2.5E-02	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.10E-02	9.7E-02		8.3E-04	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	2.00E-03	6.0E-02		5.9E-02	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	2.00E-03	7.1E-04		1.4E-04	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.20E-02	6.0E-03		5.6E-02	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	2.00E-03				
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Butylbenzylphthalate	85-68-7	T		U	5.00E-03	4.1E-01		1.6E-01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Caprolactam	105-60-2	T		U	1.20E-02	1.0E+01		9.9E+00	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Carbazole	86-74-8	T		U	2.00E-03	8.0E-01		2.9E-01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	4.00E-03	2.0E+00		1.4E+00	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	4-Chloroaniline	106-47-8	T		U	1.10E-02	3.9E-03		3.7E-03	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-03	1.6E+00		7.5E-01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	2-Chlorophenol	95-57-8	T		U	2.00E-03	1.0E-01		9.1E-02	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	2.00E-03				
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Chrysene	218-01-9	T		U	5.00E-04	2.5E-01		2.5E-01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	5.00E-04	2.5E-04		2.5E-04	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-03	2.0E-02		7.9E-03	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.10E-02	1.7E-03		1.3E-03	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	2,4-Dichlorophenol	120-83-2	T		U	2.00E-03	6.0E-02		4.6E-02	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Diethylphthalate	84-66-2	T		U	5.00E-03	1.6E+01		1.5E+01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.10E-02	4.0E-01		3.6E-01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Dimethylphthalate	131-11-3	T		U	5.00E-03	1.6E+01		1.5E+01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Di-n-butylphthalate	84-74-2	T		U	5.00E-03	2.0E+00		9.0E-01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	2.30E-02	1.6E-03		1.5E-03	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	2,4-Dinitrophenol	51-28-5	T		U	3.20E-02	4.0E-02		3.9E-02	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.20E-02	2.0E-01		2.0E-01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Fluoranthene	206-44-0	T		U	5.00E-04	8.0E-01		8.0E-01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Fluorene	86-73-7	T		U	5.00E-04	8.0E-01		2.9E-01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Hexachlorobenzene	118-74-1	T		U	5.00E-04	1.0E-03		9.8E-05	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Hexachlorobutadiene	87-68-3	T		U	2.00E-03	1.0E-02		1.4E-03	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.20E-02	5.0E-02		4.1E-04	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Hexachloroethane	67-72-1	T		U	5.00E-03	1.4E-02		3.3E-03	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Isophorone	78-59-1	T		U	2.00E-03	8.2E-01		7.8E-01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	5.00E-04	8.0E-02		3.6E-02	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	2-Methylphenol	95-48-7	T	6.00E-03		2.00E-03	1.0E+00	6.0E-03	9.3E-01	6.5E-03
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	4-Methylphenol	106-44-5	T		U	2.00E-03	4.0E-01		3.7E-01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Naphthalene	91-20-3	T		U	5.00E-04	6.5E-03		1.2E-03	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	2-Nitroaniline	88-74-4	T		U	8.00E-03	2.0E-01		1.9E-01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	3-Nitroaniline	99-09-2	T		U	8.00E-03	3.9E-02		3.8E-02	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	4-Nitroaniline	100-01-6	T		U	3.00E-03	3.9E-02		3.8E-02	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	2-Nitrophenol	88-75-5	T		U	1.10E-02				
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	4-Nitrophenol	100-02-7	T		U	3.20E-02				
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	3.00E-03	1.6E-01		1.2E-01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	3.00E-03	1.1E-04		1.1E-04	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	2.00E-03	8.0E-01		7.1E-01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Pentachlorophenol	87-86-5	T		U	5.00E-03	1.0E-03		4.1E-04	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Phenanthrene	85-01-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Phenol	108-95-2	T		U	2.00E-03	6.0E+00		5.8E+00	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Pyrene	129-00-0	T	4.00E-04	J	5.00E-04	6.0E-01	6.7E-04	1.2E-01	3.3E-03
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	2.00E-03	2.0E+00		1.2E+00	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	2.00E-03	2.0E-02		1.2E-02	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	5.00E-03	2.5E-03		2.4E-03	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	2.00E-03	5.2E-04		4.9E-04	
MW-14	MW/RW-14_05/14/20	N	05/14/20	SVOC	Nitrobenzene	98-95-3	T		U	2.00E-03	4.0E-02		1.4E-03	



**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-14	MW/RW-14_05/14/20	N	05/14/20	INORG	Antimony	7440-36-0	T		U	5.00E-02	6.0E-03		7.8E-03	
MW-14	MW/RW-14_05/14/20	N	05/14/20	INORG	Arsenic	7440-38-2	T		U	3.00E-02	1.0E-02		5.2E-04	
MW-14	MW/RW-14_05/14/20	N	05/14/20	INORG	Barium	7440-39-3	T	1.84E-01		5.00E-03	2.0E+00	9.2E-02	3.8E+00	4.8E-02
MW-14	MW/RW-14_05/14/20	N	05/14/20	INORG	Beryllium	7440-41-7	T		U	5.00E-03	4.0E-03		2.5E-02	
MW-14	MW/RW-14_05/14/20	N	05/14/20	INORG	Cadmium	7440-43-9	T		U	5.00E-03	5.0E-03		1.8E-03	
MW-14	MW/RW-14_05/14/20	N	05/14/20	INORG	Chromium (total)	7440-47-3	T	1.60E-03	J	1.50E-02	1.0E-01	1.6E-02	2.2E+01	7.3E-05
MW-14	MW/RW-14_05/14/20	N	05/14/20	INORG	Cobalt	7440-48-4	T		U	5.00E-03	6.0E-03		6.0E-03	
MW-14	MW/RW-14_05/14/20	N	05/14/20	INORG	Copper	7440-50-8	T		U	2.00E-02	1.3E+00		8.0E-01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	INORG	Iron	7439-89-6	T	9.47E+01		5.00E+00	1.4E+01	<b>6.8E+00</b>	1.4E+01	<b>6.8E+00</b>
MW-14	MW/RW-14_05/14/20	N	05/14/20	INORG	Lead	7439-92-1	T	1.06E-02	J	1.50E-02	1.5E-02	7.1E-01	1.5E-02	7.1E-01
MW-14	MW/RW-14_05/14/20	N	05/14/20	INORG	Manganese	7439-96-5	T	6.32E+00		1.00E-02	4.8E-01	<b>1.3E+01</b>	4.3E-01	<b>1.5E+01</b>
MW-14	MW/RW-14_05/14/20	N	05/14/20	INORG	Mercury	7439-97-6	T	7.10E-05	J	2.00E-04	2.0E-03	3.6E-02	5.7E-04	1.2E-01
MW-14	MW/RW-14_05/14/20	N	05/14/20	INORG	Molybdenum	7439-98-7	T		U	1.00E-02	1.0E-01		1.0E-01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	INORG	Nickel	7440-02-0	T	5.00E-03	J	1.00E-02	4.0E-01	1.3E-02	3.9E-01	1.3E-02
MW-14	MW/RW-14_05/14/20	N	05/14/20	INORG	Selenium	7782-49-2	T		U	5.00E-02	5.0E-02		1.0E-01	
MW-14	MW/RW-14_05/14/20	N	05/14/20	INORG	Silver	7440-22-4	T		U	1.00E-02	1.0E-01		9.4E-02	
MW-14	MW/RW-14_05/14/20	N	05/14/20	INORG	Thallium	7440-28-0	T		U	3.00E-02	2.0E-03		2.0E-04	
MW-14	MW/RW-14_05/14/20	N	05/14/20	INORG	Vanadium	7440-62-2	T		U	1.00E-02	1.0E-01		8.6E-02	
MW-14	MW/RW-14_05/14/20	N	05/14/20	INORG	Zinc	7440-66-6	T		U	2.00E-02	6.0E+00		6.0E+00	
MW-14	410-33859-1_MW-14	N	03/25/21	SVOC	Naphthalene	91-20-3	T		U	8.10E-04	6.5E-03		1.2E-03	
MW-14	MW-14-03252021	N	03/25/21	SVOC	Naphthalene	91-20-3	T		U	3.00E-04	6.5E-03		1.2E-03	
MW-14	HRP-MW14-211028	N	10/28/21	SVOC	Naphthalene	91-20-3	T		U	6.40E-04	6.5E-03		1.2E-03	
MW-14	HRP-MW14-221018	N	10/18/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	Acetone	67-64-1	T		U	2.00E-02	1.8E+01		1.8E+01	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	Bromodichloromethane	75-27-4	T		U	1.00E-03	8.0E-02		1.3E-03	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	Bromoform	75-25-2	T		U	5.00E-03	8.0E-02		3.3E-02	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	Bromomethane	74-83-9	T		U	1.00E-03	2.8E-02		7.5E-03	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	2-Butanone	78-93-3	T		U	1.00E-02	1.2E+01		5.6E+00	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	Carbon Tetrachloride	56-23-5	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	Chloroethane	75-00-3	T		U	1.00E-03			8.3E+00	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	Chloroform	67-66-3	T		U	1.00E-03	8.0E-02		2.2E-03	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	Chloromethane	74-87-3	T		U	1.00E-03			1.9E-01	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	Cumene	98-82-8	T		U	5.00E-03	2.0E+00		4.5E-01	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	Cyclohexane	110-82-7	T		U	5.00E-03			1.3E+01	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	Dibromochloromethane	124-48-1	T		U	1.00E-03	8.0E-02		8.7E-03	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	1,2-Dichlorobenzene	95-50-1	T		U	5.00E-03	6.0E-01		3.0E-01	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	1,3-Dichlorobenzene	541-73-1	T		U	5.00E-03	1.4E-01		4.8E-03	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	1,4-Dichlorobenzene	106-46-7	T		U	5.00E-03	7.5E-02		4.8E-03	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	Dichlorodifluoromethane	75-71-8	T		U	1.00E-03	4.0E+00		2.0E-01	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-16	MW-16_05/13/20	N	05/13/20	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	1.00E-03	7.8E-03		4.7E-03	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	Methyl Acetate	79-20-9	T		U	5.00E-03	2.0E+01		2.0E+01	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	Methylcyclohexane	108-87-2	T		U	5.00E-03			1.3E+01	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	Methylene Chloride	75-09-2	T		U	1.00E-03	5.0E-03		1.1E-01	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	Styrene	100-42-5	T		U	5.00E-03	1.0E-01		1.2E+00	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	1.00E-03	3.9E-03		7.6E-04	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	Tetrachloroethene	127-18-4	T		U	1.00E-03	5.0E-03		4.1E-02	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	5.00E-03	7.0E-02		4.0E-03	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	Trichlorofluoromethane	75-69-4	T		U	1.00E-03	6.0E+00		5.2E+00	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-02	6.0E+02		1.0E+01	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	Vinyl Chloride	75-01-4	T		U	1.00E-03	2.0E-03		1.9E-04	
MW-16	MW-16_05/13/20	N	05/13/20	VOC	Xylenes (total)	1330-20-7	T		U	5.00E-03	1.0E+01		1.9E-01	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Acenaphthene	83-32-9	T		U	5.00E-04	1.2E+00		5.3E-01	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Acenaphthylene	208-96-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Acetophenone	98-86-2	T		U	1.00E-02	2.0E+00		1.9E+00	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Anthracene	120-12-7	T		U	5.00E-04	6.0E+00		1.8E+00	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Atrazine	1912-24-9	T		U	5.00E-03	3.0E-03		3.0E-03	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Benzaldehyde	100-52-7	T		U	1.00E-02	1.9E-01		1.9E-01	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	5.00E-04	2.5E-03		3.0E-04	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	5.00E-04	2.0E-04		2.5E-04	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	5.00E-04	2.5E-02		2.5E-02	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-02	9.7E-02		8.3E-04	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	2.00E-03	6.0E-02		5.9E-02	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	2.00E-03	7.1E-04		1.4E-04	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.10E-02	6.0E-03		5.6E-02	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	2.00E-03				
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Butylbenzylphthalate	85-68-7	T		U	5.00E-03	4.1E-01		1.6E-01	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Caprolactam	105-60-2	T		U	1.10E-02	1.0E+01		9.9E+00	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Carbazole	86-74-8	T		U	2.00E-03	8.0E-01		2.9E-01	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	4.00E-03	2.0E+00		1.4E+00	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	4-Chloroaniline	106-47-8	T		U	1.00E-02	3.9E-03		3.7E-03	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-03	1.6E+00		7.5E-01	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	2-Chlorophenol	95-57-8	T		U	2.00E-03	1.0E-01		9.1E-02	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	2.00E-03				
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Chrysene	218-01-9	T		U	5.00E-04	2.5E-01		2.5E-01	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	5.00E-04	2.5E-04		2.5E-04	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-03	2.0E-02		7.9E-03	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.00E-02	1.7E-03		1.3E-03	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	2,4-Dichlorophenol	120-83-2	T		U	2.00E-03	6.0E-02		4.6E-02	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Diethylphthalate	84-66-2	T		U	5.00E-03	1.6E+01		1.5E+01	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.00E-02	4.0E-01		3.6E-01	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Dimethylphthalate	131-11-3	T		U	5.00E-03	1.6E+01		1.5E+01	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Di-n-butylphthalate	84-74-2	T		U	5.00E-03	2.0E+00		9.0E-01	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	2.20E-02	1.6E-03		1.5E-03	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	2,4-Dinitrophenol	51-28-5	T		U	3.10E-02	4.0E-02		3.9E-02	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.10E-02	2.0E-01		2.0E-01	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Fluoranthene	206-44-0	T		U	5.00E-04	8.0E-01		8.0E-01	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Fluorene	86-73-7	T		U	5.00E-04	8.0E-01		2.9E-01	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Hexachlorobenzene	118-74-1	T		U	5.00E-04	1.0E-03		9.8E-05	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Hexachlorobutadiene	87-68-3	T		U	2.00E-03	1.0E-02		1.4E-03	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.10E-02	5.0E-02		4.1E-04	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Hexachloroethane	67-72-1	T		U	5.00E-03	1.4E-02		3.3E-03	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Isophorone	78-59-1	T		U	2.00E-03	8.2E-01		7.8E-01	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	5.00E-04	8.0E-02		3.6E-02	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	2-Methylphenol	95-48-7	T		U	2.00E-03	1.0E+00		9.3E-01	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	4-Methylphenol	106-44-5	T		U	2.00E-03	4.0E-01		3.7E-01	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Naphthalene	91-20-3	T		U	5.00E-04	6.5E-03		1.2E-03	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	2-Nitroaniline	88-74-4	T		U	7.00E-03	2.0E-01		1.9E-01	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	3-Nitroaniline	99-09-2	T		U	7.00E-03	3.9E-02		3.8E-02	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	4-Nitroaniline	100-01-6	T		U	3.00E-03	3.9E-02		3.8E-02	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	2-Nitrophenol	88-75-5	T		U	1.00E-02				
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	4-Nitrophenol	100-02-7	T		U	3.10E-02				
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	3.00E-03	1.6E-01		1.2E-01	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	3.00E-03	1.1E-04		1.1E-04	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	2.00E-03	8.0E-01		7.1E-01	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Pentachlorophenol	87-86-5	T		U	5.00E-03	1.0E-03		4.1E-04	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Phenanthrene	85-01-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Pyrene	108-95-2	T		U	2.00E-03	6.0E+00		5.8E+00	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	2.00E-03	2.0E+00		1.2E+00	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	2.00E-03	2.0E-02		1.2E-02	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	5.00E-03	2.5E-03		2.4E-03	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	2.00E-03	5.2E-04		4.9E-04	
MW-16	MW-16_05/13/20	N	05/13/20	SVOC	Nitrobenzene	98-95-3	T		U	2.00E-03	4.0E-02		1.4E-03	
MW-16	MW-16_05/13/20	N	05/13/20	INORG	Antimony	7440-36-0	T		U	5.00E-02	6.0E-03		7.8E-03	
MW-16	MW-16_05/13/20	N	05/13/20	INORG	Arsenic	7440-38-2	T		U	3.00E-02	1.0E-02		5.2E-04	
MW-16	MW-16_05/13/20	N	05/13/20	INORG	Barium	7440-39-3	T	3.59E-02		5.00E-03	2.0E+00	1.8E-02	3.8E+00	9.4E-03
MW-16	MW-16_05/13/20	N	05/13/20	INORG	Beryllium	7440-41-7	T		U	5.00E-03	4.0E-03		2.5E-02	
MW-16	MW-16_05/13/20	N	05/13/20	INORG	Cadmium	7440-43-9	T		U	5.00E-03	5.0E-03		1.8E-03	
MW-16	MW-16_05/13/20	N	05/13/20	INORG	Chromium (total)	7440-47-3	T		U	1.50E-02	1.0E-01		2.2E+01	
MW-16	MW-16_05/13/20	N	05/13/20	INORG	Cobalt	7440-48-4	T		U	5.00E-03	6.0E-03		6.0E-03	
MW-16	MW-16_05/13/20	N	05/13/20	INORG	Copper	7440-50-8	T		U	2.00E-02	1.3E+00		8.0E-01	
MW-16	MW-16_05/13/20	N	05/13/20	INORG	Lead	7439-92-1	T		U	1.50E-02	1.5E-02		1.5E-02	
MW-16	MW-16_05/13/20	N	05/13/20	INORG	Mercury	7439-97-6	T		U	2.00E-04	2.0E-03		5.7E-04	
MW-16	MW-16_05/13/20	N	05/13/20	INORG	Molybdenum	7439-98-7	T		U	1.00E-02	1.0E-01		1.0E-01	
MW-16	MW-16_05/13/20	N	05/13/20	INORG	Nickel	7440-02-0	T	2.90E-03	J	1.00E-02	4.0E-01	7.3E-03	3.9E-01	7.4E-03
MW-16	MW-16_05/13/20	N	05/13/20	INORG	Selenium	7782-49-2	T		U	5.00E-02	5.0E-02		1.0E-01	
MW-16	MW-16_05/13/20	N	05/13/20	INORG	Silver	7440-22-4	T		U	1.00E-02	1.0E-01		9.4E-02	
MW-16	MW-16_05/13/20	N	05/13/20	INORG	Thallium	7440-28-0	T		U	3.00E-02	2.0E-03		2.0E-04	
MW-16	MW-16_05/13/20	N	05/13/20	INORG	Vanadium	7440-62-2	T		U	1.00E-02	1.0E-01		8.6E-02	
MW-16	MW-16_05/13/20	N	05/13/20	INORG	Zinc	7440-66-6	T		U	2.00E-02	6.0E+00		6.0E+00	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Acetone	67-64-1	T		U	5.00E-02	1.8E+01		1.8E+01	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Acrylonitrile	107-13-1	T		U	5.00E-03	1.4E-03		5.2E-04	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Bromobenzene	108-86-1	T		U	1.00E-03	1.6E-01		6.2E-02	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Bromochloromethane	74-97-5	T		U	1.00E-03			8.3E-02	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Bromodichloromethane	75-27-4	T		U	5.00E-04	8.0E-02		1.3E-03	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Bromoform	75-25-2	T		U	1.00E-03	8.0E-02		3.3E-02	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Bromomethane	74-83-9	T		U	2.00E-03	2.8E-02		7.5E-03	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	2-Butanone	78-93-3	T		U	2.00E-02	1.2E+01		5.6E+00	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	n-Butylbenzene	104-51-8	T		U	1.00E-03	1.0E+00		1.0E+00	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	sec-Butylbenzene	135-98-8	T		U	1.00E-03	2.0E+00		2.0E+00	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	tert-Butylbenzene	98-06-6	T		U	1.00E-03	2.0E+00		6.9E-01	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Carbon Tetrachloride	56-23-5	T		U	5.00E-03	5.0E-03		4.6E-03	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Chloroethane	75-00-3	T		U	2.00E-03			8.3E+00	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Chloroform	67-66-3	T		U	2.00E-03	8.0E-02		2.2E-03	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Chloromethane	74-87-3	T		U	2.00E-03			1.9E-01	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	2-Chlorotoluene	95-49-8	T		U	1.00E-03	4.0E-01		2.4E-01	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	4-Chlorotoluene	106-43-4	T		U	1.00E-03	4.0E-01		2.5E-01	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Cumene	98-82-8	T		U	1.00E-03	2.0E+00		4.5E-01	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	p-Cymene	99-87-6	T		U	1.00E-03				
MW-201	HRP-MW201-211025	N	10/25/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Dibromochloromethane	124-48-1	T		U	5.00E-04	8.0E-02		8.7E-03	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-201	HRP-MW201-211025	N	10/25/21	VOC	1,2-Dibromoethane	106-93-4	T		U	5.00E-04	5.0E-05		7.5E-05	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Dibromomethane	74-95-3	T		U	1.00E-03			8.3E-03	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6	T		U	2.00E-03			1.3E-05	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	1,2-Dichlorobenzene	95-50-1	T		U	1.00E-03	6.0E-01		3.0E-01	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	1,3-Dichlorobenzene	541-73-1	T		U	1.00E-03	1.4E-01		4.8E-03	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	1,4-Dichlorobenzene	106-46-7	T		U	1.00E-03	7.5E-02		4.8E-03	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Dichlorodifluoromethane	75-71-8	T		U	2.00E-03	4.0E+00		2.0E-01	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	1,2-Dichloroethane	107-06-2	T		U	1.00E-03	5.0E-03		1.7E-03	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	1,3-Dichloropropane	142-28-9	T		U	5.00E-04	4.0E-01		3.7E-01	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	2,2-Dichloropropane	594-20-7	T		U	1.00E-03				
MW-201	HRP-MW201-211025	N	10/25/21	VOC	1,1-Dichloropropene	563-58-6	T		U	2.00E-03				
MW-201	HRP-MW201-211025	N	10/25/21	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	5.00E-04	7.8E-03		4.7E-03	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	1,4-Dioxane	123-91-1	T		U	5.00E-02	7.8E-03		4.6E-03	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Ethanol	64-17-5	T		U	1.00E+01				
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Ethyl tert-butyl ether	637-92-3	T		U	5.00E-04	2.0E+01		7.0E-01	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Diethyl ether	60-29-7	T		U	2.00E-03	4.0E+00		3.9E+00	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Isopropanol	67-63-0	T		U	1.00E+01	4.0E+01		4.1E-01	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Methanol	67-56-1	T		U	1.00E+01	4.0E+01		2.0E+01	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Methyl Acetate	79-20-9	T		U	1.00E-03	2.0E+01		2.0E+01	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Methylcyclohexane	108-87-2	T		U	1.00E-03			1.3E+01	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Methylene Chloride	75-09-2	T		U	5.00E-03	5.0E-03		1.1E-01	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Diisopropyl ether	108-20-3	T		U	5.00E-04			1.5E+00	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	n-Propylbenzene	103-65-1	T		U	1.00E-03	2.0E+00		6.6E-01	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Styrene	100-42-5	T		U	1.00E-03	1.0E-01		1.2E+00	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	tert-Butyl alcohol	75-65-0	T		U	2.00E-02	1.6E+00		1.5E+00	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6	T		U	1.00E-03	3.0E-02		5.7E-03	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	5.00E-04	3.9E-03		7.6E-04	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Tetrachloroethene	127-18-4	T	8.80E-04	J	1.00E-03	5.0E-03	1.8E-01	4.1E-02	2.1E-02
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Tetrahydrofuran	109-99-9	T		U	1.00E-02	1.8E+01		3.4E+00	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Toluene	108-88-3	T	8.50E-04	J	1.00E-03	1.0E+00	8.5E-04	1.1E+00	7.7E-04
MW-201	HRP-MW201-211025	N	10/25/21	VOC	1,2,3-Trichlorobenzene	87-61-6	T		U	5.00E-03	1.6E-02		7.0E-03	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	1.00E-03	7.0E-02		4.0E-03	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	1,3,5-Trichlorobenzene	108-70-3	T		U	1.00E-03				
MW-201	HRP-MW201-211025	N	10/25/21	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Trichlorofluoromethane	75-69-4	T		U	2.00E-03	6.0E+00		5.2E+00	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	1,2,3-Trichloropropane	96-18-4	T		U	2.00E-03	8.4E-06		7.5E-06	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-03	6.0E+02		1.0E+01	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	1,2,4-Trimethylbenzene	95-63-6	T		U	1.00E-03	2.0E-01		5.6E-02	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	1,3,5-Trimethylbenzene	108-67-8	T		U	1.00E-03	2.0E-01		6.0E-02	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Vinyl Chloride	75-01-4	T		U	2.00E-03	2.0E-03		1.9E-04	
MW-201	HRP-MW201-211025	N	10/25/21	VOC	Xylenes (total)	1330-20-7	T		U	2.00E-03	1.0E+01		1.9E-01	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Acenaphthene	83-32-9	T		U	5.10E-03	1.2E+00		5.3E-01	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Acenaphthylene	208-96-8	T		U	5.10E-03	6.0E-01		1.2E-01	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Acetophenone	98-86-2	T		U	1.00E-02	2.0E+00		1.9E+00	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	t-Amyl methyl ether	994-05-8	T		U	5.00E-04				
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Aniline	62-53-3	T		U	5.10E-03	1.4E-01		1.3E-01	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Anthracene	120-12-7	T		U	5.10E-03	6.0E+00		1.8E+00	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Benzidine	92-87-5	T		U	2.10E-02	1.1E-06		1.1E-06	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Benzo(a)anthracene	56-55-3	T		U	5.10E-03	2.5E-03		3.0E-04	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Benzo(a)pyrene	50-32-8	T		U	5.10E-03	2.0E-04		2.5E-04	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	5.10E-03	2.5E-03		2.5E-03	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	5.10E-03	6.0E-01		1.2E-01	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	5.10E-03	2.5E-02		2.5E-02	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Benzoic Acid	65-85-0	T		U	1.00E-02	8.0E+01		7.5E+01	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	1.00E-02	6.0E-02		5.9E-02	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	1.00E-02	7.1E-04		1.4E-04	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.00E-02	6.0E-03		5.6E-02	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	1.00E-02				
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Butylbenzylphthalate	85-68-7	T		U	1.00E-02	4.1E-01		1.6E-01	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Carbazole	86-74-8	T		U	1.00E-02	8.0E-01		2.9E-01	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	1.00E-02	2.0E+00		1.4E+00	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	4-Chloroaniline	106-47-8	T		U	1.00E-02	3.9E-03		3.7E-03	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-02	1.6E+00		7.5E-01	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	2-Chlorophenol	95-57-8	T		U	1.00E-02	1.0E-01		9.1E-02	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	1.00E-02				
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Chrysene	218-01-9	T		U	5.10E-03	2.5E-01		2.5E-01	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	5.10E-03	2.5E-04		2.5E-04	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Dibenzofuran	132-64-9	T		U	5.10E-03	2.0E-02		7.9E-03	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.00E-02	1.7E-03		1.3E-03	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	2,4-Dichlorophenol	120-83-2	T		U	1.00E-02	6.0E-02		4.6E-02	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Diethylphthalate	84-66-2	T		U	1.00E-02	1.6E+01		1.5E+01	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.00E-02	4.0E-01		3.6E-01	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Dimethylphthalate	131-11-3	T		U	1.00E-02	1.6E+01		1.5E+01	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Di-n-butylphthalate	84-74-2	T		U	1.00E-02	2.0E+00		9.0E-01	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	1.00E-02	1.6E-03		1.5E-03	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	2,4-Dinitrophenol	51-28-5	T		U	1.00E-02	4.0E-02		3.9E-02	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.00E-02	2.0E-01		2.0E-01	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	1,2-Diphenylhydrazine	122-66-7	T		U	1.00E-02	9.7E-04		7.8E-04	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Ethylene Glycol	107-21-1	T		U	1.00E+01	1.6E+01		1.6E+01	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Fluoranthene	206-44-0	T		U	5.10E-03	8.0E-01		8.0E-01	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Fluorene	86-73-7	T		U	5.10E-03	8.0E-01		2.9E-01	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Hexachlorobenzene	118-74-1	T		U	1.00E-02	1.0E-03		9.8E-05	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Hexachlorobutadiene	87-68-3	T		U	6.00E-04	1.0E-02		1.4E-03	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.00E-02	5.0E-02		4.1E-04	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Hexachloroethane	67-72-1	T		U	1.00E-02	1.4E-02		3.3E-03	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	5.10E-03	2.5E-03		2.5E-03	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Isophorone	78-59-1	T		U	1.00E-02	8.2E-01		7.8E-01	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	1-Methylnaphthalene	90-12-0	T		U	5.10E-03	2.7E-02		1.1E-02	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	2-Methylnaphthalene	91-57-6	T		U	5.10E-03	8.0E-02		3.6E-02	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	2-Methylphenol	95-48-7	T		U	1.00E-02	1.0E+00		9.3E-01	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	3&4-Methylphenol	65794-96-9	T		U	1.00E-02				
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Naphthalene	91-20-3	T		U	2.00E-03	6.5E-03		1.2E-03	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	2-Nitroaniline	88-74-4	T		U	1.00E-02	2.0E-01		1.9E-01	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	3-Nitroaniline	99-09-2	T		U	1.00E-02	3.9E-02		3.8E-02	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	4-Nitroaniline	100-01-6	T		U	1.00E-02	3.9E-02		3.8E-02	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	2-Nitrophenol	88-75-5	T		U	1.00E-02				
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	4-Nitrophenol	100-02-7	T		U	1.00E-02				
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	N-Nitrosodimethylamine	62-75-9	T		U	1.00E-02	4.9E-06		1.1E-06	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	1.00E-02	1.6E-01		1.2E-01	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	1.00E-02	1.1E-04		1.1E-04	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	1.00E-02	8.0E-01		7.1E-01	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Pentachloronitrobenzene	82-68-8	T		U	1.00E-02	3.0E-03		1.2E-03	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Pentachlorophenol	87-86-5	T		U	1.00E-02	1.0E-03		4.1E-04	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Phenanthrene	85-01-8	T		U	5.10E-03	6.0E-01		1.2E-01	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Phenol	108-95-2	T		U	1.00E-02	6.0E+00		5.8E+00	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Propylene glycol	57-55-6	T		U	1.00E+01	4.0E+02		4.0E+02	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Pyrene	129-00-0	T		U	5.10E-03	6.0E-01		1.2E-01	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Pyridine	110-86-1	T		U	5.10E-03	2.0E-02		2.0E-02	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3	T		U	1.00E-02	6.0E-04		1.7E-04	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	1.00E-02	2.0E+00		1.2E+00	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	1.00E-02	2.0E-02		1.2E-02	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	1.00E-02	2.5E-03		2.4E-03	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	1.00E-02	5.2E-04		4.9E-04	
MW-201	HRP-MW201-211025	N	10/25/21	SVOC	Nitrobenzene	98-95-3	T		U	1.00E-02	4.0E-02		1.4E-03	
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Aluminum	7429-90-5	D	1.10E-01		5.00E-02	2.0E+01	5.5E-03	2.0E+01	5.5E-03
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Aluminum	7429-90-5	T	2.40E-01		5.00E-02	2.0E+01	1.2E-02	2.0E+01	1.2E-02
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Antimony	7440-36-0	D		U	1.00E-03	6.0E-03		7.8E-03	
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Antimony	7440-36-0	T		U	1.00E-03	6.0E-03		7.8E-03	
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Arsenic	7440-38-2	D	7.70E-04	J	8.00E-04	1.0E-02	7.7E-02	5.2E-04	1.5E+00
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Arsenic	7440-38-2	T	6.50E-04	J	8.00E-04	1.0E-02	6.5E-02	5.2E-04	1.3E+00
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Barium	7440-39-3	D	2.30E-02		1.00E-02	2.0E+00	1.2E-02	3.8E+00	6.1E-03



**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Barium	7440-39-3	T	2.50E-02		1.00E-02	2.0E+00	1.3E-02	3.8E+00	6.6E-03
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Beryllium	7440-41-7	D	1.10E-04	J	4.00E-04	4.0E-03	2.8E-02	2.5E-02	4.4E-03
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Beryllium	7440-41-7	T	9.10E-05	J	4.00E-04	4.0E-03	2.3E-02	2.5E-02	3.6E-03
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Cadmium	7440-43-9	D	2.20E-04		2.00E-04	5.0E-03	4.4E-02	1.8E-03	1.2E-01
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Cadmium	7440-43-9	T	2.00E-04		2.00E-04	5.0E-03	4.0E-02	1.8E-03	1.1E-01
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Chromium (total)	7440-47-3	D		U	1.00E-03	1.0E-01		2.2E+01	
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Chromium (total)	7440-47-3	T		U	1.00E-03	1.0E-01		2.2E+01	
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Cobalt	7440-48-4	D	7.20E-03		1.00E-03	6.0E-03	1.2E+00	6.0E-03	1.2E+00
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Cobalt	7440-48-4	T	7.70E-03		1.00E-03	6.0E-03	1.3E+00	6.0E-03	1.3E+00
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Copper	7440-50-8	D	1.70E-03		1.00E-03	1.3E+00	1.3E-03	8.0E-01	2.1E-03
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Copper	7440-50-8	T	1.20E-03		1.00E-03	1.3E+00	9.2E-04	8.0E-01	1.5E-03
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Iron	7439-89-6	D		U	5.00E-02	1.4E+01		1.4E+01	
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Iron	7439-89-6	T	1.60E-01		5.00E-02	1.4E+01	1.1E-02	1.4E+01	1.1E-02
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Lead	7439-92-1	D		U	5.00E-04	1.5E-02		1.5E-02	
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Lead	7439-92-1	T	1.60E-04	J	5.00E-04	1.5E-02	1.1E-02	1.5E-02	1.1E-02
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Manganese	7439-96-5	D	3.40E-01		1.00E-03	4.8E-01	7.1E-01	4.3E-01	7.9E-01
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Manganese	7439-96-5	T	3.30E-01		1.00E-03	4.8E-01	6.9E-01	4.3E-01	7.7E-01
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Mercury	7439-97-6	D		U	1.00E-04	2.0E-03		5.7E-04	
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Mercury	7439-97-6	T		U	1.00E-04	2.0E-03		5.7E-04	
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Nickel	7440-02-0	D	5.50E-03	B	5.00E-03	4.0E-01	1.4E-02	3.9E-01	1.4E-02
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Nickel	7440-02-0	T	6.20E-03		5.00E-03	4.0E-01	1.6E-02	3.9E-01	1.6E-02
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Selenium	7782-49-2	D	6.10E-03		5.00E-03	5.0E-02	1.2E-01	1.0E-01	6.1E-02
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Selenium	7782-49-2	T	5.70E-03		5.00E-03	5.0E-02	1.1E-01	1.0E-01	5.7E-02
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Silver	7440-22-4	D		U	2.00E-04	1.0E-01		9.4E-02	
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Silver	7440-22-4	T		U	2.00E-04	1.0E-01		9.4E-02	
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Thallium	7440-28-0	D		U	2.00E-04	2.0E-03		2.0E-04	
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Thallium	7440-28-0	T		U	2.00E-04	2.0E-03		2.0E-04	
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Vanadium	7440-62-2	D		U	5.00E-03	1.0E-01		8.6E-02	
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Vanadium	7440-62-2	T		U	5.00E-03	1.0E-01		8.6E-02	
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Zinc	7440-66-6	D	7.90E-03	J	1.00E-02	6.0E+00	1.3E-03	6.0E+00	1.3E-03
MW-201	HRP-MW201-211025	N	10/25/21	INORG	Zinc	7440-66-6	T	8.60E-03	J	1.00E-02	6.0E+00	1.4E-03	6.0E+00	1.4E-03
MW-201	HRP-MW201-211102	N	11/02/21	VOC	Acetone	67-64-1	T		U	5.10E-03	1.8E+01		1.8E+01	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	Benzene	71-43-2	T		U	3.40E-04	5.0E-03		4.6E-03	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	Bromobenzene	108-86-1	T		U	2.90E-04	1.6E-01		6.2E-02	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	Bromochloromethane	74-97-5	T		U	4.70E-04			8.3E-02	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	Bromodichloromethane	75-27-4	T		U	3.10E-04	8.0E-02		1.3E-03	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	Bromoform	75-25-2	T		U	3.40E-04	8.0E-02		3.3E-02	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	Bromomethane	74-83-9	T		U	1.70E-03	2.8E-02		7.5E-03	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	2-Butanone	78-93-3	T		U	4.00E-03	1.2E+01		5.6E+00	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	Carbon Tetrachloride	56-23-5	T		U	3.30E-04	5.0E-03		4.6E-03	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	Chlorobenzene	108-90-7	T		U	2.80E-04	1.0E-01		7.8E-02	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	Chloroethane	75-00-3	T		U	6.50E-04			8.3E+00	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	Chloroform	67-66-3	T		U	4.30E-04	8.0E-02		2.2E-03	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	Chloromethane	74-87-3	T		U	5.40E-04			1.9E-01	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-201	HRP-MW201-211102	N	11/02/21	VOC	2-Chlorotoluene	95-49-8	T		U	3.20E-04	4.0E-01		2.4E-01	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	4-Chlorotoluene	106-43-4	T		U	3.20E-04	4.0E-01		2.5E-01	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	p-Cymene	99-87-6	T		U	4.10E-04				
MW-201	HRP-MW201-211102	N	11/02/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	3.40E-04	2.0E-04		3.3E-06	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	Dibromochloromethane	124-48-1	T		U	3.60E-04	8.0E-02		8.7E-03	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	1,2-Dibromoethane	106-93-4	T		U	2.70E-04	5.0E-05		7.5E-05	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	Dibromomethane	74-95-3	T		U	3.90E-04			8.3E-03	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	1,2-Dichlorobenzene	95-50-1	T		U	3.40E-04	6.0E-01		3.0E-01	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	1,3-Dichlorobenzene	541-73-1	T		U	3.40E-04	1.4E-01		4.8E-03	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	1,4-Dichlorobenzene	106-46-7	T		U	3.30E-04	7.5E-02		4.8E-03	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	Dichlorodifluoromethane	75-71-8	T		U	3.50E-04	4.0E+00		2.0E-01	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	1,1-Dichloroethane	75-34-3	T		U	3.70E-04	1.4E-01		2.8E-02	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	1,2-Dichloroethane	107-06-2	T		U	3.20E-04	5.0E-03		1.7E-03	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	1,1-Dichloroethene	75-35-4	T		U	3.50E-04	7.0E-03		2.8E-01	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	3.80E-04	7.0E-02		2.5E-02	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	4.00E-04	1.0E-01		6.8E-02	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	1,2-Dichloropropane	78-87-5	T		U	3.60E-04	5.0E-03		8.2E-03	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	1,3-Dichloropropane	142-28-9	T		U	2.80E-04	4.0E-01		3.7E-01	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	2,2-Dichloropropane	594-20-7	T		U	3.90E-04				
MW-201	HRP-MW201-211102	N	11/02/21	VOC	1,1-Dichloropropene	563-58-6	T		U	4.30E-04				
MW-201	HRP-MW201-211102	N	11/02/21	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	3.60E-04	7.8E-03		4.7E-03	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	Ethyl Benzene	100-41-4	T		U	3.00E-04	7.0E-01		1.5E-02	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	2-Hexanone	591-78-6	T		U	4.80E-04	1.0E-01		3.8E-02	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	4.20E-04	4.3E-01		1.4E-01	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	4-Methyl-2-pentanone	108-10-1	T		U	2.70E-03			6.3E+00	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	Methylene Chloride	75-09-2	T		U	2.00E-03	5.0E-03		1.1E-01	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	Diisopropyl ether	108-20-3	T		U	3.10E-04			1.5E+00	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	Styrene	100-42-5	T		U	2.90E-04	1.0E-01		1.2E+00	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6	T		U	3.10E-04	3.0E-02		5.7E-03	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	2.20E-04	3.9E-03		7.6E-04	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	Tetrachloroethene	127-18-4	T		U	2.90E-04	5.0E-03		4.1E-02	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	Toluene	108-88-3	T		U	4.80E-04	1.0E+00		1.1E+00	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	1,2,3-Trichlorobenzene	87-61-6	T		U	8.10E-04	1.6E-02		7.0E-03	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	6.40E-04	7.0E-02		4.0E-03	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	1,1,1-Trichloroethane	71-55-6	T		U	3.30E-04	2.0E-01		8.0E+00	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	1,1,2-Trichloroethane	79-00-5	T		U	3.20E-04	5.0E-03		4.1E-04	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	Trichloroethene	79-01-6	T		U	3.80E-04	5.0E-03		2.8E-03	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	Trichlorofluoromethane	75-69-4	T		U	3.00E-04	6.0E+00		5.2E+00	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	1,2,3-Trichloropropane	96-18-4	T		U	2.60E-04	8.4E-06		7.5E-06	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	Vinyl Acetate	108-05-4	T		U	1.30E-03	2.0E+01		4.1E-01	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	Vinyl Chloride	75-01-4	T		U	3.90E-04	2.0E-03		1.9E-04	
MW-201	HRP-MW201-211102	N	11/02/21	VOC	Xylenes (total)	1330-20-7	T		U	7.10E-04	1.0E+01		1.9E-01	
MW-201	HRP-MW201-211102	N	11/02/21	SVOC	Hexachlorobutadiene	87-68-3	T		U	1.50E-03	1.0E-02		1.4E-03	
MW-201	HRP-MW201-211102	N	11/02/21	SVOC	Naphthalene	91-20-3	T		U	6.40E-04	6.5E-03		1.2E-03	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-201	HRP-MW201-211102	N	11/02/21	INORG	Aluminum	7429-90-5	T	2.45E-01		7.20E-02	2.0E+01	1.2E-02	2.0E+01	1.2E-02
MW-201	HRP-MW201-211102	N	11/02/21	INORG	Antimony	7440-36-0	T		U	3.00E-03	6.0E-03		7.8E-03	
MW-201	HRP-MW201-211102	N	11/02/21	INORG	Arsenic	7440-38-2	T		U	4.70E-03	1.0E-02		5.2E-04	
MW-201	HRP-MW201-211102	N	11/02/21	INORG	Barium	7440-39-3	T	2.73E-02		3.50E-03	2.0E+00	1.4E-02	3.8E+00	7.2E-03
MW-201	HRP-MW201-211102	N	11/02/21	INORG	Beryllium	7440-41-7	T		U	7.00E-04	4.0E-03		2.5E-02	
MW-201	HRP-MW201-211102	N	11/02/21	INORG	Cadmium	7440-43-9	T		U	4.00E-04	5.0E-03		1.8E-03	
MW-201	HRP-MW201-211102	N	11/02/21	INORG	Chromium (total)	7440-47-3	T		U	3.70E-03	1.0E-01		2.2E+01	
MW-201	HRP-MW201-211102	N	11/02/21	INORG	Cobalt	7440-48-4	T	6.20E-03		3.60E-03	6.0E-03	1.0E+00	6.0E-03	1.0E+00
MW-201	HRP-MW201-211102	N	11/02/21	INORG	Copper	7440-50-8	T		U	4.30E-03	1.3E+00		8.0E-01	
MW-201	HRP-MW201-211102	N	11/02/21	INORG	Iron	7439-89-6	T	2.21E-01		4.15E-02	1.4E+01	1.6E-02	1.4E+01	1.6E-02
MW-201	HRP-MW201-211102	N	11/02/21	INORG	Lead	7439-92-1	T		U	4.50E-03	1.5E-02		1.5E-02	
MW-201	HRP-MW201-211102	N	11/02/21	INORG	Manganese	7439-96-5	T	3.34E-01		3.40E-03	4.8E-01	7.0E-01	4.3E-01	7.8E-01
MW-201	HRP-MW201-211102	N	11/02/21	INORG	Mercury	7439-97-6	T		U	1.20E-04	2.0E-03		5.7E-04	
MW-201	HRP-MW201-211102	N	11/02/21	INORG	Molybdenum	7439-98-7	T		U	3.90E-03	1.0E-01		1.0E-01	
MW-201	HRP-MW201-211102	N	11/02/21	INORG	Nickel	7440-02-0	T	5.60E-03		3.50E-03	4.0E-01	1.4E-02	3.9E-01	1.4E-02
MW-201	HRP-MW201-211102	N	11/02/21	INORG	Selenium	7782-49-2	T		U	4.70E-03	5.0E-02		1.0E-01	
MW-201	HRP-MW201-211102	N	11/02/21	INORG	Silver	7440-22-4	T		U	2.50E-03	1.0E-01		9.4E-02	
MW-201	HRP-MW201-211102	N	11/02/21	INORG	Thallium	7440-28-0	T		U	8.10E-03	2.0E-03		2.0E-04	
MW-201	HRP-MW201-211102	N	11/02/21	INORG	Vanadium	7440-62-2	T		U	3.90E-03	1.0E-01		8.6E-02	
MW-201	HRP-MW201-211102	N	11/02/21	INORG	Zinc	7440-66-6	T		U	9.50E-03	6.0E+00		6.0E+00	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Acetone	67-64-1	T		U	5.00E-02	1.8E+01		1.8E+01	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Acetone	67-64-1	T		U	5.00E-02	1.8E+01		1.8E+01	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Acrylonitrile	107-13-1	T		U	5.00E-03	1.4E-03		5.2E-04	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Acrylonitrile	107-13-1	T		U	5.00E-03	1.4E-03		5.2E-04	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Bromobenzene	108-86-1	T		U	1.00E-03	1.6E-01		6.2E-02	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Bromobenzene	108-86-1	T		U	1.00E-03	1.6E-01		6.2E-02	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Bromochloromethane	74-97-5	T		U	1.00E-03			8.3E-02	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Bromochloromethane	74-97-5	T		U	1.00E-03			8.3E-02	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Bromodichloromethane	75-27-4	T		U	5.00E-04	8.0E-02		1.3E-03	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Bromodichloromethane	75-27-4	T		U	5.00E-04	8.0E-02		1.3E-03	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Bromoform	75-25-2	T		U	1.00E-03	8.0E-02		3.3E-02	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Bromoform	75-25-2	T		U	1.00E-03	8.0E-02		3.3E-02	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Bromomethane	74-83-9	T		U	2.00E-03	2.8E-02		7.5E-03	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Bromomethane	74-83-9	T		U	2.00E-03	2.8E-02		7.5E-03	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	2-Butanone	78-93-3	T		U	2.00E-02	1.2E+01		5.6E+00	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	2-Butanone	78-93-3	T		U	2.00E-02	1.2E+01		5.6E+00	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	n-Butylbenzene	104-51-8	T		U	1.00E-03	1.0E+00		1.0E+00	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	n-Butylbenzene	104-51-8	T		U	1.00E-03	1.0E+00		1.0E+00	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	sec-Butylbenzene	135-98-8	T		U	1.00E-03	2.0E+00		2.0E+00	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	sec-Butylbenzene	135-98-8	T		U	1.00E-03	2.0E+00		2.0E+00	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	tert-Butylbenzene	98-06-6	T		U	1.00E-03	2.0E+00		6.9E-01	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	tert-Butylbenzene	98-06-6	T		U	1.00E-03	2.0E+00		6.9E-01	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Carbon Tetrachloride	56-23-5	T		U	5.00E-03	5.0E-03		4.6E-03	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Carbon Tetrachloride	56-23-5	T		U	5.00E-03	5.0E-03		4.6E-03	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Chloroethane	75-00-3	T		U	2.00E-03			8.3E+00	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Chloroethane	75-00-3	T		U	2.00E-03			8.3E+00	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Chloroform	67-66-3	T		U	2.00E-03	8.0E-02		2.2E-03	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Chloroform	67-66-3	T		U	2.00E-03	8.0E-02		2.2E-03	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Chloromethane	74-87-3	T		U	2.00E-03			1.9E-01	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Chloromethane	74-87-3	T		U	2.00E-03			1.9E-01	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	2-Chlorotoluene	95-49-8	T		U	1.00E-03	4.0E-01		2.4E-01	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	2-Chlorotoluene	95-49-8	T		U	1.00E-03	4.0E-01		2.4E-01	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	4-Chlorotoluene	106-43-4	T		U	1.00E-03	4.0E-01		2.5E-01	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	4-Chlorotoluene	106-43-4	T		U	1.00E-03	4.0E-01		2.5E-01	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Cumene	98-82-8	T		U	1.00E-03	2.0E+00		4.5E-01	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Cumene	98-82-8	T		U	1.00E-03	2.0E+00		4.5E-01	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	p-Cymene	99-87-6	T	5.40E-03		1.00E-03				
MW-202	HRP-MW202-211026	N	10/26/21	VOC	p-Cymene	99-87-6	T	5.10E-03		1.00E-03				
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Dibromochloromethane	124-48-1	T		U	5.00E-04	8.0E-02		8.7E-03	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Dibromochloromethane	124-48-1	T		U	5.00E-04	8.0E-02		8.7E-03	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	1,2-Dibromoethane	106-93-4	T		U	5.00E-04	5.0E-05		7.5E-05	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	1,2-Dibromoethane	106-93-4	T		U	5.00E-04	5.0E-05		7.5E-05	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Dibromomethane	74-95-3	T		U	1.00E-03			8.3E-03	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Dibromomethane	74-95-3	T		U	1.00E-03			8.3E-03	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6	T		U	2.00E-03			1.3E-05	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6	T		U	2.00E-03			1.3E-05	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	1,2-Dichlorobenzene	95-50-1	T		U	1.00E-03	6.0E-01		3.0E-01	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	1,2-Dichlorobenzene	95-50-1	T		U	1.00E-03	6.0E-01		3.0E-01	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	1,3-Dichlorobenzene	541-73-1	T		U	1.00E-03	1.4E-01		4.8E-03	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	1,3-Dichlorobenzene	541-73-1	T		U	1.00E-03	1.4E-01		4.8E-03	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	1,4-Dichlorobenzene	106-46-7	T		U	1.00E-03	7.5E-02		4.8E-03	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	1,4-Dichlorobenzene	106-46-7	T		U	1.00E-03	7.5E-02		4.8E-03	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Dichlorodifluoromethane	75-71-8	T		U	2.00E-03	4.0E+00		2.0E-01	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Dichlorodifluoromethane	75-71-8	T		U	2.00E-03	4.0E+00		2.0E-01	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	1,2-Dichloroethane	107-06-2	T		U	1.00E-03	5.0E-03		1.7E-03	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	1,2-Dichloroethane	107-06-2	T		U	1.00E-03	5.0E-03		1.7E-03	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	1,3-Dichloropropane	142-28-9	T		U	5.00E-04	4.0E-01		3.7E-01	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	1,3-Dichloropropane	142-28-9	T		U	5.00E-04	4.0E-01		3.7E-01	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	2,2-Dichloropropane	594-20-7	T		U	1.00E-03				
MW-202	HRP-MW202-211026	N	10/26/21	VOC	2,2-Dichloropropane	594-20-7	T		U	1.00E-03				
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	1,1-Dichloropropene	563-58-6	T		U	2.00E-03				
MW-202	HRP-MW202-211026	N	10/26/21	VOC	1,1-Dichloropropene	563-58-6	T		U	2.00E-03				
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	5.00E-04	7.8E-03		4.7E-03	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	5.00E-04	7.8E-03		4.7E-03	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	1,4-Dioxane	123-91-1	T		U	5.00E-02	7.8E-03		4.6E-03	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	1,4-Dioxane	123-91-1	T		U	5.00E-02	7.8E-03		4.6E-03	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Ethanol	64-17-5	T		U	1.00E+01				
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Ethanol	64-17-5	T		U	1.00E+01				
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Ethyl tert-butyl ether	637-92-3	T		U	5.00E-04	2.0E+01		7.0E-01	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Ethyl tert-butyl ether	637-92-3	T		U	5.00E-04	2.0E+01		7.0E-01	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Diethyl ether	60-29-7	T		U	2.00E-03	4.0E+00		3.9E+00	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Diethyl ether	60-29-7	T		U	2.00E-03	4.0E+00		3.9E+00	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Isopropanol	67-63-0	T		U	1.00E+01	4.0E+01		4.1E-01	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Isopropanol	67-63-0	T		U	1.00E+01	4.0E+01		4.1E-01	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Methanol	67-56-1	T		U	1.00E+01	4.0E+01		2.0E+01	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Methanol	67-56-1	T		U	1.00E+01	4.0E+01		2.0E+01	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Methyl Acetate	79-20-9	T		U	1.00E-03	2.0E+01		2.0E+01	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Methyl Acetate	79-20-9	T		U	1.00E-03	2.0E+01		2.0E+01	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Methylcyclohexane	108-87-2	T		U	1.00E-03			1.3E+01	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Methylcyclohexane	108-87-2	T		U	1.00E-03			1.3E+01	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Methylene Chloride	75-09-2	T		U	5.00E-03	5.0E-03		1.1E-01	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Methylene Chloride	75-09-2	T		U	5.00E-03	5.0E-03		1.1E-01	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Diisopropyl ether	108-20-3	T		U	5.00E-04			1.5E+00	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Diisopropyl ether	108-20-3	T		U	5.00E-04			1.5E+00	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	n-Propylbenzene	103-65-1	T		U	1.00E-03	2.0E+00		6.6E-01	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	n-Propylbenzene	103-65-1	T		U	1.00E-03	2.0E+00		6.6E-01	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Styrene	100-42-5	T		U	1.00E-03	1.0E-01		1.2E+00	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Styrene	100-42-5	T		U	1.00E-03	1.0E-01		1.2E+00	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	tert-Butyl alcohol	75-65-0	T		U	2.00E-02	1.6E+00		1.5E+00	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	tert-Butyl alcohol	75-65-0	T		U	2.00E-02	1.6E+00		1.5E+00	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6	T		U	1.00E-03	3.0E-02		5.7E-03	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6	T		U	1.00E-03	3.0E-02		5.7E-03	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	5.00E-04	3.9E-03		7.6E-04	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	5.00E-04	3.9E-03		7.6E-04	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Tetrachloroethene	127-18-4	T		U	1.00E-03	5.0E-03		4.1E-02	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Tetrachloroethene	127-18-4	T		U	1.00E-03	5.0E-03		4.1E-02	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Tetrahydrofuran	109-99-9	T		U	1.00E-02	1.8E+01		3.4E+00	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Tetrahydrofuran	109-99-9	T		U	1.00E-02	1.8E+01		3.4E+00	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	1,2,3-Trichlorobenzene	87-61-6	T		U	5.00E-03	1.6E-02		7.0E-03	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	1,2,3-Trichlorobenzene	87-61-6	T		U	5.00E-03	1.6E-02		7.0E-03	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	1.00E-03	7.0E-02		4.0E-03	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	1.00E-03	7.0E-02		4.0E-03	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	1,3,5-Trichlorobenzene	108-70-3	T		U	1.00E-03				
MW-202	HRP-MW202-211026	N	10/26/21	VOC	1,3,5-Trichlorobenzene	108-70-3	T		U	1.00E-03				
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Trichlorofluoromethane	75-69-4	T		U	2.00E-03	6.0E+00		5.2E+00	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Trichlorofluoromethane	75-69-4	T		U	2.00E-03	6.0E+00		5.2E+00	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	1,2,3-Trichloropropane	96-18-4	T		U	2.00E-03	8.4E-06		7.5E-06	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	1,2,3-Trichloropropane	96-18-4	T		U	2.00E-03	8.4E-06		7.5E-06	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-03	6.0E+02		1.0E+01	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-03	6.0E+02		1.0E+01	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	1,2,4-Trimethylbenzene	95-63-6	T		U	1.00E-03	2.0E-01		5.6E-02	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	1,2,4-Trimethylbenzene	95-63-6	T		U	1.00E-03	2.0E-01		5.6E-02	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	1,3,5-Trimethylbenzene	108-67-8	T		U	1.00E-03	2.0E-01		6.0E-02	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	1,3,5-Trimethylbenzene	108-67-8	T		U	1.00E-03	2.0E-01		6.0E-02	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Vinyl Chloride	75-01-4	T		U	2.00E-03	2.0E-03		1.9E-04	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Vinyl Chloride	75-01-4	T		U	2.00E-03	2.0E-03		1.9E-04	
MW-202	HRP-DUP05-211026	FD	10/26/21	VOC	Xylenes (total)	1330-20-7	T		U	2.00E-03	1.0E+01		1.9E-01	
MW-202	HRP-MW202-211026	N	10/26/21	VOC	Xylenes (total)	1330-20-7	T		U	2.00E-03	1.0E+01		1.9E-01	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Acenaphthene	83-32-9	T		U	4.80E-03	1.2E+00		5.3E-01	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Acenaphthene	83-32-9	T		U	5.30E-03	1.2E+00		5.3E-01	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Acenaphthylene	208-96-8	T		U	4.80E-03	6.0E-01		1.2E-01	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Acenaphthylene	208-96-8	T		U	5.30E-03	6.0E-01		1.2E-01	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Acetophenone	98-86-2	T		U	9.60E-03	2.0E+00		1.9E+00	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Acetophenone	98-86-2	T		U	1.10E-02	2.0E+00		1.9E+00	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	t-Amyl methyl ether	994-05-8	T		U	5.00E-04				
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	t-Amyl methyl ether	994-05-8	T		U	5.00E-04				
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Aniline	62-53-3	T		U	4.80E-03	1.4E-01		1.3E-01	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Aniline	62-53-3	T		U	5.30E-03	1.4E-01		1.3E-01	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Anthracene	120-12-7	T		U	4.80E-03	6.0E+00		1.8E+00	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Anthracene	120-12-7	T		U	5.30E-03	6.0E+00		1.8E+00	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Benzidine	92-87-5	T		U	1.90E-02	1.1E-06		1.1E-06	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Benzidine	92-87-5	T		U	2.10E-02	1.1E-06		1.1E-06	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Benzo(a)anthracene	56-55-3	T		U	4.80E-03	2.5E-03		3.0E-04	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Benzo(a)anthracene	56-55-3	T		U	5.30E-03	2.5E-03		3.0E-04	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Benzo(a)pyrene	50-32-8	T		U	4.80E-03	2.0E-04		2.5E-04	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Benzo(a)pyrene	50-32-8	T		U	5.30E-03	2.0E-04		2.5E-04	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	4.80E-03	2.5E-03		2.5E-03	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	5.30E-03	2.5E-03		2.5E-03	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	4.80E-03	6.0E-01		1.2E-01	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	5.30E-03	6.0E-01		1.2E-01	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	4.80E-03	2.5E-02		2.5E-02	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	5.30E-03	2.5E-02		2.5E-02	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Benzoic Acid	65-85-0	T		U	9.60E-03	8.0E+01		7.5E+01	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Benzoic Acid	65-85-0	T		U	1.10E-02	8.0E+01		7.5E+01	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	9.60E-03	6.0E-02		5.9E-02	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	1.10E-02	6.0E-02		5.9E-02	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	9.60E-03	7.1E-04		1.4E-04	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	1.10E-02	7.1E-04		1.4E-04	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	9.60E-03	6.0E-03		5.6E-02	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.10E-02	6.0E-03		5.6E-02	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	9.60E-03				
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	1.10E-02				
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Butylbenzylphthalate	85-68-7	T		U	9.60E-03	4.1E-01		1.6E-01	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Butylbenzylphthalate	85-68-7	T		U	1.10E-02	4.1E-01		1.6E-01	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Carbazole	86-74-8	T		U	9.60E-03	8.0E-01		2.9E-01	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Carbazole	86-74-8	T		U	1.10E-02	8.0E-01		2.9E-01	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	9.60E-03	2.0E+00		1.4E+00	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	1.10E-02	2.0E+00		1.4E+00	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	4-Chloroaniline	106-47-8	T		U	9.60E-03	3.9E-03		3.7E-03	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	4-Chloroaniline	106-47-8	T		U	1.10E-02	3.9E-03		3.7E-03	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	2-Chloronaphthalene	91-58-7	T		U	9.60E-03	1.6E+00		7.5E-01	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.10E-02	1.6E+00		7.5E-01	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	2-Chlorophenol	95-57-8	T		U	9.60E-03	1.0E-01		9.1E-02	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	2-Chlorophenol	95-57-8	T		U	1.10E-02	1.0E-01		9.1E-02	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	9.60E-03				
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	1.10E-02				



**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Chrysene	218-01-9	T		U	4.80E-03	2.5E-01		2.5E-01	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Chrysene	218-01-9	T		U	5.30E-03	2.5E-01		2.5E-01	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	4.80E-03	2.5E-04		2.5E-04	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	5.30E-03	2.5E-04		2.5E-04	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Dibenzofuran	132-64-9	T		U	4.80E-03	2.0E-02		7.9E-03	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Dibenzofuran	132-64-9	T		U	5.30E-03	2.0E-02		7.9E-03	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	9.60E-03	1.7E-03		1.3E-03	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.10E-02	1.7E-03		1.3E-03	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	2,4-Dichlorophenol	120-83-2	T		U	9.60E-03	6.0E-02		4.6E-02	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	2,4-Dichlorophenol	120-83-2	T		U	1.10E-02	6.0E-02		4.6E-02	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Diethylphthalate	84-66-2	T		U	9.60E-03	1.6E+01		1.5E+01	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Diethylphthalate	84-66-2	T		U	1.10E-02	1.6E+01		1.5E+01	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	2,4-Dimethylphenol	105-67-9	T		U	9.60E-03	4.0E-01		3.6E-01	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.10E-02	4.0E-01		3.6E-01	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Dimethylphthalate	131-11-3	T		U	9.60E-03	1.6E+01		1.5E+01	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Dimethylphthalate	131-11-3	T		U	1.10E-02	1.6E+01		1.5E+01	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Di-n-butylphthalate	84-74-2	T		U	9.60E-03	2.0E+00		9.0E-01	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Di-n-butylphthalate	84-74-2	T		U	1.10E-02	2.0E+00		9.0E-01	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	9.60E-03	1.6E-03		1.5E-03	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	1.10E-02	1.6E-03		1.5E-03	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	2,4-Dinitrophenol	51-28-5	T		U	9.60E-03	4.0E-02		3.9E-02	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	2,4-Dinitrophenol	51-28-5	T		U	1.10E-02	4.0E-02		3.9E-02	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Di-n-octylphthalate	117-84-0	T		U	9.60E-03	2.0E-01		2.0E-01	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.10E-02	2.0E-01		2.0E-01	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	1,2-Diphenylhydrazine	122-66-7	T		U	9.60E-03	9.7E-04		7.8E-04	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	1,2-Diphenylhydrazine	122-66-7	T		U	1.10E-02	9.7E-04		7.8E-04	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Ethylene Glycol	107-21-1	T		U	1.00E+01	1.6E+01		1.6E+01	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Ethylene Glycol	107-21-1	T		U	1.00E+01	1.6E+01		1.6E+01	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Fluoranthene	206-44-0	T		U	4.80E-03	8.0E-01		8.0E-01	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Fluoranthene	206-44-0	T		U	5.30E-03	8.0E-01		8.0E-01	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Fluorene	86-73-7	T		U	4.80E-03	8.0E-01		2.9E-01	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Fluorene	86-73-7	T		U	5.30E-03	8.0E-01		2.9E-01	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Hexachlorobenzene	118-74-1	T		U	9.60E-03	1.0E-03		9.8E-05	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Hexachlorobenzene	118-74-1	T		U	1.10E-02	1.0E-03		9.8E-05	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Hexachlorobutadiene	87-68-3	T		U	6.00E-04	1.0E-02		1.4E-03	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Hexachlorobutadiene	87-68-3	T		U	6.00E-04	1.0E-02		1.4E-03	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	9.60E-03	5.0E-02		4.1E-04	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.10E-02	5.0E-02		4.1E-04	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Hexachloroethane	67-72-1	T		U	9.60E-03	1.4E-02		3.3E-03	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Hexachloroethane	67-72-1	T		U	1.10E-02	1.4E-02		3.3E-03	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	4.80E-03	2.5E-03		2.5E-03	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	5.30E-03	2.5E-03		2.5E-03	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Isophorone	78-59-1	T		U	9.60E-03	8.2E-01		7.8E-01	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Isophorone	78-59-1	T		U	1.10E-02	8.2E-01		7.8E-01	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	1-Methylnaphthalene	90-12-0	T		U	4.80E-03	2.7E-02		1.1E-02	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	1-Methylnaphthalene	90-12-0	T		U	5.30E-03	2.7E-02		1.1E-02	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	2-Methylnaphthalene	91-57-6	T		U	4.80E-03	8.0E-02		3.6E-02	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	2-Methylnaphthalene	91-57-6	T		U	5.30E-03	8.0E-02		3.6E-02	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	2-Methylphenol	95-48-7	T		U	9.60E-03	1.0E+00		9.3E-01	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	2-Methylphenol	95-48-7	T		U	1.10E-02	1.0E+00		9.3E-01	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	3&4-Methylphenol	65794-96-9	T	4.90E-04	J	9.60E-03				
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	3&4-Methylphenol	65794-96-9	T	8.00E-04	J	1.10E-02				
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Naphthalene	91-20-3	T		U	2.00E-03	6.5E-03		1.2E-03	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Naphthalene	91-20-3	T		U	2.00E-03	6.5E-03		1.2E-03	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	2-Nitroaniline	88-74-4	T		U	9.60E-03	2.0E-01		1.9E-01	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	2-Nitroaniline	88-74-4	T		U	1.10E-02	2.0E-01		1.9E-01	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	3-Nitroaniline	99-09-2	T		U	9.60E-03	3.9E-02		3.8E-02	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	3-Nitroaniline	99-09-2	T		U	1.10E-02	3.9E-02		3.8E-02	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	4-Nitroaniline	100-01-6	T		U	9.60E-03	3.9E-02		3.8E-02	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	4-Nitroaniline	100-01-6	T		U	1.10E-02	3.9E-02		3.8E-02	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	2-Nitrophenol	88-75-5	T		U	9.60E-03				
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	2-Nitrophenol	88-75-5	T		U	1.10E-02				
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	4-Nitrophenol	100-02-7	T		U	9.60E-03				
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	4-Nitrophenol	100-02-7	T		U	1.10E-02				
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	N-Nitrosodimethylamine	62-75-9	T		U	9.60E-03	4.9E-06		1.1E-06	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	N-Nitrosodimethylamine	62-75-9	T		U	1.10E-02	4.9E-06		1.1E-06	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	9.60E-03	1.6E-01		1.2E-01	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	1.10E-02	1.6E-01		1.2E-01	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	9.60E-03	1.1E-04		1.1E-04	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	1.10E-02	1.1E-04		1.1E-04	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	9.60E-03	8.0E-01		7.1E-01	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	1.10E-02	8.0E-01		7.1E-01	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Pentachloronitrobenzene	82-68-8	T		U	9.60E-03	3.0E-03		1.2E-03	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Pentachloronitrobenzene	82-68-8	T		U	1.10E-02	3.0E-03		1.2E-03	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Pentachlorophenol	87-86-5	T		U	9.60E-03	1.0E-03		4.1E-04	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Pentachlorophenol	87-86-5	T		U	1.10E-02	1.0E-03		4.1E-04	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Phenanthrene	85-01-8	T		U	4.80E-03	6.0E-01		1.2E-01	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Phenanthrene	85-01-8	T		U	5.30E-03	6.0E-01		1.2E-01	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Phenol	108-95-2	T		U	9.60E-03	6.0E+00		5.8E+00	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Phenol	108-95-2	T		U	1.10E-02	6.0E+00		5.8E+00	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Propylene glycol	57-55-6	T		U	1.00E+01	4.0E+02		4.0E+02	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Propylene glycol	57-55-6	T		U	1.00E+01	4.0E+02		4.0E+02	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Pyrene	129-00-0	T		U	4.80E-03	6.0E-01		1.2E-01	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Pyrene	129-00-0	T		U	5.30E-03	6.0E-01		1.2E-01	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Pyridine	110-86-1	T		U	4.80E-03	2.0E-02		2.0E-02	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Pyridine	110-86-1	T		U	5.30E-03	2.0E-02		2.0E-02	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3	T		U	9.60E-03	6.0E-04		1.7E-04	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3	T		U	1.10E-02	6.0E-04		1.7E-04	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	9.60E-03	2.0E+00		1.2E+00	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	1.10E-02	2.0E+00		1.2E+00	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	9.60E-03	2.0E-02		1.2E-02	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	1.10E-02	2.0E-02		1.2E-02	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	9.60E-03	2.5E-03		2.4E-03	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	1.10E-02	2.5E-03		2.4E-03	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	9.60E-03	5.2E-04		4.9E-04	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	1.10E-02	5.2E-04		4.9E-04	
MW-202	HRP-DUP05-211026	FD	10/26/21	SVOC	Nitrobenzene	98-95-3	T		U	9.60E-03	4.0E-02		1.4E-03	
MW-202	HRP-MW202-211026	N	10/26/21	SVOC	Nitrobenzene	98-95-3	T		U	1.10E-02	4.0E-02		1.4E-03	
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Aluminum	7429-90-5	D	2.70E-01		5.00E-02	2.0E+01	1.4E-02	2.0E+01	1.4E-02
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Aluminum	7429-90-5	T	3.00E-01		5.00E-02	2.0E+01	1.5E-02	2.0E+01	1.5E-02
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Aluminum	7429-90-5	D	2.80E-01		5.00E-02	2.0E+01	1.4E-02	2.0E+01	1.4E-02
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Aluminum	7429-90-5	T	4.60E-01		5.00E-02	2.0E+01	2.3E-02	2.0E+01	2.3E-02
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Antimony	7440-36-0	D		U	1.00E-03	6.0E-03		7.8E-03	
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Antimony	7440-36-0	T		U	1.00E-03	6.0E-03		7.8E-03	
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Antimony	7440-36-0	D		U	1.00E-03	6.0E-03		7.8E-03	
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Antimony	7440-36-0	T		U	1.00E-03	6.0E-03		7.8E-03	
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Arsenic	7440-38-2	D	4.00E-03		8.00E-04	1.0E-02	4.0E-01	5.2E-04	7.7E+00
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Arsenic	7440-38-2	T	4.70E-03		8.00E-04	1.0E-02	4.7E-01	5.2E-04	9.0E+00
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Arsenic	7440-38-2	D	4.10E-03		8.00E-04	1.0E-02	4.1E-01	5.2E-04	7.9E+00
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Arsenic	7440-38-2	T	4.50E-03		8.00E-04	1.0E-02	4.5E-01	5.2E-04	8.7E+00
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Barium	7440-39-3	D	2.20E-02		1.00E-02	2.0E+00	1.1E-02	3.8E+00	5.8E-03
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Barium	7440-39-3	T	2.40E-02		1.00E-02	2.0E+00	1.2E-02	3.8E+00	6.3E-03
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Barium	7440-39-3	D	2.20E-02		1.00E-02	2.0E+00	1.1E-02	3.8E+00	5.8E-03
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Barium	7440-39-3	T	2.20E-02		1.00E-02	2.0E+00	1.1E-02	3.8E+00	5.8E-03
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Beryllium	7440-41-7	D	1.20E-03		4.00E-04	4.0E-03	3.0E-01	2.5E-02	4.8E-02
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Beryllium	7440-41-7	T	1.10E-03		4.00E-04	4.0E-03	2.8E-01	2.5E-02	4.4E-02
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Beryllium	7440-41-7	D	1.30E-03		4.00E-04	4.0E-03	3.3E-01	2.5E-02	5.2E-02
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Beryllium	7440-41-7	T	1.30E-03		4.00E-04	4.0E-03	3.3E-01	2.5E-02	5.2E-02
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Cadmium	7440-43-9	D	2.50E-04		2.00E-04	5.0E-03	5.0E-02	1.8E-03	1.4E-01
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Cadmium	7440-43-9	T	9.70E-05	J	2.00E-04	5.0E-03	1.9E-02	1.8E-03	5.4E-02
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Cadmium	7440-43-9	D	2.90E-04		2.00E-04	5.0E-03	5.8E-02	1.8E-03	1.6E-01
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Cadmium	7440-43-9	T	1.10E-04	J	2.00E-04	5.0E-03	2.2E-02	1.8E-03	6.1E-02
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Chromium (total)	7440-47-3	D		U	1.00E-03	1.0E-01		2.2E+01	
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Chromium (total)	7440-47-3	T		U	1.00E-03	1.0E-01		2.2E+01	
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Chromium (total)	7440-47-3	D		U	1.00E-03	1.0E-01		2.2E+01	
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Chromium (total)	7440-47-3	T	9.90E-04	J	1.00E-03	1.0E-01	9.9E-03	2.2E+01	4.5E-05
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Cobalt	7440-48-4	D	3.70E-02		1.00E-03	6.0E-03	6.2E+00	6.0E-03	6.2E+00
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Cobalt	7440-48-4	T	4.00E-02		1.00E-03	6.0E-03	6.7E+00	6.0E-03	6.7E+00
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Cobalt	7440-48-4	D	3.70E-02		1.00E-03	6.0E-03	6.2E+00	6.0E-03	6.2E+00
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Cobalt	7440-48-4	T	4.00E-02		1.00E-03	6.0E-03	6.7E+00	6.0E-03	6.7E+00
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Copper	7440-50-8	D	1.30E-03		1.00E-03	1.3E+00	1.0E-03	8.0E-01	1.6E-03
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Copper	7440-50-8	T	1.20E-03		1.00E-03	1.3E+00	9.2E-04	8.0E-01	1.5E-03

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Copper	7440-50-8	D	1.50E-03		1.00E-03	1.3E+00	1.2E-03	8.0E-01	1.9E-03
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Copper	7440-50-8	T	1.30E-03		1.00E-03	1.3E+00	1.0E-03	8.0E-01	1.6E-03
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Iron	7439-89-6	D	6.30E+01		5.00E-02	1.4E+01	<b>4.5E+00</b>	1.4E+01	<b>4.5E+00</b>
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Iron	7439-89-6	T	6.40E+01		5.00E-02	1.4E+01	<b>4.6E+00</b>	1.4E+01	<b>4.6E+00</b>
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Iron	7439-89-6	D	6.30E+01		5.00E-02	1.4E+01	<b>4.5E+00</b>	1.4E+01	<b>4.5E+00</b>
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Iron	7439-89-6	T	6.00E+01		5.00E-02	1.4E+01	<b>4.3E+00</b>	1.4E+01	<b>4.3E+00</b>
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Lead	7439-92-1	D	1.50E-04	J	5.00E-04	1.5E-02	1.0E-02	1.5E-02	1.0E-02
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Lead	7439-92-1	T	2.70E-04	J	5.00E-04	1.5E-02	1.8E-02	1.5E-02	1.8E-02
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Lead	7439-92-1	D	1.60E-04	J	5.00E-04	1.5E-02	1.1E-02	1.5E-02	1.1E-02
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Lead	7439-92-1	T	4.60E-04	J	5.00E-04	1.5E-02	3.1E-02	1.5E-02	3.1E-02
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Manganese	7439-96-5	D	5.80E+00		2.00E-02	4.8E-01	<b>1.2E+01</b>	4.3E-01	<b>1.3E+01</b>
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Manganese	7439-96-5	T	5.70E+00		2.00E-02	4.8E-01	<b>1.2E+01</b>	4.3E-01	<b>1.3E+01</b>
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Manganese	7439-96-5	D	5.70E+00		2.00E-02	4.8E-01	<b>1.2E+01</b>	4.3E-01	<b>1.3E+01</b>
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Manganese	7439-96-5	T	5.50E+00		2.00E-02	4.8E-01	<b>1.1E+01</b>	4.3E-01	<b>1.3E+01</b>
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Mercury	7439-97-6	D		U	1.00E-04	2.0E-03		5.7E-04	
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Mercury	7439-97-6	T		U	1.00E-04	2.0E-03		5.7E-04	
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Mercury	7439-97-6	D		U	1.00E-04	2.0E-03		5.7E-04	
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Mercury	7439-97-6	T		U	1.00E-04	2.0E-03		5.7E-04	
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Nickel	7440-02-0	D	2.40E-02	B	5.00E-03	4.0E-01	6.0E-02	3.9E-01	6.2E-02
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Nickel	7440-02-0	T	3.20E-02		5.00E-03	4.0E-01	8.0E-02	3.9E-01	8.2E-02
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Nickel	7440-02-0	D	2.50E-02	B	5.00E-03	4.0E-01	6.3E-02	3.9E-01	6.4E-02
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Nickel	7440-02-0	T	3.50E-02		5.00E-03	4.0E-01	8.8E-02	3.9E-01	9.0E-02
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Selenium	7782-49-2	D	2.10E-03	J	5.00E-03	5.0E-02	4.2E-02	1.0E-01	2.1E-02
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Selenium	7782-49-2	T	1.60E-03	J	5.00E-03	5.0E-02	3.2E-02	1.0E-01	1.6E-02
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Selenium	7782-49-2	D	2.20E-03	J	5.00E-03	5.0E-02	4.4E-02	1.0E-01	2.2E-02
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Selenium	7782-49-2	T	1.70E-03	J	5.00E-03	5.0E-02	3.4E-02	1.0E-01	1.7E-02
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Silver	7440-22-4	D		U	2.00E-04	1.0E-01		9.4E-02	
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Silver	7440-22-4	T	3.00E-05	J	2.00E-04	1.0E-01	3.0E-04	9.4E-02	3.2E-04
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Silver	7440-22-4	D		U	2.00E-04	1.0E-01		9.4E-02	
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Silver	7440-22-4	T	3.00E-05	J	2.00E-04	1.0E-01	3.0E-04	9.4E-02	3.2E-04
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Thallium	7440-28-0	D		U	2.00E-04	2.0E-03		2.0E-04	
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Thallium	7440-28-0	T		U	2.00E-04	2.0E-03		2.0E-04	
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Thallium	7440-28-0	D		U	2.00E-04	2.0E-03		2.0E-04	
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Thallium	7440-28-0	T		U	2.00E-04	2.0E-03		2.0E-04	
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Vanadium	7440-62-2	D		U	5.00E-03	1.0E-01		8.6E-02	
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Vanadium	7440-62-2	T		U	5.00E-03	1.0E-01		8.6E-02	
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Vanadium	7440-62-2	D		U	5.00E-03	1.0E-01		8.6E-02	
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Vanadium	7440-62-2	T		U	5.00E-03	1.0E-01		8.6E-02	
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Zinc	7440-66-6	D	2.20E-02		1.00E-02	6.0E+00	3.7E-03	6.0E+00	3.7E-03
MW-202	HRP-DUP05-211026	FD	10/26/21	INORG	Zinc	7440-66-6	T	2.40E-02		1.00E-02	6.0E+00	4.0E-03	6.0E+00	4.0E-03
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Zinc	7440-66-6	D	2.30E-02		1.00E-02	6.0E+00	3.8E-03	6.0E+00	3.8E-03
MW-202	HRP-MW202-211026	N	10/26/21	INORG	Zinc	7440-66-6	T	2.80E-02		1.00E-02	6.0E+00	4.7E-03	6.0E+00	4.7E-03
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Acetone	67-64-1	T		U	5.00E-02	1.8E+01		1.8E+01	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Acrylonitrile	107-13-1	T		U	5.00E-03	1.4E-03		5.2E-04	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Bromobenzene	108-86-1	T		U	1.00E-03	1.6E-01		6.2E-02	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Bromochloromethane	74-97-5	T		U	1.00E-03			8.3E-02	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Bromodichloromethane	75-27-4	T		U	5.00E-04	8.0E-02		1.3E-03	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Bromoform	75-25-2	T		U	1.00E-03	8.0E-02		3.3E-02	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Bromomethane	74-83-9	T		U	2.00E-03	2.8E-02		7.5E-03	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	2-Butanone	78-93-3	T		U	2.00E-02	1.2E+01		5.6E+00	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	n-Butylbenzene	104-51-8	T		U	1.00E-03	1.0E+00		1.0E+00	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	sec-Butylbenzene	135-98-8	T		U	1.00E-03	2.0E+00		2.0E+00	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	tert-Butylbenzene	98-06-6	T		U	1.00E-03	2.0E+00		6.9E-01	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Carbon Tetrachloride	56-23-5	T		U	5.00E-03	5.0E-03		4.6E-03	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Chloroethane	75-00-3	T		U	2.00E-03			8.3E+00	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Chloroform	67-66-3	T		U	2.00E-03	8.0E-02		2.2E-03	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Chloromethane	74-87-3	T		U	2.00E-03			1.9E-01	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	2-Chlorotoluene	95-49-8	T		U	1.00E-03	4.0E-01		2.4E-01	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	4-Chlorotoluene	106-43-4	T		U	1.00E-03	4.0E-01		2.5E-01	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Cumene	98-82-8	T		U	1.00E-03	2.0E+00		4.5E-01	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	p-Cymene	99-87-6	T		U	1.00E-03				
MW-205	HRP-MW205-211026	N	10/26/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Dibromochloromethane	124-48-1	T		U	5.00E-04	8.0E-02		8.7E-03	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	1,2-Dibromoethane	106-93-4	T		U	5.00E-04	5.0E-05		7.5E-05	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Dibromomethane	74-95-3	T		U	1.00E-03			8.3E-03	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6	T		U	2.00E-03			1.3E-05	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	1,2-Dichlorobenzene	95-50-1	T		U	1.00E-03	6.0E-01		3.0E-01	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	1,3-Dichlorobenzene	541-73-1	T		U	1.00E-03	1.4E-01		4.8E-03	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	1,4-Dichlorobenzene	106-46-7	T		U	1.00E-03	7.5E-02		4.8E-03	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Dichlorodifluoromethane	75-71-8	T		U	2.00E-03	4.0E+00		2.0E-01	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	1,2-Dichloroethane	107-06-2	T		U	1.00E-03	5.0E-03		1.7E-03	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	1,3-Dichloropropane	142-28-9	T		U	5.00E-04	4.0E-01		3.7E-01	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	2,2-Dichloropropane	594-20-7	T		U	1.00E-03				
MW-205	HRP-MW205-211026	N	10/26/21	VOC	1,1-Dichloropropene	563-58-6	T		U	2.00E-03				
MW-205	HRP-MW205-211026	N	10/26/21	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	5.00E-04	7.8E-03		4.7E-03	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	1,4-Dioxane	123-91-1	T		U	5.00E-02	7.8E-03		4.6E-03	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Ethyl tert-butyl ether	637-92-3	T		U	5.00E-04	2.0E+01		7.0E-01	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Diethyl ether	60-29-7	T		U	2.00E-03	4.0E+00		3.9E+00	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Methyl Acetate	79-20-9	T		U	1.00E-03	2.0E+01		2.0E+01	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Methylcyclohexane	108-87-2	T		U	1.00E-03			1.3E+01	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Methylene Chloride	75-09-2	T		U	5.00E-03	5.0E-03		1.1E-01	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Diisopropyl ether	108-20-3	T		U	5.00E-04			1.5E+00	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	n-Propylbenzene	103-65-1	T		U	1.00E-03	2.0E+00		6.6E-01	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Styrene	100-42-5	T		U	1.00E-03	1.0E-01		1.2E+00	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	tert-Butyl alcohol	75-65-0	T		U	2.00E-02	1.6E+00		1.5E+00	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6	T		U	1.00E-03	3.0E-02		5.7E-03	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	5.00E-04	3.9E-03		7.6E-04	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Tetrachloroethene	127-18-4	T	6.80E-04	J	1.00E-03	5.0E-03	1.4E-01	4.1E-02	1.7E-02
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Tetrahydrofuran	109-99-9	T		U	1.00E-02	1.8E+01		3.4E+00	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	1,2,3-Trichlorobenzene	87-61-6	T		U	5.00E-03	1.6E-02		7.0E-03	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	1.00E-03	7.0E-02		4.0E-03	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	1,3,5-Trichlorobenzene	108-70-3	T		U	1.00E-03				
MW-205	HRP-MW205-211026	N	10/26/21	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Trichlorofluoromethane	75-69-4	T		U	2.00E-03	6.0E+00		5.2E+00	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	1,2,3-Trichloropropane	96-18-4	T		U	2.00E-03	8.4E-06		7.5E-06	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-03	6.0E+02		1.0E+01	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	1,2,4-Trimethylbenzene	95-63-6	T		U	1.00E-03	2.0E-01		5.6E-02	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	1,3,5-Trimethylbenzene	108-67-8	T		U	1.00E-03	2.0E-01		6.0E-02	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Vinyl Chloride	75-01-4	T		U	2.00E-03	2.0E-03		1.9E-04	
MW-205	HRP-MW205-211026	N	10/26/21	VOC	Xylenes (total)	1330-20-7	T		U	2.00E-03	1.0E+01		1.9E-01	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Acenaphthene	83-32-9	T		U	5.20E-03	1.2E+00		5.3E-01	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Acenaphthylene	208-96-8	T		U	5.20E-03	6.0E-01		1.2E-01	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Acetophenone	98-86-2	T		U	1.00E-02	2.0E+00		1.9E+00	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	t-Amyl methyl ether	994-05-8	T		U	5.00E-04				
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Aniline	62-53-3	T		U	5.20E-03	1.4E-01		1.3E-01	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Anthracene	120-12-7	T		U	5.20E-03	6.0E+00		1.8E+00	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Benzidine	92-87-5	T		U	2.10E-02	1.1E-06		1.1E-06	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Benzo(a)anthracene	56-55-3	T		U	5.20E-03	2.5E-03		3.0E-04	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Benzo(a)pyrene	50-32-8	T		U	5.20E-03	2.0E-04		2.5E-04	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	5.20E-03	2.5E-03		2.5E-03	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	5.20E-03	6.0E-01		1.2E-01	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	5.20E-03	2.5E-02		2.5E-02	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Benzoic Acid	65-85-0	T		U	1.00E-02	8.0E+01		7.5E+01	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	1.00E-02	6.0E-02		5.9E-02	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	1.00E-02	7.1E-04		1.4E-04	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.00E-02	6.0E-03		5.6E-02	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	1.00E-02				

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Butylbenzylphthalate	85-68-7	T		U	1.00E-02	4.1E-01		1.6E-01	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Carbazole	86-74-8	T		U	1.00E-02	8.0E-01		2.9E-01	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	1.00E-02	2.0E+00		1.4E+00	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	4-Chloroaniline	106-47-8	T		U	1.00E-02	3.9E-03		3.7E-03	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-02	1.6E+00		7.5E-01	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	2-Chlorophenol	95-57-8	T		U	1.00E-02	1.0E-01		9.1E-02	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	1.00E-02				
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Chrysene	218-01-9	T		U	5.20E-03	2.5E-01		2.5E-01	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	5.20E-03	2.5E-04		2.5E-04	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Dibenzofuran	132-64-9	T		U	5.20E-03	2.0E-02		7.9E-03	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.00E-02	1.7E-03		1.3E-03	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	2,4-Dichlorophenol	120-83-2	T		U	1.00E-02	6.0E-02		4.6E-02	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Diethylphthalate	84-66-2	T		U	1.00E-02	1.6E+01		1.5E+01	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.00E-02	4.0E-01		3.6E-01	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Dimethylphthalate	131-11-3	T		U	1.00E-02	1.6E+01		1.5E+01	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Di-n-butylphthalate	84-74-2	T		U	1.00E-02	2.0E+00		9.0E-01	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	1.00E-02	1.6E-03		1.5E-03	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	2,4-Dinitrophenol	51-28-5	T		U	1.00E-02	4.0E-02		3.9E-02	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.00E-02	2.0E-01		2.0E-01	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	1,2-Diphenylhydrazine	122-66-7	T		U	1.00E-02	9.7E-04		7.8E-04	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Fluoranthene	206-44-0	T		U	5.20E-03	8.0E-01		8.0E-01	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Fluorene	86-73-7	T		U	5.20E-03	8.0E-01		2.9E-01	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Hexachlorobenzene	118-74-1	T		U	1.00E-02	1.0E-03		9.8E-05	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Hexachlorobutadiene	87-68-3	T		U	6.00E-04	1.0E-02		1.4E-03	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.00E-02	5.0E-02		4.1E-04	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Hexachloroethane	67-72-1	T		U	1.00E-02	1.4E-02		3.3E-03	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	5.20E-03	2.5E-03		2.5E-03	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Isophorone	78-59-1	T		U	1.00E-02	8.2E-01		7.8E-01	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	1-Methylnaphthalene	90-12-0	T		U	5.20E-03	2.7E-02		1.1E-02	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	2-Methylnaphthalene	91-57-6	T		U	5.20E-03	8.0E-02		3.6E-02	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	2-Methylphenol	95-48-7	T		U	1.00E-02	1.0E+00		9.3E-01	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	3&4-Methylphenol	65794-96-9	T		U	1.00E-02				
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Naphthalene	91-20-3	T		U	2.00E-03	6.5E-03		1.2E-03	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	2-Nitroaniline	88-74-4	T		U	1.00E-02	2.0E-01		1.9E-01	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	3-Nitroaniline	99-09-2	T		U	1.00E-02	3.9E-02		3.8E-02	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	4-Nitroaniline	100-01-6	T		U	1.00E-02	3.9E-02		3.8E-02	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	2-Nitrophenol	88-75-5	T		U	1.00E-02				
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	4-Nitrophenol	100-02-7	T		U	1.00E-02				
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	N-Nitrosodimethylamine	62-75-9	T		U	1.00E-02	4.9E-06		1.1E-06	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	1.00E-02	1.6E-01		1.2E-01	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	1.00E-02	1.1E-04		1.1E-04	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	1.00E-02	8.0E-01		7.1E-01	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Pentachloronitrobenzene	82-68-8	T		U	1.00E-02	3.0E-03		1.2E-03	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Pentachlorophenol	87-86-5	T		U	1.00E-02	1.0E-03		4.1E-04	



**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Phenanthrene	85-01-8	T		U	5.20E-03	6.0E-01		1.2E-01	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Phenol	108-95-2	T		U	1.00E-02	6.0E+00		5.8E+00	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Pyrene	129-00-0	T		U	5.20E-03	6.0E-01		1.2E-01	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Pyridine	110-86-1	T		U	5.20E-03	2.0E-02		2.0E-02	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3	T		U	1.00E-02	6.0E-04		1.7E-04	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	1.00E-02	2.0E+00		1.2E+00	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	1.00E-02	2.0E-02		1.2E-02	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	1.00E-02	2.5E-03		2.4E-03	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	1.00E-02	5.2E-04		4.9E-04	
MW-205	HRP-MW205-211026	N	10/26/21	SVOC	Nitrobenzene	98-95-3	T		U	1.00E-02	4.0E-02		1.4E-03	
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Aluminum	7429-90-5	D		U	5.00E-02	2.0E+01		2.0E+01	
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Aluminum	7429-90-5	T	1.00E-01		5.00E-02	2.0E+01	5.0E-03	2.0E+01	5.0E-03
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Antimony	7440-36-0	D		U	1.00E-03	6.0E-03		7.8E-03	
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Antimony	7440-36-0	T		U	1.00E-03	6.0E-03		7.8E-03	
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Arsenic	7440-38-2	D		U	8.00E-04	1.0E-02		5.2E-04	
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Arsenic	7440-38-2	T		U	8.00E-04	1.0E-02		5.2E-04	
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Barium	7440-39-3	D	6.30E-02		1.00E-02	2.0E+00	3.2E-02	3.8E+00	1.7E-02
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Barium	7440-39-3	T	6.80E-02		1.00E-02	2.0E+00	3.4E-02	3.8E+00	1.8E-02
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Beryllium	7440-41-7	D		U	4.00E-04	4.0E-03		2.5E-02	
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Beryllium	7440-41-7	T		U	4.00E-04	4.0E-03		2.5E-02	
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Cadmium	7440-43-9	D	4.20E-05	J	2.00E-04	5.0E-03	8.4E-03	1.8E-03	2.3E-02
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Cadmium	7440-43-9	T	4.30E-05	J	2.00E-04	5.0E-03	8.6E-03	1.8E-03	2.4E-02
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Chromium (total)	7440-47-3	D		U	1.00E-03	1.0E-01		2.2E+01	
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Chromium (total)	7440-47-3	T		U	1.00E-03	1.0E-01		2.2E+01	
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Cobalt	7440-48-4	D	2.20E-03		1.00E-03	6.0E-03	3.7E-01	6.0E-03	3.7E-01
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Cobalt	7440-48-4	T	2.60E-03		1.00E-03	6.0E-03	4.3E-01	6.0E-03	4.3E-01
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Copper	7440-50-8	D	9.00E-04	J	1.00E-03	1.3E+00	6.9E-04	8.0E-01	1.1E-03
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Copper	7440-50-8	T	4.30E-04	J	1.00E-03	1.3E+00	3.3E-04	8.0E-01	5.4E-04
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Iron	7439-89-6	D		U	5.00E-02	1.4E+01		1.4E+01	
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Iron	7439-89-6	T	1.60E-01		5.00E-02	1.4E+01	1.1E-02	1.4E+01	1.1E-02
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Lead	7439-92-1	D		U	5.00E-04	1.5E-02		1.5E-02	
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Lead	7439-92-1	T		U	5.00E-04	1.5E-02		1.5E-02	
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Manganese	7439-96-5	D	3.10E-02		1.00E-03	4.8E-01	6.5E-02	4.3E-01	7.2E-02
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Manganese	7439-96-5	T	3.30E-02		1.00E-03	4.8E-01	6.9E-02	4.3E-01	7.7E-02
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Mercury	7439-97-6	D		U	1.00E-04	2.0E-03		5.7E-04	
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Mercury	7439-97-6	T		U	1.00E-04	2.0E-03		5.7E-04	
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Nickel	7440-02-0	D	1.60E-03	JB	5.00E-03	4.0E-01	4.0E-03	3.9E-01	4.1E-03
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Nickel	7440-02-0	T	3.20E-03	J	5.00E-03	4.0E-01	8.0E-03	3.9E-01	8.2E-03
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Selenium	7782-49-2	D	1.60E-03	J	5.00E-03	5.0E-02	3.2E-02	1.0E-01	1.6E-02
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Selenium	7782-49-2	T	1.50E-03	J	5.00E-03	5.0E-02	3.0E-02	1.0E-01	1.5E-02
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Silver	7440-22-4	D		U	2.00E-04	1.0E-01		9.4E-02	
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Silver	7440-22-4	T		U	2.00E-04	1.0E-01		9.4E-02	
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Thallium	7440-28-0	D		U	2.00E-04	2.0E-03		2.0E-04	
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Thallium	7440-28-0	T		U	2.00E-04	2.0E-03		2.0E-04	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Vanadium	7440-62-2	D		U	5.00E-03	1.0E-01		8.6E-02	
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Vanadium	7440-62-2	T		U	5.00E-03	1.0E-01		8.6E-02	
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Zinc	7440-66-6	D		U	1.00E-02	6.0E+00		6.0E+00	
MW-205	HRP-MW205-211026	N	10/26/21	INORG	Zinc	7440-66-6	T		U	1.00E-02	6.0E+00		6.0E+00	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Acetone	67-64-1	T	2.80E-03	J	5.00E-02	1.8E+01	1.6E-04	1.8E+01	1.6E-04
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Acrylonitrile	107-13-1	T		U	5.00E-03	1.4E-03		5.2E-04	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Bromobenzene	108-86-1	T		U	1.00E-03	1.6E-01		6.2E-02	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Bromochloromethane	74-97-5	T		U	1.00E-03			8.3E-02	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Bromodichloromethane	75-27-4	T		U	5.00E-04	8.0E-02		1.3E-03	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Bromoform	75-25-2	T		U	1.00E-03	8.0E-02		3.3E-02	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Bromomethane	74-83-9	T		U	2.00E-03	2.8E-02		7.5E-03	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	2-Butanone	78-93-3	T		U	2.00E-02	1.2E+01		5.6E+00	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	n-Butylbenzene	104-51-8	T		U	1.00E-03	1.0E+00		1.0E+00	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	sec-Butylbenzene	135-98-8	T		U	1.00E-03	2.0E+00		2.0E+00	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	tert-Butylbenzene	98-06-6	T		U	1.00E-03	2.0E+00		6.9E-01	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Carbon Tetrachloride	56-23-5	T		U	5.00E-03	5.0E-03		4.6E-03	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Chloroethane	75-00-3	T		U	2.00E-03			8.3E+00	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Chloroform	67-66-3	T		U	2.00E-03	8.0E-02		2.2E-03	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Chloromethane	74-87-3	T		U	2.00E-03			1.9E-01	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	2-Chlorotoluene	95-49-8	T		U	1.00E-03	4.0E-01		2.4E-01	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	4-Chlorotoluene	106-43-4	T		U	1.00E-03	4.0E-01		2.5E-01	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Cumene	98-82-8	T		U	1.00E-03	2.0E+00		4.5E-01	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	p-Cymene	99-87-6	T		U	1.00E-03				
MW-206	HRP-MW206-211026	N	10/26/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Dibromochloromethane	124-48-1	T		U	5.00E-04	8.0E-02		8.7E-03	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	1,2-Dibromoethane	106-93-4	T		U	5.00E-04	5.0E-05		7.5E-05	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Dibromomethane	74-95-3	T		U	1.00E-03			8.3E-03	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6	T		U	2.00E-03			1.3E-05	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	1,2-Dichlorobenzene	95-50-1	T		U	1.00E-03	6.0E-01		3.0E-01	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	1,3-Dichlorobenzene	541-73-1	T		U	1.00E-03	1.4E-01		4.8E-03	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	1,4-Dichlorobenzene	106-46-7	T		U	1.00E-03	7.5E-02		4.8E-03	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Dichlorodifluoromethane	75-71-8	T		U	2.00E-03	4.0E+00		2.0E-01	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	1,2-Dichloroethane	107-06-2	T		U	1.00E-03	5.0E-03		1.7E-03	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	1,3-Dichloropropane	142-28-9	T		U	5.00E-04	4.0E-01		3.7E-01	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	2,2-Dichloropropane	594-20-7	T		U	1.00E-03				
MW-206	HRP-MW206-211026	N	10/26/21	VOC	1,1-Dichloropropene	563-58-6	T		U	2.00E-03				

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-206	HRP-MW206-211026	N	10/26/21	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	5.00E-04	7.8E-03		4.7E-03	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	1,4-Dioxane	123-91-1	T		U	5.00E-02	7.8E-03		4.6E-03	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Ethyl tert-butyl ether	637-92-3	T		U	5.00E-04	2.0E+01		7.0E-01	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Diethyl ether	60-29-7	T		U	2.00E-03	4.0E+00		3.9E+00	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Methyl Acetate	79-20-9	T		U	1.00E-03	2.0E+01		2.0E+01	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Methylcyclohexane	108-87-2	T		U	1.00E-03			1.3E+01	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Methylene Chloride	75-09-2	T		U	5.00E-03	5.0E-03		1.1E-01	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Diisopropyl ether	108-20-3	T		U	5.00E-04			1.5E+00	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	n-Propylbenzene	103-65-1	T		U	1.00E-03	2.0E+00		6.6E-01	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Styrene	100-42-5	T		U	1.00E-03	1.0E-01		1.2E+00	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	tert-Butyl alcohol	75-65-0	T		U	2.00E-02	1.6E+00		1.5E+00	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6	T		U	1.00E-03	3.0E-02		5.7E-03	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	5.00E-04	3.9E-03		7.6E-04	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Tetrachloroethene	127-18-4	T		U	1.00E-03	5.0E-03		4.1E-02	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Tetrahydrofuran	109-99-9	T		U	1.00E-02	1.8E+01		3.4E+00	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	1,2,3-Trichlorobenzene	87-61-6	T		U	5.00E-03	1.6E-02		7.0E-03	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	1.00E-03	7.0E-02		4.0E-03	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	1,3,5-Trichlorobenzene	108-70-3	T		U	1.00E-03				
MW-206	HRP-MW206-211026	N	10/26/21	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Trichlorofluoromethane	75-69-4	T		U	2.00E-03	6.0E+00		5.2E+00	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	1,2,3-Trichloropropane	96-18-4	T		U	2.00E-03	8.4E-06		7.5E-06	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-03	6.0E+02		1.0E+01	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	1,2,4-Trimethylbenzene	95-63-6	T		U	1.00E-03	2.0E-01		5.6E-02	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	1,3,5-Trimethylbenzene	108-67-8	T		U	1.00E-03	2.0E-01		6.0E-02	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Vinyl Chloride	75-01-4	T		U	2.00E-03	2.0E-03		1.9E-04	
MW-206	HRP-MW206-211026	N	10/26/21	VOC	Xylenes (total)	1330-20-7	T		U	2.00E-03	1.0E+01		1.9E-01	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Acenaphthene	83-32-9	T		U	5.60E-03	1.2E+00		5.3E-01	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Acenaphthylene	208-96-8	T		U	5.60E-03	6.0E-01		1.2E-01	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Acetophenone	98-86-2	T		U	1.10E-02	2.0E+00		1.9E+00	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	t-Amyl methyl ether	994-05-8	T		U	5.00E-04				
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Aniline	62-53-3	T		U	5.60E-03	1.4E-01		1.3E-01	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Anthracene	120-12-7	T		U	5.60E-03	6.0E+00		1.8E+00	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Benzidine	92-87-5	T		U	2.20E-02	1.1E-06		1.1E-06	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Benzo(a)anthracene	56-55-3	T		U	5.60E-03	2.5E-03		3.0E-04	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Benzo(a)pyrene	50-32-8	T		U	5.60E-03	2.0E-04		2.5E-04	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	5.60E-03	2.5E-03		2.5E-03	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	5.60E-03	6.0E-01		1.2E-01	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	5.60E-03	2.5E-02		2.5E-02	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Benzoic Acid	65-85-0	T		U	1.10E-02	8.0E+01		7.5E+01	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	1.10E-02	6.0E-02		5.9E-02	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	1.10E-02	7.1E-04		1.4E-04	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.10E-02	6.0E-03		5.6E-02	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	1.10E-02				
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Butylbenzylphthalate	85-68-7	T		U	1.10E-02	4.1E-01		1.6E-01	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Carbazole	86-74-8	T		U	1.10E-02	8.0E-01		2.9E-01	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	1.10E-02	2.0E+00		1.4E+00	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	4-Chloroaniline	106-47-8	T		U	1.10E-02	3.9E-03		3.7E-03	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.10E-02	1.6E+00		7.5E-01	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	2-Chlorophenol	95-57-8	T		U	1.10E-02	1.0E-01		9.1E-02	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	1.10E-02				
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Chrysene	218-01-9	T		U	5.60E-03	2.5E-01		2.5E-01	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	5.60E-03	2.5E-04		2.5E-04	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Dibenzofuran	132-64-9	T		U	5.60E-03	2.0E-02		7.9E-03	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.10E-02	1.7E-03		1.3E-03	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	2,4-Dichlorophenol	120-83-2	T		U	1.10E-02	6.0E-02		4.6E-02	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Diethylphthalate	84-66-2	T		U	1.10E-02	1.6E+01		1.5E+01	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.10E-02	4.0E-01		3.6E-01	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Dimethylphthalate	131-11-3	T		U	1.10E-02	1.6E+01		1.5E+01	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Di-n-butylphthalate	84-74-2	T		U	1.10E-02	2.0E+00		9.0E-01	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	1.10E-02	1.6E-03		1.5E-03	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	2,4-Dinitrophenol	51-28-5	T		U	1.10E-02	4.0E-02		3.9E-02	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.10E-02	2.0E-01		2.0E-01	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	1,2-Diphenylhydrazine	122-66-7	T		U	1.10E-02	9.7E-04		7.8E-04	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Fluoranthene	206-44-0	T		U	5.60E-03	8.0E-01		8.0E-01	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Fluorene	86-73-7	T		U	5.60E-03	8.0E-01		2.9E-01	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Hexachlorobenzene	118-74-1	T		U	1.10E-02	1.0E-03		9.8E-05	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Hexachlorobutadiene	87-68-3	T		U	6.00E-04	1.0E-02		1.4E-03	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.10E-02	5.0E-02		4.1E-04	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Hexachloroethane	67-72-1	T		U	1.10E-02	1.4E-02		3.3E-03	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	5.60E-03	2.5E-03		2.5E-03	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Isophorone	78-59-1	T		U	1.10E-02	8.2E-01		7.8E-01	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	1-Methylnaphthalene	90-12-0	T		U	5.60E-03	2.7E-02		1.1E-02	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	2-Methylnaphthalene	91-57-6	T		U	5.60E-03	8.0E-02		3.6E-02	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	2-Methylphenol	95-48-7	T		U	1.10E-02	1.0E+00		9.3E-01	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	3&4-Methylphenol	65794-96-9	T		U	1.10E-02				
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Naphthalene	91-20-3	T		U	2.00E-03	6.5E-03		1.2E-03	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	2-Nitroaniline	88-74-4	T		U	1.10E-02	2.0E-01		1.9E-01	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	3-Nitroaniline	99-09-2	T		U	1.10E-02	3.9E-02		3.8E-02	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	4-Nitroaniline	100-01-6	T		U	1.10E-02	3.9E-02		3.8E-02	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	2-Nitrophenol	88-75-5	T		U	1.10E-02				
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	4-Nitrophenol	100-02-7	T		U	1.10E-02				

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	N-Nitrosodimethylamine	62-75-9	T		U	1.10E-02	4.9E-06		1.1E-06	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	1.10E-02	1.6E-01		1.2E-01	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	1.10E-02	1.1E-04		1.1E-04	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	1.10E-02	8.0E-01		7.1E-01	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Pentachloronitrobenzene	82-68-8	T		U	1.10E-02	3.0E-03		1.2E-03	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Pentachlorophenol	87-86-5	T		U	1.10E-02	1.0E-03		4.1E-04	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Phenanthrene	85-01-8	T		U	5.60E-03	6.0E-01		1.2E-01	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Phenol	108-95-2	T		U	1.10E-02	6.0E+00		5.8E+00	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Pyrene	129-00-0	T		U	5.60E-03	6.0E-01		1.2E-01	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Pyridine	110-86-1	T		U	5.60E-03	2.0E-02		2.0E-02	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3	T		U	1.10E-02	6.0E-04		1.7E-04	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	1.10E-02	2.0E+00		1.2E+00	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	1.10E-02	2.0E-02		1.2E-02	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	1.10E-02	2.5E-03		2.4E-03	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	1.10E-02	5.2E-04		4.9E-04	
MW-206	HRP-MW206-211026	N	10/26/21	SVOC	Nitrobenzene	98-95-3	T		U	1.10E-02	4.0E-02		1.4E-03	
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Aluminum	7429-90-5	D	6.70E-02		5.00E-02	2.0E+01	3.4E-03	2.0E+01	3.4E-03
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Aluminum	7429-90-5	T	1.90E+01		5.00E-02	2.0E+01	9.5E-01	2.0E+01	9.5E-01
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Antimony	7440-36-0	D		U	1.00E-03	6.0E-03		7.8E-03	
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Antimony	7440-36-0	T	4.10E-04	J	1.00E-03	6.0E-03	6.8E-02	7.8E-03	5.3E-02
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Arsenic	7440-38-2	D	5.00E-03		8.00E-04	1.0E-02	5.0E-01	5.2E-04	9.6E+00
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Arsenic	7440-38-2	T	1.80E-02		8.00E-04	1.0E-02	1.8E+00	5.2E-04	3.5E+01
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Barium	7440-39-3	D	2.80E-02		1.00E-02	2.0E+00	1.4E-02	3.8E+00	7.4E-03
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Barium	7440-39-3	T	2.20E-01		1.00E-02	2.0E+00	1.1E-01	3.8E+00	5.8E-02
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Beryllium	7440-41-7	D		U	4.00E-04	4.0E-03		2.5E-02	
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Beryllium	7440-41-7	T	1.40E-03		4.00E-04	4.0E-03	3.5E-01	2.5E-02	5.6E-02
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Cadmium	7440-43-9	D		U	2.00E-04	5.0E-03		1.8E-03	
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Cadmium	7440-43-9	T	5.30E-05	J	2.00E-04	5.0E-03	1.1E-02	1.8E-03	2.9E-02
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Chromium (total)	7440-47-3	D		U	1.00E-03	1.0E-01		2.2E+01	
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Chromium (total)	7440-47-3	T	3.60E-02		1.00E-03	1.0E-01	3.6E-01	2.2E+01	1.6E-03
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Cobalt	7440-48-4	D	7.20E-02		1.00E-03	6.0E-03	1.2E+01	6.0E-03	1.2E+01
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Cobalt	7440-48-4	T	1.00E-01		1.00E-03	6.0E-03	1.7E+01	6.0E-03	1.7E+01
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Copper	7440-50-8	D	2.50E-02		1.00E-03	1.3E+00	1.9E-02	8.0E-01	3.1E-02
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Copper	7440-50-8	T	5.20E-02		1.00E-03	1.3E+00	4.0E-02	8.0E-01	6.5E-02
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Iron	7439-89-6	D	1.00E+02		5.00E-02	1.4E+01	7.1E+00	1.4E+01	7.1E+00
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Lead	7439-92-1	D		U	5.00E-04	1.5E-02		1.5E-02	
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Lead	7439-92-1	T	2.50E-02		5.00E-04	1.5E-02	1.7E+00	1.5E-02	1.7E+00
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Manganese	7439-96-5	D	1.40E+01		1.00E-01	4.8E-01	2.9E+01	4.3E-01	3.3E+01
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Manganese	7439-96-5	T	1.50E+01		1.00E-01	4.8E-01	3.1E+01	4.3E-01	3.5E+01
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Mercury	7439-97-6	D		U	1.00E-04	2.0E-03		5.7E-04	
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Mercury	7439-97-6	T	5.30E-05	J	1.00E-04	2.0E-03	2.7E-02	5.7E-04	9.3E-02
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Nickel	7440-02-0	D	4.10E-02	B	5.00E-03	4.0E-01	1.0E-01	3.9E-01	1.1E-01
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Nickel	7440-02-0	T	8.90E-02		5.00E-03	4.0E-01	2.2E-01	3.9E-01	2.3E-01
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Selenium	7782-49-2	D	1.50E-02		5.00E-03	5.0E-02	3.0E-01	1.0E-01	1.5E-01

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Selenium	7782-49-2	T	1.40E-02		5.00E-03	5.0E-02	2.8E-01	1.0E-01	1.4E-01
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Silver	7440-22-4	D		U	2.00E-04	1.0E-01		9.4E-02	
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Silver	7440-22-4	T	3.70E-04		2.00E-04	1.0E-01	3.7E-03	9.4E-02	3.9E-03
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Thallium	7440-28-0	D		U	2.00E-04	2.0E-03		2.0E-04	
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Thallium	7440-28-0	T	2.70E-04		2.00E-04	2.0E-03	1.4E-01	2.0E-04	1.4E+00
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Vanadium	7440-62-2	D		U	5.00E-03	1.0E-01		8.6E-02	
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Vanadium	7440-62-2	T	6.40E-02		5.00E-03	1.0E-01	6.4E-01	8.6E-02	7.4E-01
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Zinc	7440-66-6	D	1.60E-02		1.00E-02	6.0E+00	2.7E-03	6.0E+00	2.7E-03
MW-206	HRP-MW206-211026	N	10/26/21	INORG	Zinc	7440-66-6	T	1.10E-01		1.00E-02	6.0E+00	1.8E-02	6.0E+00	1.8E-02
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Acetone	67-64-1	T		U	5.00E-02	1.8E+01		1.8E+01	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Acrylonitrile	107-13-1	T		U	5.00E-03	1.4E-03		5.2E-04	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Bromobenzene	108-86-1	T		U	1.00E-03	1.6E-01		6.2E-02	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Bromochloromethane	74-97-5	T		U	1.00E-03			8.3E-02	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Bromodichloromethane	75-27-4	T		U	5.00E-04	8.0E-02		1.3E-03	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Bromoform	75-25-2	T		U	1.00E-03	8.0E-02		3.3E-02	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Bromomethane	74-83-9	T		U	2.00E-03	2.8E-02		7.5E-03	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	2-Butanone	78-93-3	T		U	2.00E-02	1.2E+01		5.6E+00	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	n-Butylbenzene	104-51-8	T		U	1.00E-03	1.0E+00		1.0E+00	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	sec-Butylbenzene	135-98-8	T		U	1.00E-03	2.0E+00		2.0E+00	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	tert-Butylbenzene	98-06-6	T		U	1.00E-03	2.0E+00		6.9E-01	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Carbon Tetrachloride	56-23-5	T		U	5.00E-03	5.0E-03		4.6E-03	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Chloroethane	75-00-3	T		U	2.00E-03			8.3E+00	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Chloroform	67-66-3	T		U	2.00E-03	8.0E-02		2.2E-03	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Chloromethane	74-87-3	T		U	2.00E-03			1.9E-01	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	2-Chlorotoluene	95-49-8	T		U	1.00E-03	4.0E-01		2.4E-01	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	4-Chlorotoluene	106-43-4	T		U	1.00E-03	4.0E-01		2.5E-01	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Cumene	98-82-8	T		U	1.00E-03	2.0E+00		4.5E-01	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	p-Cymene	99-87-6	T		U	1.00E-03				
MW-207	HRP-MW207-211026	N	10/26/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Dibromochloromethane	124-48-1	T		U	5.00E-04	8.0E-02		8.7E-03	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	1,2-Dibromoethane	106-93-4	T		U	5.00E-04	5.0E-05		7.5E-05	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Dibromomethane	74-95-3	T		U	1.00E-03			8.3E-03	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6	T		U	2.00E-03			1.3E-05	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	1,2-Dichlorobenzene	95-50-1	T		U	1.00E-03	6.0E-01		3.0E-01	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	1,3-Dichlorobenzene	541-73-1	T		U	1.00E-03	1.4E-01		4.8E-03	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	1,4-Dichlorobenzene	106-46-7	T		U	1.00E-03	7.5E-02		4.8E-03	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Dichlorodifluoromethane	75-71-8	T		U	2.00E-03	4.0E+00		2.0E-01	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	1,2-Dichloroethane	107-06-2	T		U	1.00E-03	5.0E-03		1.7E-03	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-207	HRP-MW207-211026	N	10/26/21	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	1,3-Dichloropropane	142-28-9	T		U	5.00E-04	4.0E-01		3.7E-01	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	2,2-Dichloropropane	594-20-7	T		U	1.00E-03				
MW-207	HRP-MW207-211026	N	10/26/21	VOC	1,1-Dichloropropene	563-58-6	T		U	2.00E-03				
MW-207	HRP-MW207-211026	N	10/26/21	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	5.00E-04	7.8E-03		4.7E-03	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	1,4-Dioxane	123-91-1	T		U	5.00E-02	7.8E-03		4.6E-03	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Ethyl tert-butyl ether	637-92-3	T		U	5.00E-04	2.0E+01		7.0E-01	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Diethyl ether	60-29-7	T		U	2.00E-03	4.0E+00		3.9E+00	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Methyl Acetate	79-20-9	T		U	1.00E-03	2.0E+01		2.0E+01	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Methylcyclohexane	108-87-2	T		U	1.00E-03			1.3E+01	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Methylene Chloride	75-09-2	T		U	5.00E-03	5.0E-03		1.1E-01	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Diisopropyl ether	108-20-3	T		U	5.00E-04			1.5E+00	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	n-Propylbenzene	103-65-1	T		U	1.00E-03	2.0E+00		6.6E-01	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Styrene	100-42-5	T		U	1.00E-03	1.0E-01		1.2E+00	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	tert-Butyl alcohol	75-65-0	T		U	2.00E-02	1.6E+00		1.5E+00	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6	T		U	1.00E-03	3.0E-02		5.7E-03	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	5.00E-04	3.9E-03		7.6E-04	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Tetrachloroethene	127-18-4	T	2.50E-04	J	1.00E-03	5.0E-03	5.0E-02	4.1E-02	6.1E-03
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Tetrahydrofuran	109-99-9	T		U	1.00E-02	1.8E+01		3.4E+00	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	1,2,3-Trichlorobenzene	87-61-6	T		U	5.00E-03	1.6E-02		7.0E-03	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	1.00E-03	7.0E-02		4.0E-03	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	1,3,5-Trichlorobenzene	108-70-3	T		U	1.00E-03				
MW-207	HRP-MW207-211026	N	10/26/21	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Trichlorofluoromethane	75-69-4	T		U	2.00E-03	6.0E+00		5.2E+00	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	1,2,3-Trichloropropane	96-18-4	T		U	2.00E-03	8.4E-06		7.5E-06	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-03	6.0E+02		1.0E+01	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	1,2,4-Trimethylbenzene	95-63-6	T		U	1.00E-03	2.0E-01		5.6E-02	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	1,3,5-Trimethylbenzene	108-67-8	T		U	1.00E-03	2.0E-01		6.0E-02	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Vinyl Chloride	75-01-4	T		U	2.00E-03	2.0E-03		1.9E-04	
MW-207	HRP-MW207-211026	N	10/26/21	VOC	Xylenes (total)	1330-20-7	T		U	2.00E-03	1.0E+01		1.9E-01	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Acenaphthene	83-32-9	T		U	4.80E-03	1.2E+00		5.3E-01	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Acenaphthylene	208-96-8	T		U	4.80E-03	6.0E-01		1.2E-01	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Acetophenone	98-86-2	T		U	9.60E-03	2.0E+00		1.9E+00	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	t-Amyl methyl ether	994-05-8	T		U	5.00E-04				
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Aniline	62-53-3	T		U	4.80E-03	1.4E-01		1.3E-01	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Anthracene	120-12-7	T		U	4.80E-03	6.0E+00		1.8E+00	



**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Benzidine	92-87-5	T		U	1.90E-02	1.1E-06		1.1E-06	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Benzo(a)anthracene	56-55-3	T		U	4.80E-03	2.5E-03		3.0E-04	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Benzo(a)pyrene	50-32-8	T		U	4.80E-03	2.0E-04		2.5E-04	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	4.80E-03	2.5E-03		2.5E-03	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	4.80E-03	6.0E-01		1.2E-01	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	4.80E-03	2.5E-02		2.5E-02	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Benzoic Acid	65-85-0	T		U	9.60E-03	8.0E+01		7.5E+01	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	9.60E-03	6.0E-02		5.9E-02	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	9.60E-03	7.1E-04		1.4E-04	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	9.60E-03	6.0E-03		5.6E-02	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	9.60E-03				
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Butylbenzylphthalate	85-68-7	T		U	9.60E-03	4.1E-01		1.6E-01	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Carbazole	86-74-8	T		U	9.60E-03	8.0E-01		2.9E-01	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	9.60E-03	2.0E+00		1.4E+00	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	4-Chloroaniline	106-47-8	T		U	9.60E-03	3.9E-03		3.7E-03	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	2-Chloronaphthalene	91-58-7	T		U	9.60E-03	1.6E+00		7.5E-01	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	2-Chlorophenol	95-57-8	T		U	9.60E-03	1.0E-01		9.1E-02	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	9.60E-03				
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Chrysene	218-01-9	T		U	4.80E-03	2.5E-01		2.5E-01	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	4.80E-03	2.5E-04		2.5E-04	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Dibenzofuran	132-64-9	T		U	4.80E-03	2.0E-02		7.9E-03	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	9.60E-03	1.7E-03		1.3E-03	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	2,4-Dichlorophenol	120-83-2	T		U	9.60E-03	6.0E-02		4.6E-02	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Diethylphthalate	84-66-2	T		U	9.60E-03	1.6E+01		1.5E+01	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	2,4-Dimethylphenol	105-67-9	T		U	9.60E-03	4.0E-01		3.6E-01	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Dimethylphthalate	131-11-3	T		U	9.60E-03	1.6E+01		1.5E+01	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Di-n-butylphthalate	84-74-2	T		U	9.60E-03	2.0E+00		9.0E-01	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	9.60E-03	1.6E-03		1.5E-03	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	2,4-Dinitrophenol	51-28-5	T		U	9.60E-03	4.0E-02		3.9E-02	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Di-n-octylphthalate	117-84-0	T		U	9.60E-03	2.0E-01		2.0E-01	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	1,2-Diphenylhydrazine	122-66-7	T		U	9.60E-03	9.7E-04		7.8E-04	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Fluoranthene	206-44-0	T		U	4.80E-03	8.0E-01		8.0E-01	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Fluorene	86-73-7	T		U	4.80E-03	8.0E-01		2.9E-01	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Hexachlorobenzene	118-74-1	T		U	9.60E-03	1.0E-03		9.8E-05	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Hexachlorobutadiene	87-68-3	T		U	6.00E-04	1.0E-02		1.4E-03	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	9.60E-03	5.0E-02		4.1E-04	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Hexachloroethane	67-72-1	T		U	9.60E-03	1.4E-02		3.3E-03	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	4.80E-03	2.5E-03		2.5E-03	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Isophorone	78-59-1	T		U	9.60E-03	8.2E-01		7.8E-01	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	1-Methylnaphthalene	90-12-0	T		U	4.80E-03	2.7E-02		1.1E-02	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	2-Methylnaphthalene	91-57-6	T		U	4.80E-03	8.0E-02		3.6E-02	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	2-Methylphenol	95-48-7	T		U	9.60E-03	1.0E+00		9.3E-01	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	3&4-Methylphenol	65794-96-9	T		U	9.60E-03				
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Naphthalene	91-20-3	T		U	2.00E-03	6.5E-03		1.2E-03	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	2-Nitroaniline	88-74-4	T		U	9.60E-03	2.0E-01		1.9E-01	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	3-Nitroaniline	99-09-2	T		U	9.60E-03	3.9E-02		3.8E-02	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	4-Nitroaniline	100-01-6	T		U	9.60E-03	3.9E-02		3.8E-02	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	2-Nitrophenol	88-75-5	T		U	9.60E-03				
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	4-Nitrophenol	100-02-7	T		U	9.60E-03				
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	N-Nitrosodimethylamine	62-75-9	T		U	9.60E-03	4.9E-06		1.1E-06	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	9.60E-03	1.6E-01		1.2E-01	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	9.60E-03	1.1E-04		1.1E-04	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	9.60E-03	8.0E-01		7.1E-01	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Pentachloronitrobenzene	82-68-8	T		U	9.60E-03	3.0E-03		1.2E-03	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Pentachlorophenol	87-86-5	T		U	9.60E-03	1.0E-03		4.1E-04	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Phenanthrene	85-01-8	T		U	4.80E-03	6.0E-01		1.2E-01	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Phenol	108-95-2	T		U	9.60E-03	6.0E+00		5.8E+00	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Pyrene	129-00-0	T		U	4.80E-03	6.0E-01		1.2E-01	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Pyridine	110-86-1	T		U	4.80E-03	2.0E-02		2.0E-02	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3	T		U	9.60E-03	6.0E-04		1.7E-04	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	9.60E-03	2.0E+00		1.2E+00	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	9.60E-03	2.0E-02		1.2E-02	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	9.60E-03	2.5E-03		2.4E-03	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	9.60E-03	5.2E-04		4.9E-04	
MW-207	HRP-MW207-211026	N	10/26/21	SVOC	Nitrobenzene	98-95-3	T		U	9.60E-03	4.0E-02		1.4E-03	
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Aluminum	7429-90-5	D		U	5.00E-02	2.0E+01		2.0E+01	
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Aluminum	7429-90-5	T	4.80E-01		5.00E-02	2.0E+01	2.4E-02	2.0E+01	2.4E-02
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Antimony	7440-36-0	D		U	1.00E-03	6.0E-03		7.8E-03	
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Antimony	7440-36-0	T		U	1.00E-03	6.0E-03		7.8E-03	
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Arsenic	7440-38-2	D	5.20E-03		8.00E-04	1.0E-02	5.2E-01	5.2E-04	1.0E+01
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Arsenic	7440-38-2	T	8.00E-03		8.00E-04	1.0E-02	8.0E-01	5.2E-04	1.5E+01
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Barium	7440-39-3	D	2.30E-02		1.00E-02	2.0E+00	1.2E-02	3.8E+00	6.1E-03
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Barium	7440-39-3	T	2.80E-02		1.00E-02	2.0E+00	1.4E-02	3.8E+00	7.4E-03
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Beryllium	7440-41-7	D		U	4.00E-04	4.0E-03		2.5E-02	
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Beryllium	7440-41-7	T		U	4.00E-04	4.0E-03		2.5E-02	
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Cadmium	7440-43-9	D	5.60E-04		2.00E-04	5.0E-03	1.1E-01	1.8E-03	3.1E-01
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Cadmium	7440-43-9	T	4.40E-04		2.00E-04	5.0E-03	8.8E-02	1.8E-03	2.4E-01
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Chromium (total)	7440-47-3	D		U	1.00E-03	1.0E-01		2.2E+01	
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Chromium (total)	7440-47-3	T	2.10E-03		1.00E-03	1.0E-01	2.1E-02	2.2E+01	9.5E-05
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Cobalt	7440-48-4	D	2.30E-02		1.00E-03	6.0E-03	3.8E+00	6.0E-03	3.8E+00
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Cobalt	7440-48-4	T	2.50E-02		1.00E-03	6.0E-03	4.2E+00	6.0E-03	4.2E+00
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Copper	7440-50-8	D	3.90E-02		1.00E-03	1.3E+00	3.0E-02	8.0E-01	4.9E-02
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Copper	7440-50-8	T	3.10E-02		1.00E-03	1.3E+00	2.4E-02	8.0E-01	3.9E-02
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Iron	7439-89-6	D	1.10E+00		5.00E-02	1.4E+01	7.9E-02	1.4E+01	7.9E-02
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Iron	7439-89-6	T	1.70E+00		5.00E-02	1.4E+01	1.2E-01	1.4E+01	1.2E-01
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Lead	7439-92-1	D		U	5.00E-04	1.5E-02		1.5E-02	
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Lead	7439-92-1	T	3.50E-04	J	5.00E-04	1.5E-02	2.3E-02	1.5E-02	2.3E-02
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Manganese	7439-96-5	D	1.60E+01		1.00E-01	4.8E-01	3.3E+01	4.3E-01	3.7E+01

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Manganese	7439-96-5	T	1.60E+01		1.00E-01	4.8E-01	<b>3.3E+01</b>	4.3E-01	<b>3.7E+01</b>
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Mercury	7439-97-6	D		U	1.00E-04	2.0E-03		5.7E-04	
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Mercury	7439-97-6	T		U	1.00E-04	2.0E-03		5.7E-04	
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Nickel	7440-02-0	D	5.40E-02	B	5.00E-03	4.0E-01	1.4E-01	3.9E-01	1.4E-01
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Nickel	7440-02-0	T	6.20E-02		5.00E-03	4.0E-01	1.6E-01	3.9E-01	1.6E-01
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Selenium	7782-49-2	D	9.70E-03		5.00E-03	5.0E-02	1.9E-01	1.0E-01	9.7E-02
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Selenium	7782-49-2	T	1.00E-02		5.00E-03	5.0E-02	2.0E-01	1.0E-01	1.0E-01
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Silver	7440-22-4	D		U	2.00E-04	1.0E-01		9.4E-02	
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Silver	7440-22-4	T	3.30E-05	J	2.00E-04	1.0E-01	3.3E-04	9.4E-02	3.5E-04
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Thallium	7440-28-0	D		U	2.00E-04	2.0E-03		2.0E-04	
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Thallium	7440-28-0	T		U	2.00E-04	2.0E-03		2.0E-04	
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Vanadium	7440-62-2	D		U	5.00E-03	1.0E-01		8.6E-02	
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Vanadium	7440-62-2	T		U	5.00E-03	1.0E-01		8.6E-02	
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Zinc	7440-66-6	D	1.10E-02		1.00E-02	6.0E+00	1.8E-03	6.0E+00	1.8E-03
MW-207	HRP-MW207-211026	N	10/26/21	INORG	Zinc	7440-66-6	T	1.30E-02		1.00E-02	6.0E+00	2.2E-03	6.0E+00	2.2E-03
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Acetone	67-64-1	T		U	5.00E-02	1.8E+01		1.8E+01	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Acrylonitrile	107-13-1	T		U	5.00E-03	1.4E-03		5.2E-04	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Bromobenzene	108-86-1	T		U	1.00E-03	1.6E-01		6.2E-02	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Bromochloromethane	74-97-5	T		U	1.00E-03			8.3E-02	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Bromodichloromethane	75-27-4	T		U	5.00E-04	8.0E-02		1.3E-03	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Bromoform	75-25-2	T		U	1.00E-03	8.0E-02		3.3E-02	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Bromomethane	74-83-9	T		U	2.00E-03	2.8E-02		7.5E-03	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	2-Butanone	78-93-3	T		U	2.00E-02	1.2E+01		5.6E+00	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	n-Butylbenzene	104-51-8	T		U	1.00E-03	1.0E+00		1.0E+00	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	sec-Butylbenzene	135-98-8	T		U	1.00E-03	2.0E+00		2.0E+00	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	tert-Butylbenzene	98-06-6	T		U	1.00E-03	2.0E+00		6.9E-01	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Carbon Tetrachloride	56-23-5	T		U	5.00E-03	5.0E-03		4.6E-03	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Chloroethane	75-00-3	T		U	2.00E-03			8.3E+00	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Chloroform	67-66-3	T		U	2.00E-03	8.0E-02		2.2E-03	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Chloromethane	74-87-3	T		U	2.00E-03			1.9E-01	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	2-Chlorotoluene	95-49-8	T		U	1.00E-03	4.0E-01		2.4E-01	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	4-Chlorotoluene	106-43-4	T		U	1.00E-03	4.0E-01		2.5E-01	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Cumene	98-82-8	T		U	1.00E-03	2.0E+00		4.5E-01	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	p-Cymene	99-87-6	T		U	1.00E-03				
MW-208	HRP-SB208-211026	N	10/26/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Dibromochloromethane	124-48-1	T		U	5.00E-04	8.0E-02		8.7E-03	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	1,2-Dibromoethane	106-93-4	T		U	5.00E-04	5.0E-05		7.5E-05	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Dibromomethane	74-95-3	T		U	1.00E-03			8.3E-03	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6	T		U	2.00E-03			1.3E-05	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	1,2-Dichlorobenzene	95-50-1	T		U	1.00E-03	6.0E-01		3.0E-01	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	1,3-Dichlorobenzene	541-73-1	T		U	1.00E-03	1.4E-01		4.8E-03	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-208	HRP-SB208-211026	N	10/26/21	VOC	1,4-Dichlorobenzene	106-46-7	T		U	1.00E-03	7.5E-02		4.8E-03	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Dichlorodifluoromethane	75-71-8	T		U	2.00E-03	4.0E+00		2.0E-01	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	1,2-Dichloroethane	107-06-2	T		U	1.00E-03	5.0E-03		1.7E-03	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	1,3-Dichloropropane	142-28-9	T		U	5.00E-04	4.0E-01		3.7E-01	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	2,2-Dichloropropane	594-20-7	T		U	1.00E-03				
MW-208	HRP-SB208-211026	N	10/26/21	VOC	1,1-Dichloropropene	563-58-6	T		U	2.00E-03				
MW-208	HRP-SB208-211026	N	10/26/21	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	5.00E-04	7.8E-03		4.7E-03	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	1,4-Dioxane	123-91-1	T		U	5.00E-02	7.8E-03		4.6E-03	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Ethyl tert-butyl ether	637-92-3	T		U	5.00E-04	2.0E+01		7.0E-01	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Diethyl ether	60-29-7	T		U	2.00E-03	4.0E+00		3.9E+00	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Methyl Acetate	79-20-9	T		U	1.00E-03	2.0E+01		2.0E+01	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Methylcyclohexane	108-87-2	T		U	1.00E-03			1.3E+01	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Methylene Chloride	75-09-2	T		U	5.00E-03	5.0E-03		1.1E-01	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Diisopropyl ether	108-20-3	T	4.60E-04	J	5.00E-04			1.5E+00	3.1E-04
MW-208	HRP-SB208-211026	N	10/26/21	VOC	n-Propylbenzene	103-65-1	T		U	1.00E-03	2.0E+00		6.6E-01	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Styrene	100-42-5	T		U	1.00E-03	1.0E-01		1.2E+00	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	tert-Butyl alcohol	75-65-0	T		U	2.00E-02	1.6E+00		1.5E+00	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6	T		U	1.00E-03	3.0E-02		5.7E-03	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	5.00E-04	3.9E-03		7.6E-04	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Tetrachloroethene	127-18-4	T		U	1.00E-03	5.0E-03		4.1E-02	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Tetrahydrofuran	109-99-9	T		U	1.00E-02	1.8E+01		3.4E+00	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	1,2,3-Trichlorobenzene	87-61-6	T		U	5.00E-03	1.6E-02		7.0E-03	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	1.00E-03	7.0E-02		4.0E-03	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	1,3,5-Trichlorobenzene	108-70-3	T		U	1.00E-03				
MW-208	HRP-SB208-211026	N	10/26/21	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Trichlorofluoromethane	75-69-4	T		U	2.00E-03	6.0E+00		5.2E+00	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	1,2,3-Trichloropropane	96-18-4	T		U	2.00E-03	8.4E-06		7.5E-06	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-03	6.0E+02		1.0E+01	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	1,2,4-Trimethylbenzene	95-63-6	T		U	1.00E-03	2.0E-01		5.6E-02	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	1,3,5-Trimethylbenzene	108-67-8	T		U	1.00E-03	2.0E-01		6.0E-02	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Vinyl Chloride	75-01-4	T		U	2.00E-03	2.0E-03		1.9E-04	
MW-208	HRP-SB208-211026	N	10/26/21	VOC	Xylenes (total)	1330-20-7	T		U	2.00E-03	1.0E+01		1.9E-01	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Acenaphthene	83-32-9	T		U	4.80E-03	1.2E+00		5.3E-01	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Acenaphthylene	208-96-8	T		U	4.80E-03	6.0E-01		1.2E-01	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Acetophenone	98-86-2	T		U	9.70E-03	2.0E+00		1.9E+00	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	t-Amyl methyl ether	994-05-8	T		U	5.00E-04				
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Aniline	62-53-3	T		U	4.80E-03	1.4E-01		1.3E-01	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Anthracene	120-12-7	T		U	4.80E-03	6.0E+00		1.8E+00	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Benzidine	92-87-5	T		U	1.90E-02	1.1E-06		1.1E-06	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Benzo(a)anthracene	56-55-3	T		U	4.80E-03	2.5E-03		3.0E-04	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Benzo(a)pyrene	50-32-8	T		U	4.80E-03	2.0E-04		2.5E-04	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	4.80E-03	2.5E-03		2.5E-03	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	4.80E-03	6.0E-01		1.2E-01	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	4.80E-03	2.5E-02		2.5E-02	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Benzoic Acid	65-85-0	T		U	9.70E-03	8.0E+01		7.5E+01	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	9.70E-03	6.0E-02		5.9E-02	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	9.70E-03	7.1E-04		1.4E-04	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	9.70E-03	6.0E-03		5.6E-02	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	9.70E-03				
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Butylbenzylphthalate	85-68-7	T		U	9.70E-03	4.1E-01		1.6E-01	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Carbazole	86-74-8	T		U	9.70E-03	8.0E-01		2.9E-01	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	9.70E-03	2.0E+00		1.4E+00	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	4-Chloroaniline	106-47-8	T		U	9.70E-03	3.9E-03		3.7E-03	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	2-Chloronaphthalene	91-58-7	T		U	9.70E-03	1.6E+00		7.5E-01	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	2-Chlorophenol	95-57-8	T		U	9.70E-03	1.0E-01		9.1E-02	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	9.70E-03				
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Chrysene	218-01-9	T		U	4.80E-03	2.5E-01		2.5E-01	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	4.80E-03	2.5E-04		2.5E-04	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Dibenzofuran	132-64-9	T		U	4.80E-03	2.0E-02		7.9E-03	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	9.70E-03	1.7E-03		1.3E-03	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	2,4-Dichlorophenol	120-83-2	T		U	9.70E-03	6.0E-02		4.6E-02	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Diethylphthalate	84-66-2	T		U	9.70E-03	1.6E+01		1.5E+01	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	2,4-Dimethylphenol	105-67-9	T		U	9.70E-03	4.0E-01		3.6E-01	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Dimethylphthalate	131-11-3	T		U	9.70E-03	1.6E+01		1.5E+01	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Di-n-butylphthalate	84-74-2	T		U	9.70E-03	2.0E+00		9.0E-01	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	9.70E-03	1.6E-03		1.5E-03	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	2,4-Dinitrophenol	51-28-5	T		U	9.70E-03	4.0E-02		3.9E-02	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Di-n-octylphthalate	117-84-0	T		U	9.70E-03	2.0E-01		2.0E-01	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	1,2-Diphenylhydrazine	122-66-7	T		U	9.70E-03	9.7E-04		7.8E-04	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Fluoranthene	206-44-0	T		U	4.80E-03	8.0E-01		8.0E-01	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Fluorene	86-73-7	T		U	4.80E-03	8.0E-01		2.9E-01	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Hexachlorobenzene	118-74-1	T		U	9.70E-03	1.0E-03		9.8E-05	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Hexachlorobutadiene	87-68-3	T		U	6.00E-04	1.0E-02		1.4E-03	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	9.70E-03	5.0E-02		4.1E-04	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Hexachloroethane	67-72-1	T		U	9.70E-03	1.4E-02		3.3E-03	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	4.80E-03	2.5E-03		2.5E-03	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Isophorone	78-59-1	T		U	9.70E-03	8.2E-01		7.8E-01	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	1-Methylnaphthalene	90-12-0	T		U	4.80E-03	2.7E-02		1.1E-02	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	2-Methylnaphthalene	91-57-6	T		U	4.80E-03	8.0E-02		3.6E-02	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	2-Methylphenol	95-48-7	T		U	9.70E-03	1.0E+00		9.3E-01	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	3&4-Methylphenol	65794-96-9	T		U	9.70E-03				
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Naphthalene	91-20-3	T		U	2.00E-03	6.5E-03		1.2E-03	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	2-Nitroaniline	88-74-4	T		U	9.70E-03	2.0E-01		1.9E-01	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	3-Nitroaniline	99-09-2	T		U	9.70E-03	3.9E-02		3.8E-02	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	4-Nitroaniline	100-01-6	T		U	9.70E-03	3.9E-02		3.8E-02	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	2-Nitrophenol	88-75-5	T		U	9.70E-03				
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	4-Nitrophenol	100-02-7	T		U	9.70E-03				
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	N-Nitrosodimethylamine	62-75-9	T		U	9.70E-03	4.9E-06		1.1E-06	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	9.70E-03	1.6E-01		1.2E-01	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	9.70E-03	1.1E-04		1.1E-04	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	9.70E-03	8.0E-01		7.1E-01	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Pentachloronitrobenzene	82-68-8	T		U	9.70E-03	3.0E-03		1.2E-03	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Pentachlorophenol	87-86-5	T		U	9.70E-03	1.0E-03		4.1E-04	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Phenanthrene	85-01-8	T		U	4.80E-03	6.0E-01		1.2E-01	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Phenol	108-95-2	T		U	9.70E-03	6.0E+00		5.8E+00	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Pyrene	129-00-0	T		U	4.80E-03	6.0E-01		1.2E-01	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Pyridine	110-86-1	T		U	4.80E-03	2.0E-02		2.0E-02	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3	T		U	9.70E-03	6.0E-04		1.7E-04	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	9.70E-03	2.0E+00		1.2E+00	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	9.70E-03	2.0E-02		1.2E-02	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	9.70E-03	2.5E-03		2.4E-03	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	9.70E-03	5.2E-04		4.9E-04	
MW-208	HRP-SB208-211026	N	10/26/21	SVOC	Nitrobenzene	98-95-3	T		U	9.70E-03	4.0E-02		1.4E-03	
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Aluminum	7429-90-5	D		U	5.00E-02	2.0E+01		2.0E+01	
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Aluminum	7429-90-5	T	8.50E-02		5.00E-02	2.0E+01	4.3E-03	2.0E+01	4.3E-03
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Antimony	7440-36-0	D		U	1.00E-03	6.0E-03		7.8E-03	
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Antimony	7440-36-0	T		U	1.00E-03	6.0E-03		7.8E-03	
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Arsenic	7440-38-2	D	3.60E-03		8.00E-04	1.0E-02	3.6E-01	5.2E-04	6.9E+00
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Arsenic	7440-38-2	T	4.90E-03		8.00E-04	1.0E-02	4.9E-01	5.2E-04	9.4E+00
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Barium	7440-39-3	D	2.30E-02		1.00E-02	2.0E+00	1.2E-02	3.8E+00	6.1E-03
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Barium	7440-39-3	T	2.70E-02		1.00E-02	2.0E+00	1.4E-02	3.8E+00	7.1E-03
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Beryllium	7440-41-7	D	6.70E-05	J	4.00E-04	4.0E-03	1.7E-02	2.5E-02	2.7E-03
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Beryllium	7440-41-7	T		U	4.00E-04	4.0E-03		2.5E-02	
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Cadmium	7440-43-9	D	1.60E-03		2.00E-04	5.0E-03	3.2E-01	1.8E-03	8.9E-01
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Cadmium	7440-43-9	T	1.60E-03		2.00E-04	5.0E-03	3.2E-01	1.8E-03	8.9E-01
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Chromium (total)	7440-47-3	D		U	1.00E-03	1.0E-01		2.2E+01	
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Chromium (total)	7440-47-3	T	9.60E-04	J	1.00E-03	1.0E-01	9.6E-03	2.2E+01	4.4E-05
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Cobalt	7440-48-4	D	2.00E-01		1.00E-03	6.0E-03	3.3E+01	6.0E-03	3.3E+01
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Cobalt	7440-48-4	T	2.10E-01		1.00E-03	6.0E-03	3.5E+01	6.0E-03	3.5E+01
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Copper	7440-50-8	D	8.00E-03		1.00E-03	1.3E+00	6.2E-03	8.0E-01	1.0E-02

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Copper	7440-50-8	T	6.70E-03		1.00E-03	1.3E+00	5.2E-03	8.0E-01	8.4E-03
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Iron	7439-89-6	D	4.90E+01		5.00E-02	1.4E+01	<b>3.5E+00</b>	1.4E+01	<b>3.5E+00</b>
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Iron	7439-89-6	T	5.10E+01		5.00E-02	1.4E+01	<b>3.6E+00</b>	1.4E+01	<b>3.6E+00</b>
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Lead	7439-92-1	D		U	5.00E-04	1.5E-02		1.5E-02	
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Lead	7439-92-1	T		U	5.00E-04	1.5E-02		1.5E-02	
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Manganese	7439-96-5	D	1.60E+01		1.00E-01	4.8E-01	<b>3.3E+01</b>	4.3E-01	<b>3.7E+01</b>
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Manganese	7439-96-5	T	1.60E+01		1.00E-01	4.8E-01	<b>3.3E+01</b>	4.3E-01	<b>3.7E+01</b>
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Mercury	7439-97-6	D		U	1.00E-04	2.0E-03		5.7E-04	
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Mercury	7439-97-6	T		U	1.00E-04	2.0E-03		5.7E-04	
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Nickel	7440-02-0	D	1.00E-01	B	5.00E-03	4.0E-01	2.5E-01	3.9E-01	2.6E-01
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Nickel	7440-02-0	T	1.10E-01		5.00E-03	4.0E-01	2.8E-01	3.9E-01	2.8E-01
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Selenium	7782-49-2	D	6.00E-03		5.00E-03	5.0E-02	1.2E-01	1.0E-01	6.0E-02
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Selenium	7782-49-2	T	5.00E-03		5.00E-03	5.0E-02	1.0E-01	1.0E-01	5.0E-02
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Silver	7440-22-4	D		U	2.00E-04	1.0E-01		9.4E-02	
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Silver	7440-22-4	T	2.70E-05	J	2.00E-04	1.0E-01	2.7E-04	9.4E-02	2.9E-04
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Thallium	7440-28-0	D		U	2.00E-04	2.0E-03		2.0E-04	
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Thallium	7440-28-0	T		U	2.00E-04	2.0E-03		2.0E-04	
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Vanadium	7440-62-2	D		U	5.00E-03	1.0E-01		8.6E-02	
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Vanadium	7440-62-2	T		U	5.00E-03	1.0E-01		8.6E-02	
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Zinc	7440-66-6	D	3.70E-02		1.00E-02	6.0E+00	6.2E-03	6.0E+00	6.2E-03
MW-208	HRP-SB208-211026	N	10/26/21	INORG	Zinc	7440-66-6	T	4.10E-02		1.00E-02	6.0E+00	6.8E-03	6.0E+00	6.8E-03
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Acetone	67-64-1	T		U	5.00E-02	1.8E+01		1.8E+01	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Acrylonitrile	107-13-1	T		U	5.00E-03	1.4E-03		5.2E-04	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Bromobenzene	108-86-1	T		U	1.00E-03	1.6E-01		6.2E-02	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Bromochloromethane	74-97-5	T		U	1.00E-03			8.3E-02	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Bromodichloromethane	75-27-4	T		U	5.00E-04	8.0E-02		1.3E-03	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Bromoform	75-25-2	T		U	1.00E-03	8.0E-02		3.3E-02	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Bromomethane	74-83-9	T		U	5.00E-03	2.8E-02		7.5E-03	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	2-Butanone	78-93-3	T		U	2.00E-02	1.2E+01		5.6E+00	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	n-Butylbenzene	104-51-8	T		U	1.00E-03	1.0E+00		1.0E+00	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	sec-Butylbenzene	135-98-8	T		U	1.00E-03	2.0E+00		2.0E+00	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	tert-Butylbenzene	98-06-6	T		U	1.00E-03	2.0E+00		6.9E-01	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Carbon Tetrachloride	56-23-5	T		U	5.00E-03	5.0E-03		4.6E-03	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Chlorobenzene	108-90-7	T	1.00E-03		1.00E-03	1.0E-01	1.0E-02	7.8E-02	1.3E-02
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Chloroethane	75-00-3	T		U	2.00E-03			8.3E+00	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Chloroform	67-66-3	T		U	2.00E-03	8.0E-02		2.2E-03	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Chloromethane	74-87-3	T		U	2.00E-03			1.9E-01	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	2-Chlorotoluene	95-49-8	T		U	1.00E-03	4.0E-01		2.4E-01	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	4-Chlorotoluene	106-43-4	T		U	1.00E-03	4.0E-01		2.5E-01	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Cumene	98-82-8	T		U	1.00E-03	2.0E+00		4.5E-01	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	p-Cymene	99-87-6	T		U	1.00E-03				
MW-209	HRP-MW209-211028	N	10/28/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	



**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Dibromochloromethane	124-48-1	T		U	5.00E-04	8.0E-02		8.7E-03	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	1,2-Dibromoethane	106-93-4	T		U	5.00E-04	5.0E-05		7.5E-05	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Dibromomethane	74-95-3	T		U	1.00E-03			8.3E-03	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6	T		U	2.00E-03			1.3E-05	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	1,2-Dichlorobenzene	95-50-1	T		U	1.00E-03	6.0E-01		3.0E-01	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	1,3-Dichlorobenzene	541-73-1	T		U	1.00E-03	1.4E-01		4.8E-03	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	1,4-Dichlorobenzene	106-46-7	T		U	1.00E-03	7.5E-02		4.8E-03	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Dichlorodifluoromethane	75-71-8	T		U	2.00E-03	4.0E+00		2.0E-01	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	1,2-Dichloroethane	107-06-2	T		U	1.00E-03	5.0E-03		1.7E-03	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	1,3-Dichloropropane	142-28-9	T		U	5.00E-04	4.0E-01		3.7E-01	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	2,2-Dichloropropane	594-20-7	T		U	1.00E-03				
MW-209	HRP-MW209-211028	N	10/28/21	VOC	1,1-Dichloropropene	563-58-6	T		U	2.00E-03				
MW-209	HRP-MW209-211028	N	10/28/21	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	5.00E-04	7.8E-03		4.7E-03	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	1,4-Dioxane	123-91-1	T		U	5.00E-02	7.8E-03		4.6E-03	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Ethyl tert-butyl ether	637-92-3	T		U	5.00E-04	2.0E+01		7.0E-01	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Diethyl ether	60-29-7	T		U	2.00E-03	4.0E+00		3.9E+00	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Methyl Acetate	79-20-9	T		U	1.00E-03	2.0E+01		2.0E+01	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Methylcyclohexane	108-87-2	T		U	1.00E-03			1.3E+01	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Methylene Chloride	75-09-2	T		U	5.00E-03	5.0E-03		1.1E-01	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Diisopropyl ether	108-20-3	T	2.80E-03		5.00E-04			1.5E+00	1.9E-03
MW-209	HRP-MW209-211028	N	10/28/21	VOC	n-Propylbenzene	103-65-1	T		U	1.00E-03	2.0E+00		6.6E-01	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Styrene	100-42-5	T		U	1.00E-03	1.0E-01		1.2E+00	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	tert-Butyl alcohol	75-65-0	T		U	2.00E-02	1.6E+00		1.5E+00	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6	T		U	1.00E-03	3.0E-02		5.7E-03	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	5.00E-04	3.9E-03		7.6E-04	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Tetrachloroethene	127-18-4	T		U	1.00E-03	5.0E-03		4.1E-02	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Tetrahydrofuran	109-99-9	T		U	1.00E-02	1.8E+01		3.4E+00	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	1,2,3-Trichlorobenzene	87-61-6	T		U	5.00E-03	1.6E-02		7.0E-03	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	1.00E-03	7.0E-02		4.0E-03	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	1,3,5-Trichlorobenzene	108-70-3	T		U	1.00E-03				
MW-209	HRP-MW209-211028	N	10/28/21	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Trichlorofluoromethane	75-69-4	T		U	2.00E-03	6.0E+00		5.2E+00	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-209	HRP-MW209-211028	N	10/28/21	VOC	1,2,3-Trichloropropane	96-18-4	T		U	2.00E-03	8.4E-06		7.5E-06	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-03	6.0E+02		1.0E+01	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	1,2,4-Trimethylbenzene	95-63-6	T		U	1.00E-03	2.0E-01		5.6E-02	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	1,3,5-Trimethylbenzene	108-67-8	T		U	1.00E-03	2.0E-01		6.0E-02	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Vinyl Chloride	75-01-4	T		U	2.00E-03	2.0E-03		1.9E-04	
MW-209	HRP-MW209-211028	N	10/28/21	VOC	Xylenes (total)	1330-20-7	T		U	2.00E-03	1.0E+01		1.9E-01	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Acenaphthene	83-32-9	T		U	4.80E-03	1.2E+00		5.3E-01	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Acenaphthylene	208-96-8	T		U	4.80E-03	6.0E-01		1.2E-01	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Acetophenone	98-86-2	T		U	9.50E-03	2.0E+00		1.9E+00	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	t-Amyl methyl ether	994-05-8	T		U	5.00E-04				
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Aniline	62-53-3	T		U	4.80E-03	1.4E-01		1.3E-01	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Anthracene	120-12-7	T		U	4.80E-03	6.0E+00		1.8E+00	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Benzidine	92-87-5	T		U	1.90E-02	1.1E-06		1.1E-06	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Benzo(a)anthracene	56-55-3	T		U	4.80E-03	2.5E-03		3.0E-04	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Benzo(a)pyrene	50-32-8	T		U	4.80E-03	2.0E-04		2.5E-04	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	4.80E-03	2.5E-03		2.5E-03	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	4.80E-03	6.0E-01		1.2E-01	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	4.80E-03	2.5E-02		2.5E-02	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Benzoic Acid	65-85-0	T		U	9.50E-03	8.0E+01		7.5E+01	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	9.50E-03	6.0E-02		5.9E-02	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	9.50E-03	7.1E-04		1.4E-04	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	9.50E-03	6.0E-03		5.6E-02	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	9.50E-03				
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Butylbenzylphthalate	85-68-7	T		U	9.50E-03	4.1E-01		1.6E-01	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Carbazole	86-74-8	T		U	9.50E-03	8.0E-01		2.9E-01	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	9.50E-03	2.0E+00		1.4E+00	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	4-Chloroaniline	106-47-8	T		U	9.50E-03	3.9E-03		3.7E-03	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	2-Chloronaphthalene	91-58-7	T		U	9.50E-03	1.6E+00		7.5E-01	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	2-Chlorophenol	95-57-8	T		U	9.50E-03	1.0E-01		9.1E-02	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	9.50E-03				
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Chrysene	218-01-9	T		U	4.80E-03	2.5E-01		2.5E-01	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	4.80E-03	2.5E-04		2.5E-04	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Dibenzofuran	132-64-9	T		U	4.80E-03	2.0E-02		7.9E-03	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	9.50E-03	1.7E-03		1.3E-03	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	2,4-Dichlorophenol	120-83-2	T		U	9.50E-03	6.0E-02		4.6E-02	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Diethylphthalate	84-66-2	T		U	9.50E-03	1.6E+01		1.5E+01	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	2,4-Dimethylphenol	105-67-9	T		U	9.50E-03	4.0E-01		3.6E-01	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Dimethylphthalate	131-11-3	T		U	9.50E-03	1.6E+01		1.5E+01	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Di-n-butylphthalate	84-74-2	T		U	9.50E-03	2.0E+00		9.0E-01	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	9.50E-03	1.6E-03		1.5E-03	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	2,4-Dinitrophenol	51-28-5	T		U	9.50E-03	4.0E-02		3.9E-02	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Di-n-octylphthalate	117-84-0	T		U	9.50E-03	2.0E-01		2.0E-01	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	1,2-Diphenylhydrazine	122-66-7	T		U	9.50E-03	9.7E-04		7.8E-04	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Fluoranthene	206-44-0	T		U	4.80E-03	8.0E-01		8.0E-01	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Fluorene	86-73-7	T		U	4.80E-03	8.0E-01		2.9E-01	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Hexachlorobenzene	118-74-1	T		U	9.50E-03	1.0E-03		9.8E-05	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Hexachlorobutadiene	87-68-3	T		U	6.00E-04	1.0E-02		1.4E-03	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	9.50E-03	5.0E-02		4.1E-04	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Hexachloroethane	67-72-1	T		U	9.50E-03	1.4E-02		3.3E-03	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	4.80E-03	2.5E-03		2.5E-03	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Isophorone	78-59-1	T		U	9.50E-03	8.2E-01		7.8E-01	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	1-Methylnaphthalene	90-12-0	T		U	4.80E-03	2.7E-02		1.1E-02	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	2-Methylnaphthalene	91-57-6	T		U	4.80E-03	8.0E-02		3.6E-02	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	2-Methylphenol	95-48-7	T		U	9.50E-03	1.0E+00		9.3E-01	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	3&4-Methylphenol	65794-96-9	T		U	9.50E-03				
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Naphthalene	91-20-3	T		U	2.00E-03	6.5E-03		1.2E-03	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	2-Nitroaniline	88-74-4	T		U	9.50E-03	2.0E-01		1.9E-01	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	3-Nitroaniline	99-09-2	T		U	9.50E-03	3.9E-02		3.8E-02	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	4-Nitroaniline	100-01-6	T		U	9.50E-03	3.9E-02		3.8E-02	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	2-Nitrophenol	88-75-5	T		U	9.50E-03				
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	4-Nitrophenol	100-02-7	T		U	9.50E-03				
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	N-Nitrosodimethylamine	62-75-9	T		U	9.50E-03	4.9E-06		1.1E-06	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	9.50E-03	1.6E-01		1.2E-01	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	9.50E-03	1.1E-04		1.1E-04	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	9.50E-03	8.0E-01		7.1E-01	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Pentachloronitrobenzene	82-68-8	T		U	9.50E-03	3.0E-03		1.2E-03	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Pentachlorophenol	87-86-5	T		U	9.50E-03	1.0E-03		4.1E-04	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Phenanthrene	85-01-8	T		U	4.80E-03	6.0E-01		1.2E-01	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Phenol	108-95-2	T		U	9.50E-03	6.0E+00		5.8E+00	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Pyrene	129-00-0	T		U	4.80E-03	6.0E-01		1.2E-01	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Pyridine	110-86-1	T		U	4.80E-03	2.0E-02		2.0E-02	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3	T		U	9.50E-03	6.0E-04		1.7E-04	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	9.50E-03	2.0E+00		1.2E+00	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	9.50E-03	2.0E-02		1.2E-02	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	9.50E-03	2.5E-03		2.4E-03	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	9.50E-03	5.2E-04		4.9E-04	
MW-209	HRP-MW209-211028	N	10/28/21	SVOC	Nitrobenzene	98-95-3	T		U	9.50E-03	4.0E-02		1.4E-03	
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Aluminum	7429-90-5	D		U	5.00E-02	2.0E+01		2.0E+01	
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Aluminum	7429-90-5	T	2.50E-01		5.00E-02	2.0E+01	1.3E-02	2.0E+01	1.3E-02
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Antimony	7440-36-0	D		U	1.00E-03	6.0E-03		7.8E-03	
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Antimony	7440-36-0	T		U	1.00E-03	6.0E-03		7.8E-03	
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Arsenic	7440-38-2	D	7.10E-03		8.00E-04	1.0E-02	7.1E-01	5.2E-04	1.4E+01
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Arsenic	7440-38-2	T	6.90E-03		8.00E-04	1.0E-02	6.9E-01	5.2E-04	1.3E+01
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Barium	7440-39-3	D	1.80E-02		1.00E-02	2.0E+00	9.0E-03	3.8E+00	4.7E-03
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Barium	7440-39-3	T	1.90E-02		1.00E-02	2.0E+00	9.5E-03	3.8E+00	5.0E-03
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Beryllium	7440-41-7	D		U	4.00E-04	4.0E-03		2.5E-02	
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Beryllium	7440-41-7	T		U	4.00E-04	4.0E-03		2.5E-02	
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Cadmium	7440-43-9	D	5.20E-04		2.00E-04	5.0E-03	1.0E-01	1.8E-03	2.9E-01

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Cadmium	7440-43-9	T	7.80E-04		2.00E-04	5.0E-03	1.6E-01	1.8E-03	4.3E-01
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Chromium (total)	7440-47-3	D		U	1.00E-03	1.0E-01		2.2E+01	
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Chromium (total)	7440-47-3	T		U	1.00E-03	1.0E-01		2.2E+01	
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Cobalt	7440-48-4	D	9.70E-02		1.00E-03	6.0E-03	<b>1.6E+01</b>	6.0E-03	<b>1.6E+01</b>
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Cobalt	7440-48-4	T	1.10E-01		1.00E-03	6.0E-03	<b>1.8E+01</b>	6.0E-03	<b>1.8E+01</b>
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Copper	7440-50-8	D	3.60E-03		1.00E-03	1.3E+00	2.8E-03	8.0E-01	4.5E-03
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Copper	7440-50-8	T	6.00E-03		1.00E-03	1.3E+00	4.6E-03	8.0E-01	7.5E-03
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Iron	7439-89-6	D	5.50E+01		5.00E-02	1.4E+01	<b>3.9E+00</b>	1.4E+01	<b>3.9E+00</b>
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Iron	7439-89-6	T	5.50E+01		5.00E-02	1.4E+01	<b>3.9E+00</b>	1.4E+01	<b>3.9E+00</b>
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Lead	7439-92-1	D		U	5.00E-04	1.5E-02		1.5E-02	
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Lead	7439-92-1	T	2.00E-04	J	5.00E-04	1.5E-02	1.3E-02	1.5E-02	1.3E-02
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Manganese	7439-96-5	D	9.20E+00		1.00E-03	4.8E-01	<b>1.9E+01</b>	4.3E-01	<b>2.1E+01</b>
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Manganese	7439-96-5	T	9.50E+00		1.00E-03	4.8E-01	<b>2.0E+01</b>	4.3E-01	<b>2.2E+01</b>
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Mercury	7439-97-6	D		U	1.00E-04	2.0E-03		5.7E-04	
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Mercury	7439-97-6	T		U	1.00E-04	2.0E-03		5.7E-04	
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Nickel	7440-02-0	D	3.50E-02		5.00E-03	4.0E-01	8.8E-02	3.9E-01	9.0E-02
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Nickel	7440-02-0	T	3.70E-02		5.00E-03	4.0E-01	9.3E-02	3.9E-01	9.5E-02
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Selenium	7782-49-2	D		U	5.00E-03	5.0E-02		1.0E-01	
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Selenium	7782-49-2	T	9.40E-04	J	5.00E-03	5.0E-02	1.9E-02	1.0E-01	9.4E-03
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Silver	7440-22-4	D		U	2.00E-04	1.0E-01		9.4E-02	
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Silver	7440-22-4	T		U	2.00E-04	1.0E-01		9.4E-02	
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Thallium	7440-28-0	D		U	2.00E-04	2.0E-03		2.0E-04	
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Thallium	7440-28-0	T		U	2.00E-04	2.0E-03		2.0E-04	
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Vanadium	7440-62-2	D		U	5.00E-03	1.0E-01		8.6E-02	
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Vanadium	7440-62-2	T		U	5.00E-03	1.0E-01		8.6E-02	
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Zinc	7440-66-6	D	3.00E-02		1.00E-02	6.0E+00	5.0E-03	6.0E+00	5.0E-03
MW-209	HRP-MW209-211028	N	10/28/21	INORG	Zinc	7440-66-6	T	2.90E-02		1.00E-02	6.0E+00	4.8E-03	6.0E+00	4.8E-03
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Acetone	67-64-1	T	3.40E-03	J	5.00E-02	1.8E+01	1.9E-04	1.8E+01	1.9E-04
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Acrylonitrile	107-13-1	T		U	5.00E-03	1.4E-03		5.2E-04	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Bromobenzene	108-86-1	T		U	1.00E-03	1.6E-01		6.2E-02	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Bromochloromethane	74-97-5	T		U	1.00E-03			8.3E-02	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Bromodichloromethane	75-27-4	T		U	5.00E-04	8.0E-02		1.3E-03	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Bromoform	75-25-2	T		U	1.00E-03	8.0E-02		3.3E-02	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Bromomethane	74-83-9	T		U	2.00E-03	2.8E-02		7.5E-03	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	2-Butanone	78-93-3	T		U	2.00E-02	1.2E+01		5.6E+00	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	n-Butylbenzene	104-51-8	T		U	1.00E-03	1.0E+00		1.0E+00	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	sec-Butylbenzene	135-98-8	T		U	1.00E-03	2.0E+00		2.0E+00	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	tert-Butylbenzene	98-06-6	T		U	1.00E-03	2.0E+00		6.9E-01	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Carbon Tetrachloride	56-23-5	T		U	5.00E-03	5.0E-03		4.6E-03	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Chloroethane	75-00-3	T		U	2.00E-03			8.3E+00	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Chloroform	67-66-3	T		U	2.00E-03	8.0E-02		2.2E-03	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Chloromethane	74-87-3	T		U	2.00E-03			1.9E-01	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	2-Chlorotoluene	95-49-8	T		U	1.00E-03	4.0E-01		2.4E-01	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	4-Chlorotoluene	106-43-4	T		U	1.00E-03	4.0E-01		2.5E-01	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Cumene	98-82-8	T		U	1.00E-03	2.0E+00		4.5E-01	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	p-Cymene	99-87-6	T		U	1.00E-03				
MW-214	HRP-MW214-211026	N	10/26/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Dibromochloromethane	124-48-1	T		U	5.00E-04	8.0E-02		8.7E-03	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	1,2-Dibromoethane	106-93-4	T		U	5.00E-04	5.0E-05		7.5E-05	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Dibromomethane	74-95-3	T		U	1.00E-03			8.3E-03	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6	T		U	2.00E-03			1.3E-05	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	1,2-Dichlorobenzene	95-50-1	T		U	1.00E-03	6.0E-01		3.0E-01	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	1,3-Dichlorobenzene	541-73-1	T		U	1.00E-03	1.4E-01		4.8E-03	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	1,4-Dichlorobenzene	106-46-7	T		U	1.00E-03	7.5E-02		4.8E-03	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Dichlorodifluoromethane	75-71-8	T		U	2.00E-03	4.0E+00		2.0E-01	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	1,2-Dichloroethane	107-06-2	T		U	1.00E-03	5.0E-03		1.7E-03	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	1,3-Dichloropropane	142-28-9	T		U	5.00E-04	4.0E-01		3.7E-01	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	2,2-Dichloropropane	594-20-7	T		U	1.00E-03				
MW-214	HRP-MW214-211026	N	10/26/21	VOC	1,1-Dichloropropene	563-58-6	T		U	2.00E-03				
MW-214	HRP-MW214-211026	N	10/26/21	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	5.00E-04	7.8E-03		4.7E-03	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	1,4-Dioxane	123-91-1	T		U	5.00E-02	7.8E-03		4.6E-03	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Ethyl tert-butyl ether	637-92-3	T		U	5.00E-04	2.0E+01		7.0E-01	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Diethyl ether	60-29-7	T		U	2.00E-03	4.0E+00		3.9E+00	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Methyl Acetate	79-20-9	T		U	1.00E-03	2.0E+01		2.0E+01	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Methylcyclohexane	108-87-2	T		U	1.00E-03			1.3E+01	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Methylene Chloride	75-09-2	T		U	5.00E-03	5.0E-03		1.1E-01	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Diisopropyl ether	108-20-3	T		U	5.00E-04			1.5E+00	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	n-Propylbenzene	103-65-1	T		U	1.00E-03	2.0E+00		6.6E-01	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Styrene	100-42-5	T		U	1.00E-03	1.0E-01		1.2E+00	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	tert-Butyl alcohol	75-65-0	T		U	2.00E-02	1.6E+00		1.5E+00	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6	T		U	1.00E-03	3.0E-02		5.7E-03	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	5.00E-04	3.9E-03		7.6E-04	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Tetrachloroethene	127-18-4	T		U	1.00E-03	5.0E-03		4.1E-02	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Tetrahydrofuran	109-99-9	T		U	1.00E-02	1.8E+01		3.4E+00	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	1,2,3-Trichlorobenzene	87-61-6	T		U	5.00E-03	1.6E-02		7.0E-03	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-214	HRP-MW214-211026	N	10/26/21	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	1.00E-03	7.0E-02		4.0E-03	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	1,3,5-Trichlorobenzene	108-70-3	T		U	1.00E-03				
MW-214	HRP-MW214-211026	N	10/26/21	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Trichlorofluoromethane	75-69-4	T		U	2.00E-03	6.0E+00		5.2E+00	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	1,2,3-Trichloropropane	96-18-4	T		U	2.00E-03	8.4E-06		7.5E-06	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-03	6.0E+02		1.0E+01	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	1,2,4-Trimethylbenzene	95-63-6	T		U	1.00E-03	2.0E-01		5.6E-02	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	1,3,5-Trimethylbenzene	108-67-8	T		U	1.00E-03	2.0E-01		6.0E-02	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Vinyl Chloride	75-01-4	T		U	2.00E-03	2.0E-03		1.9E-04	
MW-214	HRP-MW214-211026	N	10/26/21	VOC	Xylenes (total)	1330-20-7	T		U	2.00E-03	1.0E+01		1.9E-01	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Acenaphthene	83-32-9	T		U	4.80E-03	1.2E+00		5.3E-01	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Acenaphthylene	208-96-8	T		U	4.80E-03	6.0E-01		1.2E-01	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Acetophenone	98-86-2	T		U	9.60E-03	2.0E+00		1.9E+00	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	t-Amyl methyl ether	994-05-8	T		U	5.00E-04				
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Aniline	62-53-3	T		U	4.80E-03	1.4E-01		1.3E-01	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Anthracene	120-12-7	T		U	4.80E-03	6.0E+00		1.8E+00	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Benzidine	92-87-5	T		U	1.90E-02	1.1E-06		1.1E-06	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Benzo(a)anthracene	56-55-3	T		U	4.80E-03	2.5E-03		3.0E-04	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Benzo(a)pyrene	50-32-8	T		U	4.80E-03	2.0E-04		2.5E-04	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	4.80E-03	2.5E-03		2.5E-03	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	4.80E-03	6.0E-01		1.2E-01	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	4.80E-03	2.5E-02		2.5E-02	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Benzoic Acid	65-85-0	T		U	9.60E-03	8.0E+01		7.5E+01	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	9.60E-03	6.0E-02		5.9E-02	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	9.60E-03	7.1E-04		1.4E-04	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	9.60E-03	6.0E-03		5.6E-02	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	9.60E-03				
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Butylbenzylphthalate	85-68-7	T		U	9.60E-03	4.1E-01		1.6E-01	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Carbazole	86-74-8	T		U	9.60E-03	8.0E-01		2.9E-01	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	9.60E-03	2.0E+00		1.4E+00	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	4-Chloroaniline	106-47-8	T		U	9.60E-03	3.9E-03		3.7E-03	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	2-Chloronaphthalene	91-58-7	T		U	9.60E-03	1.6E+00		7.5E-01	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	2-Chlorophenol	95-57-8	T		U	9.60E-03	1.0E-01		9.1E-02	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	9.60E-03				
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Chrysene	218-01-9	T		U	4.80E-03	2.5E-01		2.5E-01	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	4.80E-03	2.5E-04		2.5E-04	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Dibenzofuran	132-64-9	T		U	4.80E-03	2.0E-02		7.9E-03	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	9.60E-03	1.7E-03		1.3E-03	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	2,4-Dichlorophenol	120-83-2	T		U	9.60E-03	6.0E-02		4.6E-02	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Diethylphthalate	84-66-2	T		U	9.60E-03	1.6E+01		1.5E+01	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	2,4-Dimethylphenol	105-67-9	T		U	9.60E-03	4.0E-01		3.6E-01	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Dimethylphthalate	131-11-3	T		U	9.60E-03	1.6E+01		1.5E+01	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Di-n-butylphthalate	84-74-2	T		U	9.60E-03	2.0E+00		9.0E-01	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	9.60E-03	1.6E-03		1.5E-03	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	2,4-Dinitrophenol	51-28-5	T		U	9.60E-03	4.0E-02		3.9E-02	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Di-n-octylphthalate	117-84-0	T		U	9.60E-03	2.0E-01		2.0E-01	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	1,2-Diphenylhydrazine	122-66-7	T		U	9.60E-03	9.7E-04		7.8E-04	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Fluoranthene	206-44-0	T		U	4.80E-03	8.0E-01		8.0E-01	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Fluorene	86-73-7	T		U	4.80E-03	8.0E-01		2.9E-01	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Hexachlorobenzene	118-74-1	T		U	9.60E-03	1.0E-03		9.8E-05	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Hexachlorobutadiene	87-68-3	T		U	6.00E-04	1.0E-02		1.4E-03	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	9.60E-03	5.0E-02		4.1E-04	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Hexachloroethane	67-72-1	T		U	9.60E-03	1.4E-02		3.3E-03	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	4.80E-03	2.5E-03		2.5E-03	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Isophorone	78-59-1	T		U	9.60E-03	8.2E-01		7.8E-01	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	1-Methylnaphthalene	90-12-0	T		U	4.80E-03	2.7E-02		1.1E-02	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	2-Methylnaphthalene	91-57-6	T		U	4.80E-03	8.0E-02		3.6E-02	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	2-Methylphenol	95-48-7	T		U	9.60E-03	1.0E+00		9.3E-01	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	3&4-Methylphenol	65794-96-9	T		U	9.60E-03				
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Naphthalene	91-20-3	T		U	2.00E-03	6.5E-03		1.2E-03	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	2-Nitroaniline	88-74-4	T		U	9.60E-03	2.0E-01		1.9E-01	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	3-Nitroaniline	99-09-2	T		U	9.60E-03	3.9E-02		3.8E-02	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	4-Nitroaniline	100-01-6	T		U	9.60E-03	3.9E-02		3.8E-02	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	2-Nitrophenol	88-75-5	T		U	9.60E-03				
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	4-Nitrophenol	100-02-7	T		U	9.60E-03				
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	N-Nitrosodimethylamine	62-75-9	T		U	9.60E-03	4.9E-06		1.1E-06	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	9.60E-03	1.6E-01		1.2E-01	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	9.60E-03	1.1E-04		1.1E-04	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	9.60E-03	8.0E-01		7.1E-01	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Pentachloronitrobenzene	82-68-8	T		U	9.60E-03	3.0E-03		1.2E-03	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Pentachlorophenol	87-86-5	T		U	9.60E-03	1.0E-03		4.1E-04	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Phenanthrene	85-01-8	T		U	4.80E-03	6.0E-01		1.2E-01	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Phenol	108-95-2	T		U	9.60E-03	6.0E+00		5.8E+00	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Pyrene	129-00-0	T		U	4.80E-03	6.0E-01		1.2E-01	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Pyridine	110-86-1	T		U	4.80E-03	2.0E-02		2.0E-02	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3	T		U	9.60E-03	6.0E-04		1.7E-04	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	9.60E-03	2.0E+00		1.2E+00	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	9.60E-03	2.0E-02		1.2E-02	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	9.60E-03	2.5E-03		2.4E-03	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	9.60E-03	5.2E-04		4.9E-04	
MW-214	HRP-MW214-211026	N	10/26/21	SVOC	Nitrobenzene	98-95-3	T		U	9.60E-03	4.0E-02		1.4E-03	
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Aluminum	7429-90-5	D	2.00E+00		5.00E-02	2.0E+01	1.0E-01	2.0E+01	1.0E-01
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Aluminum	7429-90-5	T	2.20E+00		5.00E-02	2.0E+01	1.1E-01	2.0E+01	1.1E-01
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Antimony	7440-36-0	D		U	1.00E-03	6.0E-03		7.8E-03	
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Antimony	7440-36-0	T		U	1.00E-03	6.0E-03		7.8E-03	
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Arsenic	7440-38-2	D	5.40E-03		8.00E-04	1.0E-02	5.4E-01	5.2E-04	1.0E+01



**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Arsenic	7440-38-2	T	5.10E-03		8.00E-04	1.0E-02	5.1E-01	5.2E-04	9.8E+00
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Barium	7440-39-3	D	4.00E-02		1.00E-02	2.0E+00	2.0E-02	3.8E+00	1.1E-02
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Barium	7440-39-3	T	4.20E-02		1.00E-02	2.0E+00	2.1E-02	3.8E+00	1.1E-02
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Beryllium	7440-41-7	D	1.70E-03		4.00E-04	4.0E-03	4.3E-01	2.5E-02	6.8E-02
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Beryllium	7440-41-7	T	1.60E-03		4.00E-04	4.0E-03	4.0E-01	2.5E-02	6.4E-02
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Cadmium	7440-43-9	D	7.70E-03		2.00E-04	5.0E-03	1.5E+00	1.8E-03	4.3E+00
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Cadmium	7440-43-9	T	7.20E-03		2.00E-04	5.0E-03	1.4E+00	1.8E-03	4.0E+00
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Chromium (total)	7440-47-3	D		U	1.00E-03	1.0E-01		2.2E+01	
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Chromium (total)	7440-47-3	T	1.40E-03		1.00E-03	1.0E-01	1.4E-02	2.2E+01	6.4E-05
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Cobalt	7440-48-4	D	8.30E-01		1.00E-01	6.0E-03	1.4E+02	6.0E-03	1.4E+02
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Cobalt	7440-48-4	T	7.80E-01		1.00E-02	6.0E-03	1.3E+02	6.0E-03	1.3E+02
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Copper	7440-50-8	D	1.60E-02		1.00E-03	1.3E+00	1.2E-02	8.0E-01	2.0E-02
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Copper	7440-50-8	T	1.20E-02		1.00E-03	1.3E+00	9.2E-03	8.0E-01	1.5E-02
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Iron	7439-89-6	D	3.10E-01		5.00E-02	1.4E+01	2.2E-02	1.4E+01	2.2E-02
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Iron	7439-89-6	T	7.30E-01		5.00E-02	1.4E+01	5.2E-02	1.4E+01	5.2E-02
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Lead	7439-92-1	D	1.50E-03		5.00E-04	1.5E-02	1.0E-01	1.5E-02	1.0E-01
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Lead	7439-92-1	T	1.70E-03		5.00E-04	1.5E-02	1.1E-01	1.5E-02	1.1E-01
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Manganese	7439-96-5	D	2.60E+01		1.00E-01	4.8E-01	5.4E+01	4.3E-01	6.0E+01
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Manganese	7439-96-5	T	2.60E+01		1.00E-01	4.8E-01	5.4E+01	4.3E-01	6.0E+01
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Mercury	7439-97-6	D	1.10E-04	J	2.00E-04	2.0E-03	5.5E-02	5.7E-04	1.9E-01
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Mercury	7439-97-6	T	3.30E-04		2.00E-04	2.0E-03	1.7E-01	5.7E-04	5.8E-01
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Nickel	7440-02-0	D	1.90E-01	B	5.00E-03	4.0E-01	4.8E-01	3.9E-01	4.9E-01
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Nickel	7440-02-0	T	1.90E-01		5.00E-03	4.0E-01	4.8E-01	3.9E-01	4.9E-01
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Selenium	7782-49-2	D	1.80E-02		5.00E-03	5.0E-02	3.6E-01	1.0E-01	1.8E-01
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Selenium	7782-49-2	T	1.80E-02		5.00E-03	5.0E-02	3.6E-01	1.0E-01	1.8E-01
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Silver	7440-22-4	D		U	2.00E-04	1.0E-01		9.4E-02	
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Silver	7440-22-4	T	4.30E-05	J	2.00E-04	1.0E-01	4.3E-04	9.4E-02	4.6E-04
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Thallium	7440-28-0	D	8.80E-05	J	2.00E-04	2.0E-03	4.4E-02	2.0E-04	4.4E-01
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Thallium	7440-28-0	T	9.70E-05	J	2.00E-04	2.0E-03	4.9E-02	2.0E-04	4.9E-01
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Vanadium	7440-62-2	D		U	5.00E-03	1.0E-01		8.6E-02	
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Vanadium	7440-62-2	T		U	5.00E-03	1.0E-01		8.6E-02	
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Zinc	7440-66-6	D	3.50E-01		1.00E-02	6.0E+00	5.8E-02	6.0E+00	5.8E-02
MW-214	HRP-MW214-211026	N	10/26/21	INORG	Zinc	7440-66-6	T	3.80E-01		1.00E-02	6.0E+00	6.3E-02	6.0E+00	6.3E-02
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Acetone	67-64-1	T		U	5.00E-02	1.8E+01		1.8E+01	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Acrylonitrile	107-13-1	T		U	5.00E-03	1.4E-03		5.2E-04	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Bromobenzene	108-86-1	T		U	1.00E-03	1.6E-01		6.2E-02	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Bromochloromethane	74-97-5	T		U	1.00E-03			8.3E-02	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Bromodichloromethane	75-27-4	T		U	5.00E-04	8.0E-02		1.3E-03	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Bromofom	75-25-2	T		U	1.00E-03	8.0E-02		3.3E-02	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Bromomethane	74-83-9	T		U	2.00E-03	2.8E-02		7.5E-03	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	2-Butanone	78-93-3	T		U	2.00E-02	1.2E+01		5.6E+00	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	n-Butylbenzene	104-51-8	T		U	1.00E-03	1.0E+00		1.0E+00	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	sec-Butylbenzene	135-98-8	T		U	1.00E-03	2.0E+00		2.0E+00	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-221	HRP-MW221-211027	N	10/27/21	VOC	tert-Butylbenzene	98-06-6	T		U	1.00E-03	2.0E+00		6.9E-01	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Carbon Tetrachloride	56-23-5	T		U	5.00E-03	5.0E-03		4.6E-03	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Chloroethane	75-00-3	T		U	2.00E-03			8.3E+00	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Chloroform	67-66-3	T		U	2.00E-03	8.0E-02		2.2E-03	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Chloromethane	74-87-3	T		U	2.00E-03			1.9E-01	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	2-Chlorotoluene	95-49-8	T		U	1.00E-03	4.0E-01		2.4E-01	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	4-Chlorotoluene	106-43-4	T		U	1.00E-03	4.0E-01		2.5E-01	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Cumene	98-82-8	T		U	1.00E-03	2.0E+00		4.5E-01	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	p-Cymene	99-87-6	T	2.20E-03		1.00E-03				
MW-221	HRP-MW221-211027	N	10/27/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Dibromochloromethane	124-48-1	T		U	5.00E-04	8.0E-02		8.7E-03	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	1,2-Dibromoethane	106-93-4	T		U	5.00E-04	5.0E-05		7.5E-05	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Dibromomethane	74-95-3	T		U	1.00E-03			8.3E-03	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6	T		U	2.00E-03			1.3E-05	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	1,2-Dichlorobenzene	95-50-1	T		U	1.00E-03	6.0E-01		3.0E-01	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	1,3-Dichlorobenzene	541-73-1	T		U	1.00E-03	1.4E-01		4.8E-03	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	1,4-Dichlorobenzene	106-46-7	T		U	1.00E-03	7.5E-02		4.8E-03	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Dichlorodifluoromethane	75-71-8	T		U	2.00E-03	4.0E+00		2.0E-01	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	1,2-Dichloroethane	107-06-2	T		U	1.00E-03	5.0E-03		1.7E-03	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	1,1-Dichloroethene	75-35-4	T	3.70E-04	J	1.00E-03	7.0E-03	5.3E-02	2.8E-01	1.3E-03
MW-221	HRP-MW221-211027	N	10/27/21	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	1,3-Dichloropropane	142-28-9	T		U	5.00E-04	4.0E-01		3.7E-01	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	2,2-Dichloropropane	594-20-7	T		U	1.00E-03				
MW-221	HRP-MW221-211027	N	10/27/21	VOC	1,1-Dichloropropene	563-58-6	T		U	2.00E-03				
MW-221	HRP-MW221-211027	N	10/27/21	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	5.00E-04	7.8E-03		4.7E-03	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	1,4-Dioxane	123-91-1	T		U	5.00E-02	7.8E-03		4.6E-03	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Ethyl tert-butyl ether	637-92-3	T		U	5.00E-04	2.0E+01		7.0E-01	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Diethyl ether	60-29-7	T		U	2.00E-03	4.0E+00		3.9E+00	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Methyl Acetate	79-20-9	T		U	1.00E-03	2.0E+01		2.0E+01	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Methylcyclohexane	108-87-2	T		U	1.00E-03			1.3E+01	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Methylene Chloride	75-09-2	T		U	5.00E-03	5.0E-03		1.1E-01	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Diisopropyl ether	108-20-3	T		U	5.00E-04			1.5E+00	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	n-Propylbenzene	103-65-1	T		U	1.00E-03	2.0E+00		6.6E-01	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Styrene	100-42-5	T		U	1.00E-03	1.0E-01		1.2E+00	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	tert-Butyl alcohol	75-65-0	T		U	2.00E-02	1.6E+00		1.5E+00	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-221	HRP-MW221-211027	N	10/27/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6	T		U	1.00E-03	3.0E-02		5.7E-03	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	5.00E-04	3.9E-03		7.6E-04	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Tetrachloroethene	127-18-4	T		U	1.00E-03	5.0E-03		4.1E-02	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Tetrahydrofuran	109-99-9	T		U	1.00E-02	1.8E+01		3.4E+00	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	1,2,3-Trichlorobenzene	87-61-6	T		U	5.00E-03	1.6E-02		7.0E-03	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	1.00E-03	7.0E-02		4.0E-03	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	1,3,5-Trichlorobenzene	108-70-3	T		U	1.00E-03				
MW-221	HRP-MW221-211027	N	10/27/21	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Trichlorofluoromethane	75-69-4	T		U	2.00E-03	6.0E+00		5.2E+00	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	1,2,3-Trichloropropane	96-18-4	T		U	2.00E-03	8.4E-06		7.5E-06	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-03	6.0E+02		1.0E+01	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	1,2,4-Trimethylbenzene	95-63-6	T		U	1.00E-03	2.0E-01		5.6E-02	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	1,3,5-Trimethylbenzene	108-67-8	T		U	1.00E-03	2.0E-01		6.0E-02	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Vinyl Chloride	75-01-4	T		U	2.00E-03	2.0E-03		1.9E-04	
MW-221	HRP-MW221-211027	N	10/27/21	VOC	Xylenes (total)	1330-20-7	T		U	2.00E-03	1.0E+01		1.9E-01	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Acenaphthene	83-32-9	T	7.80E-04	J	5.30E-03	1.2E+00	6.5E-04	5.3E-01	1.5E-03
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Acenaphthylene	208-96-8	T		U	5.30E-03	6.0E-01		1.2E-01	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Acetophenone	98-86-2	T		U	1.10E-02	2.0E+00		1.9E+00	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	t-Amyl methyl ether	994-05-8	T		U	5.00E-04				
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Aniline	62-53-3	T		U	5.30E-03	1.4E-01		1.3E-01	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Anthracene	120-12-7	T		U	5.30E-03	6.0E+00		1.8E+00	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Benzo(a)anthracene	92-87-5	T		U	2.10E-02	1.1E-06		1.1E-06	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Benzo(a)pyrene	56-55-3	T		U	5.30E-03	2.5E-03		3.0E-04	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Benzo(a)pyrene	50-32-8	T		U	5.30E-03	2.0E-04		2.5E-04	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	5.30E-03	2.5E-03		2.5E-03	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	5.30E-03	6.0E-01		1.2E-01	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	5.30E-03	2.5E-02		2.5E-02	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Benzoic Acid	65-85-0	T		U	1.10E-02	8.0E+01		7.5E+01	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	1.10E-02	6.0E-02		5.9E-02	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	1.10E-02	7.1E-04		1.4E-04	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.10E-02	6.0E-03		5.6E-02	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	1.10E-02				
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Butylbenzylphthalate	85-68-7	T		U	1.10E-02	4.1E-01		1.6E-01	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Carbazole	86-74-8	T		U	1.10E-02	8.0E-01		2.9E-01	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	1.10E-02	2.0E+00		1.4E+00	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	4-Chloroaniline	106-47-8	T		U	1.10E-02	3.9E-03		3.7E-03	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.10E-02	1.6E+00		7.5E-01	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	2-Chlorophenol	95-57-8	T		U	1.10E-02	1.0E-01		9.1E-02	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	1.10E-02				
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Chrysene	218-01-9	T		U	5.30E-03	2.5E-01		2.5E-01	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	5.30E-03	2.5E-04		2.5E-04	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Dibenzofuran	132-64-9	T		U	5.30E-03	2.0E-02		7.9E-03	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.10E-02	1.7E-03		1.3E-03	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	2,4-Dichlorophenol	120-83-2	T		U	1.10E-02	6.0E-02		4.6E-02	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Diethylphthalate	84-66-2	T		U	1.10E-02	1.6E+01		1.5E+01	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.10E-02	4.0E-01		3.6E-01	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Dimethylphthalate	131-11-3	T		U	1.10E-02	1.6E+01		1.5E+01	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Di-n-butylphthalate	84-74-2	T		U	1.10E-02	2.0E+00		9.0E-01	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	1.10E-02	1.6E-03		1.5E-03	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	2,4-Dinitrophenol	51-28-5	T		U	1.10E-02	4.0E-02		3.9E-02	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.10E-02	2.0E-01		2.0E-01	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	1,2-Diphenylhydrazine	122-66-7	T		U	1.10E-02	9.7E-04		7.8E-04	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Fluoranthene	206-44-0	T		U	5.30E-03	8.0E-01		8.0E-01	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Fluorene	86-73-7	T		U	5.30E-03	8.0E-01		2.9E-01	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Hexachlorobenzene	118-74-1	T		U	1.10E-02	1.0E-03		9.8E-05	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Hexachlorobutadiene	87-68-3	T		U	6.00E-04	1.0E-02		1.4E-03	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.10E-02	5.0E-02		4.1E-04	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Hexachloroethane	67-72-1	T		U	1.10E-02	1.4E-02		3.3E-03	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	5.30E-03	2.5E-03		2.5E-03	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Isophorone	78-59-1	T		U	1.10E-02	8.2E-01		7.8E-01	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	1-Methylnaphthalene	90-12-0	T		U	5.30E-03	2.7E-02		1.1E-02	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	2-Methylnaphthalene	91-57-6	T		U	5.30E-03	8.0E-02		3.6E-02	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	2-Methylphenol	95-48-7	T		U	1.10E-02	1.0E+00		9.3E-01	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	3&4-Methylphenol	65794-96-9	T		U	1.10E-02				
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Naphthalene	91-20-3	T		U	2.00E-03	6.5E-03		1.2E-03	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	2-Nitroaniline	88-74-4	T		U	1.10E-02	2.0E-01		1.9E-01	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	3-Nitroaniline	99-09-2	T		U	1.10E-02	3.9E-02		3.8E-02	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	4-Nitroaniline	100-01-6	T		U	1.10E-02	3.9E-02		3.8E-02	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	2-Nitrophenol	88-75-5	T		U	1.10E-02				
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	4-Nitrophenol	100-02-7	T		U	1.10E-02				
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	N-Nitrosodimethylamine	62-75-9	T		U	1.10E-02	4.9E-06		1.1E-06	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	1.10E-02	1.6E-01		1.2E-01	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	1.10E-02	1.1E-04		1.1E-04	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	1.10E-02	8.0E-01		7.1E-01	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Pentachloronitrobenzene	82-68-8	T		U	1.10E-02	3.0E-03		1.2E-03	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Pentachlorophenol	87-86-5	T		U	1.10E-02	1.0E-03		4.1E-04	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Phenanthrene	85-01-8	T		U	5.30E-03	6.0E-01		1.2E-01	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Phenol	108-95-2	T		U	1.10E-02	6.0E+00		5.8E+00	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Pyrene	129-00-0	T		U	5.30E-03	6.0E-01		1.2E-01	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Pyridine	110-86-1	T		U	5.30E-03	2.0E-02		2.0E-02	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3	T		U	1.10E-02	6.0E-04		1.7E-04	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	1.10E-02	2.0E+00		1.2E+00	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	1.10E-02	2.0E-02		1.2E-02	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	1.10E-02	2.5E-03		2.4E-03	
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	1.10E-02	5.2E-04		4.9E-04	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-221	HRP-MW221-211027	N	10/27/21	SVOC	Nitrobenzene	98-95-3	T		U	1.10E-02	4.0E-02		1.4E-03	
MW-25	MW-25/RW-25_02/19/20	N	02/19/20	INORG	Iron	7439-89-6	T	2.75E+01		2.00E+00	1.4E+01	2.0E+00	1.4E+01	2.0E+00
MW-25	MW-25/RW-25_02/19/20	N	02/19/20	INORG	Manganese	7439-96-5	T	2.88E+00		1.00E-02	4.8E-01	6.0E+00	4.3E-01	6.7E+00
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	Acetone	67-64-1	T	3.00E-03	J	2.00E-02	1.8E+01	1.7E-04	1.8E+01	1.7E-04
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	Bromodichloromethane	75-27-4	T		U	1.00E-03	8.0E-02		1.3E-03	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	Bromoform	75-25-2	T		U	5.00E-03	8.0E-02		3.3E-02	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	Bromomethane	74-83-9	T		U	1.00E-03	2.8E-02		7.5E-03	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	2-Butanone	78-93-3	T		U	1.00E-02	1.2E+01		5.6E+00	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	Carbon Tetrachloride	56-23-5	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	Chloroethane	75-00-3	T		U	1.00E-03			8.3E+00	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	Chloroform	67-66-3	T		U	1.00E-03	8.0E-02		2.2E-03	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	Chloromethane	74-87-3	T		U	1.00E-03			1.9E-01	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	Cumene	98-82-8	T		U	5.00E-03	2.0E+00		4.5E-01	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	Cyclohexane	110-82-7	T		U	5.00E-03			1.3E+01	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	Dibromochloromethane	124-48-1	T		U	1.00E-03	8.0E-02		8.7E-03	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	1,2-Dichlorobenzene	95-50-1	T		U	5.00E-03	6.0E-01		3.0E-01	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	1,3-Dichlorobenzene	541-73-1	T		U	5.00E-03	1.4E-01		4.8E-03	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	1,4-Dichlorobenzene	106-46-7	T		U	5.00E-03	7.5E-02		4.8E-03	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	Dichlorodifluoromethane	75-71-8	T		U	1.00E-03	4.0E+00		2.0E-01	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	1.00E-03	7.8E-03		4.7E-03	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	Methyl Acetate	79-20-9	T		U	5.00E-03	2.0E+01		2.0E+01	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	Methylcyclohexane	108-87-2	T		U	5.00E-03			1.3E+01	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	Methylene Chloride	75-09-2	T		U	1.00E-03	5.0E-03		1.1E-01	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	Styrene	100-42-5	T		U	5.00E-03	1.0E-01		1.2E+00	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	1.00E-03	3.9E-03		7.6E-04	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	Tetrachloroethene	127-18-4	T		U	1.00E-03	5.0E-03		4.1E-02	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	5.00E-03	7.0E-02		4.0E-03	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	Trichlorofluoromethane	75-69-4	T		U	1.00E-03	6.0E+00		5.2E+00	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-02	6.0E+02		1.0E+01	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	Vinyl Chloride	75-01-4	T		U	1.00E-03	2.0E-03		1.9E-04	
MW-25	MW/RW-25_05/11/20	N	05/11/20	VOC	Xylenes (total)	1330-20-7	T		U	5.00E-03	1.0E+01		1.9E-01	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Acenaphthene	83-32-9	T		U	5.00E-04	1.2E+00		5.3E-01	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Acenaphthylene	208-96-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Acetophenone	98-86-2	T		U	1.00E-02	2.0E+00		1.9E+00	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Anthracene	120-12-7	T		U	5.00E-04	6.0E+00		1.8E+00	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Atrazine	1912-24-9	T		U	5.00E-03	3.0E-03		3.0E-03	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Benzaldehyde	100-52-7	T		U	1.00E-02	1.9E-01		1.9E-01	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	5.00E-04	2.5E-03		3.0E-04	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	5.00E-04	2.0E-04		2.5E-04	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	5.00E-04	2.5E-02		2.5E-02	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-02	9.7E-02		8.3E-04	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	2.00E-03	6.0E-02		5.9E-02	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	2.00E-03	7.1E-04		1.4E-04	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.10E-02	6.0E-03		5.6E-02	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	2.00E-03				
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Butylbenzylphthalate	85-68-7	T		U	5.00E-03	4.1E-01		1.6E-01	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Caprolactam	105-60-2	T		U	1.10E-02	1.0E+01		9.9E+00	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Carbazole	86-74-8	T		U	2.00E-03	8.0E-01		2.9E-01	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	4.00E-03	2.0E+00		1.4E+00	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	4-Chloroaniline	106-47-8	T		U	1.00E-02	3.9E-03		3.7E-03	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-03	1.6E+00		7.5E-01	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	2-Chlorophenol	95-57-8	T		U	2.00E-03	1.0E-01		9.1E-02	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	2.00E-03				
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Chrysene	218-01-9	T		U	5.00E-04	2.5E-01		2.5E-01	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	5.00E-04	2.5E-04		2.5E-04	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-03	2.0E-02		7.9E-03	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.00E-02	1.7E-03		1.3E-03	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	2,4-Dichlorophenol	120-83-2	T		U	2.00E-03	6.0E-02		4.6E-02	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Diethylphthalate	84-66-2	T		U	5.00E-03	1.6E+01		1.5E+01	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.00E-02	4.0E-01		3.6E-01	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Dimethylphthalate	131-11-3	T		U	5.00E-03	1.6E+01		1.5E+01	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Di-n-butylphthalate	84-74-2	T		U	5.00E-03	2.0E+00		9.0E-01	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	2.10E-02	1.6E-03		1.5E-03	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	2,4-Dinitrophenol	51-28-5	T		U	3.00E-02	4.0E-02		3.9E-02	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.10E-02	2.0E-01		2.0E-01	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Fluoranthene	206-44-0	T		U	5.00E-04	8.0E-01		8.0E-01	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Fluorene	86-73-7	T		U	5.00E-04	8.0E-01		2.9E-01	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Hexachlorobenzene	118-74-1	T		U	5.00E-04	1.0E-03		9.8E-05	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Hexachlorobutadiene	87-68-3	T		U	2.00E-03	1.0E-02		1.4E-03	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.10E-02	5.0E-02		4.1E-04	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Hexachloroethane	67-72-1	T		U	5.00E-03	1.4E-02		3.3E-03	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Isophorone	78-59-1	T		U	2.00E-03	8.2E-01		7.8E-01	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	5.00E-04	8.0E-02		3.6E-02	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	2-Methylphenol	95-48-7	T		U	2.00E-03	1.0E+00		9.3E-01	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	4-Methylphenol	106-44-5	T		U	2.00E-03	4.0E-01		3.7E-01	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Naphthalene	91-20-3	T		U	5.00E-04	6.5E-03		1.2E-03	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	2-Nitroaniline	88-74-4	T		U	7.00E-03	2.0E-01		1.9E-01	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	3-Nitroaniline	99-09-2	T		U	7.00E-03	3.9E-02		3.8E-02	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	4-Nitroaniline	100-01-6	T		U	3.00E-03	3.9E-02		3.8E-02	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	2-Nitrophenol	88-75-5	T		U	1.00E-02				
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	4-Nitrophenol	100-02-7	T		U	3.00E-02				
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	3.00E-03	1.6E-01		1.2E-01	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	3.00E-03	1.1E-04		1.1E-04	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	2.00E-03	8.0E-01		7.1E-01	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Pentachlorophenol	87-86-5	T		U	5.00E-03	1.0E-03		4.1E-04	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Phenanthrene	85-01-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Phenol	108-95-2	T		U	2.00E-03	6.0E+00		5.8E+00	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Pyrene	129-00-0	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	2.00E-03	2.0E+00		1.2E+00	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	2.00E-03	2.0E-02		1.2E-02	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	5.00E-03	2.5E-03		2.4E-03	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	2.00E-03	5.2E-04		4.9E-04	
MW-25	MW-25/RW-25_05/11/20	N	05/11/20	SVOC	Nitrobenzene	98-95-3	T		U	2.00E-03	4.0E-02		1.4E-03	
MW-25	MW/RW-25_05/11/20	N	05/11/20	INORG	Antimony	7440-36-0	T		U	5.00E-02	6.0E-03		7.8E-03	
MW-25	MW/RW-25_05/11/20	N	05/11/20	INORG	Arsenic	7440-38-2	T		U	3.00E-02	1.0E-02		5.2E-04	
MW-25	MW/RW-25_05/11/20	N	05/11/20	INORG	Barium	7440-39-3	T	2.94E-02		5.00E-03	2.0E+00	1.5E-02	3.8E+00	7.7E-03
MW-25	MW/RW-25_05/11/20	N	05/11/20	INORG	Beryllium	7440-41-7	T		U	5.00E-03	4.0E-03		2.5E-02	
MW-25	MW/RW-25_05/11/20	N	05/11/20	INORG	Cadmium	7440-43-9	T		U	5.00E-03	5.0E-03		1.8E-03	
MW-25	MW/RW-25_05/11/20	N	05/11/20	INORG	Chromium (total)	7440-47-3	T		U	1.50E-02	1.0E-01		2.2E+01	
MW-25	MW/RW-25_05/11/20	N	05/11/20	INORG	Cobalt	7440-48-4	T	1.98E-02		5.00E-03	6.0E-03	3.3E+00	6.0E-03	3.3E+00
MW-25	MW/RW-25_05/11/20	N	05/11/20	INORG	Copper	7440-50-8	T		U	2.00E-02	1.3E+00		8.0E-01	
MW-25	MW/RW-25_05/11/20	N	05/11/20	INORG	Iron	7439-89-6	T	2.20E+01		2.00E+00	1.4E+01	1.6E+00	1.4E+01	1.6E+00
MW-25	MW/RW-25_05/11/20	N	05/11/20	INORG	Lead	7439-92-1	T		U	1.50E-02	1.5E-02		1.5E-02	
MW-25	MW/RW-25_05/11/20	N	05/11/20	INORG	Manganese	7439-96-5	T	2.39E+00		1.00E-02	4.8E-01	5.0E+00	4.3E-01	5.6E+00
MW-25	MW/RW-25_05/11/20	N	05/11/20	INORG	Mercury	7439-97-6	T	6.00E-05	J	2.00E-04	2.0E-03	3.0E-02	5.7E-04	1.1E-01
MW-25	MW/RW-25_05/11/20	N	05/11/20	INORG	Molybdenum	7439-98-7	T		U	1.00E-02	1.0E-01		1.0E-01	
MW-25	MW/RW-25_05/11/20	N	05/11/20	INORG	Nickel	7440-02-0	T	1.40E-02		1.00E-02	4.0E-01	3.5E-02	3.9E-01	3.6E-02
MW-25	MW/RW-25_05/11/20	N	05/11/20	INORG	Selenium	7782-49-2	T		U	5.00E-02	5.0E-02		1.0E-01	
MW-25	MW/RW-25_05/11/20	N	05/11/20	INORG	Silver	7440-22-4	T		U	1.00E-02	1.0E-01		9.4E-02	
MW-25	MW/RW-25_05/11/20	N	05/11/20	INORG	Thallium	7440-28-0	T		U	3.00E-02	2.0E-03		2.0E-04	



**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-25	MW/RW-25_05/11/20	N	05/11/20	INORG	Vanadium	7440-62-2	T		U	1.00E-02	1.0E-01		8.6E-02	
MW-25	MW/RW-25_05/11/20	N	05/11/20	INORG	Zinc	7440-66-6	T	9.50E-03	J	2.00E-02	6.0E+00	1.6E-03	6.0E+00	1.6E-03
MW-25	410-33859-1_MW-25	N	03/25/21	SVOC	Naphthalene	91-20-3	T		U	8.20E-04	6.5E-03		1.2E-03	
MW-25	MW-25-03252021	N	03/25/21	SVOC	Naphthalene	91-20-3	T		U	3.10E-04	6.5E-03		1.2E-03	
MW-25	HRP-MW25-211028	N	10/28/21	SVOC	Naphthalene	91-20-3	T		U	6.40E-04	6.5E-03		1.2E-03	
MW-25	HRP-MW-25-220504	N	05/04/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
MW-25	HRP-MW25-221019	N	10/19/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	Acetone	67-64-1	T		U	1.00E-01	1.8E+01		1.8E+01	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	Benzene	71-43-2	T	1.00E-03	J	5.00E-03	5.0E-03	2.0E-01	4.6E-03	2.2E-01
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	Bromodichloromethane	75-27-4	T		U	5.00E-03	8.0E-02		1.3E-03	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	Bromoform	75-25-2	T		U	2.50E-02	8.0E-02		3.3E-02	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	Bromomethane	74-83-9	T		U	5.00E-03	2.8E-02		7.5E-03	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	2-Butanone	78-93-3	T		U	5.00E-02	1.2E+01		5.6E+00	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	Carbon Disulfide	75-15-0	T		U	2.50E-02	2.0E+00		8.1E-01	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	Carbon Tetrachloride	56-23-5	T		U	5.00E-03	5.0E-03		4.6E-03	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	Chlorobenzene	108-90-7	T		U	5.00E-03	1.0E-01		7.8E-02	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	Chloroethane	75-00-3	T		U	5.00E-03			8.3E+00	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	Chloroform	67-66-3	T		U	5.00E-03	8.0E-02		2.2E-03	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	Chloromethane	74-87-3	T		U	5.00E-03			1.9E-01	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	Cumene	98-82-8	T		U	2.50E-02	2.0E+00		4.5E-01	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	Cyclohexane	110-82-7	T		U	2.50E-02			1.3E+01	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	2.50E-02	2.0E-04		3.3E-06	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	Dibromochloromethane	124-48-1	T		U	5.00E-03	8.0E-02		8.7E-03	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	1,2-Dibromoethane	106-93-4	T		U	5.00E-03	5.0E-05		7.5E-05	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	1,2-Dichlorobenzene	95-50-1	T		U	2.50E-02	6.0E-01		3.0E-01	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	1,3-Dichlorobenzene	541-73-1	T		U	2.50E-02	1.4E-01		4.8E-03	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	1,4-Dichlorobenzene	106-46-7	T		U	2.50E-02	7.5E-02		4.8E-03	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	Dichlorodifluoromethane	75-71-8	T		U	5.00E-03	4.0E+00		2.0E-01	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	1,1-Dichloroethane	75-34-3	T		U	5.00E-03	1.4E-01		2.8E-02	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	1,2-Dichloroethane	107-06-2	T		U	2.50E-02	5.0E-03		1.7E-03	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	1,1-Dichloroethene	75-35-4	T		U	5.00E-03	7.0E-03		2.8E-01	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	5.00E-03	7.0E-02		2.5E-02	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	5.00E-03	1.0E-01		6.8E-02	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	1,2-Dichloropropane	78-87-5	T		U	5.00E-03	5.0E-03		8.2E-03	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	5.00E-03	7.8E-03		4.7E-03	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	Ethyl Benzene	100-41-4	T		U	5.00E-03	7.0E-01		1.5E-02	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	2-Hexanone	591-78-6	T		U	5.00E-02	1.0E-01		3.8E-02	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	Methyl Acetate	79-20-9	T		U	2.50E-02	2.0E+01		2.0E+01	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	5.00E-03	4.3E-01		1.4E-01	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	4-Methyl-2-pentanone	108-10-1	T		U	5.00E-02			6.3E+00	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	Methylcyclohexane	108-87-2	T		U	2.50E-02			1.3E+01	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	Methylene Chloride	75-09-2	T		U	5.00E-03	5.0E-03		1.1E-01	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	Styrene	100-42-5	T		U	2.50E-02	1.0E-01		1.2E+00	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	5.00E-03	3.9E-03		7.6E-04	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	Tetrachloroethene	127-18-4	T		U	5.00E-03	5.0E-03		4.1E-02	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	Toluene	108-88-3	T		U	5.00E-03	1.0E+00		1.1E+00	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	2.50E-02	7.0E-02		4.0E-03	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	1,1,1-Trichloroethane	71-55-6	T		U	5.00E-03	2.0E-01		8.0E+00	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	1,1,2-Trichloroethane	79-00-5	T		U	5.00E-03	5.0E-03		4.1E-04	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	Trichloroethene	79-01-6	T		U	5.00E-03	5.0E-03		2.8E-03	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	Trichlorofluoromethane	75-69-4	T		U	5.00E-03	6.0E+00		5.2E+00	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	5.00E-02	6.0E+02		1.0E+01	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	Vinyl Chloride	75-01-4	T		U	5.00E-03	2.0E-03		1.9E-04	
MW-25S	MW-25S_05/14/20	N	05/14/20	VOC	Xylenes (total)	1330-20-7	T		U	2.50E-02	1.0E+01		1.9E-01	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Acenaphthene	83-32-9	T		U	5.00E-04	1.2E+00		5.3E-01	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Acenaphthylene	208-96-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Acetophenone	98-86-2	T		U	1.10E-02	2.0E+00		1.9E+00	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Anthracene	120-12-7	T		U	5.00E-04	6.0E+00		1.8E+00	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Atrazine	1912-24-9	T		U	5.00E-03	3.0E-03		3.0E-03	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Benzaldehyde	100-52-7	T		U	1.10E-02	1.9E-01		1.9E-01	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	5.00E-04	2.5E-03		3.0E-04	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	5.00E-04	2.0E-04		2.5E-04	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	5.00E-04	2.5E-02		2.5E-02	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.10E-02	9.7E-02		8.3E-04	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	2.00E-03	6.0E-02		5.9E-02	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	2.00E-03	7.1E-04		1.4E-04	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.20E-02	6.0E-03		5.6E-02	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	2.00E-03				
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Butylbenzylphthalate	85-68-7	T		U	5.00E-03	4.1E-01		1.6E-01	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Caprolactam	105-60-2	T		U	1.20E-02	1.0E+01		9.9E+00	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Carbazole	86-74-8	T		U	2.00E-03	8.0E-01		2.9E-01	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	4.00E-03	2.0E+00		1.4E+00	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	4-Chloroaniline	106-47-8	T		U	1.10E-02	3.9E-03		3.7E-03	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-03	1.6E+00		7.5E-01	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	2-Chlorophenol	95-57-8	T		U	2.00E-03	1.0E-01		9.1E-02	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	2.00E-03				
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Chrysene	218-01-9	T		U	5.00E-04	2.5E-01		2.5E-01	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	5.00E-04	2.5E-04		2.5E-04	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-03	2.0E-02		7.9E-03	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.10E-02	1.7E-03		1.3E-03	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	2,4-Dichlorophenol	120-83-2	T		U	2.00E-03	6.0E-02		4.6E-02	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Diethylphthalate	84-66-2	T		U	5.00E-03	1.6E+01		1.5E+01	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.10E-02	4.0E-01		3.6E-01	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Dimethylphthalate	131-11-3	T		U	5.00E-03	1.6E+01		1.5E+01	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Di-n-butylphthalate	84-74-2	T		U	5.00E-03	2.0E+00		9.0E-01	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	2.20E-02	1.6E-03		1.5E-03	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	2,4-Dinitrophenol	51-28-5	T		U	3.20E-02	4.0E-02		3.9E-02	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.20E-02	2.0E-01		2.0E-01	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Fluoranthene	206-44-0	T		U	5.00E-04	8.0E-01		8.0E-01	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Fluorene	86-73-7	T		U	5.00E-04	8.0E-01		2.9E-01	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Hexachlorobenzene	118-74-1	T		U	5.00E-04	1.0E-03		9.8E-05	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Hexachlorobutadiene	87-68-3	T		U	2.00E-03	1.0E-02		1.4E-03	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.20E-02	5.0E-02		4.1E-04	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Hexachloroethane	67-72-1	T		U	5.00E-03	1.4E-02		3.3E-03	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Isophorone	78-59-1	T		U	2.00E-03	8.2E-01		7.8E-01	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	5.00E-04	8.0E-02		3.6E-02	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	2-Methylphenol	95-48-7	T		U	2.00E-03	1.0E+00		9.3E-01	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	4-Methylphenol	106-44-5	T		U	2.00E-03	4.0E-01		3.7E-01	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Naphthalene	91-20-3	T		U	5.00E-04	6.5E-03		1.2E-03	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	2-Nitroaniline	88-74-4	T		U	7.00E-03	2.0E-01		1.9E-01	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	3-Nitroaniline	99-09-2	T		U	7.00E-03	3.9E-02		3.8E-02	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	4-Nitroaniline	100-01-6	T		U	3.00E-03	3.9E-02		3.8E-02	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	2-Nitrophenol	88-75-5	T		U	1.10E-02				
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	4-Nitrophenol	100-02-7	T		U	3.20E-02				
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	3.00E-03	1.6E-01		1.2E-01	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	3.00E-03	1.1E-04		1.1E-04	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	2.00E-03	8.0E-01		7.1E-01	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Pentachlorophenol	87-86-5	T		U	5.00E-03	1.0E-03		4.1E-04	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Phenanthrene	85-01-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Phenol	108-95-2	T		U	2.00E-03	6.0E+00		5.8E+00	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Pyrene	129-00-0	T	9.00E-04		5.00E-04	6.0E-01	1.5E-03	1.2E-01	7.5E-03
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	2.00E-03	2.0E+00		1.2E+00	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	2.00E-03	2.0E-02		1.2E-02	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	5.00E-03	2.5E-03		2.4E-03	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	2.00E-03	5.2E-04		4.9E-04	
MW-25S	MW-25S_05/14/20	N	05/14/20	SVOC	Nitrobenzene	98-95-3	T		U	2.00E-03	4.0E-02		1.4E-03	
MW-25S	MW-25S_05/14/20	N	05/14/20	INORG	Antimony	7440-36-0	T		U	5.00E-02	6.0E-03		7.8E-03	
MW-25S	MW-25S_05/14/20	N	05/14/20	INORG	Arsenic	7440-38-2	T		U	3.00E-02	1.0E-02		5.2E-04	
MW-25S	MW-25S_05/14/20	N	05/14/20	INORG	Barium	7440-39-3	T	2.04E-01		5.00E-03	2.0E+00	1.0E-01	3.8E+00	5.4E-02
MW-25S	MW-25S_05/14/20	N	05/14/20	INORG	Beryllium	7440-41-7	T		U	5.00E-03	4.0E-03		2.5E-02	
MW-25S	MW-25S_05/14/20	N	05/14/20	INORG	Cadmium	7440-43-9	T	1.60E-03	J	5.00E-03	5.0E-03	3.2E-01	1.8E-03	8.9E-01
MW-25S	MW-25S_05/14/20	N	05/14/20	INORG	Chromium (total)	7440-47-3	T		U	1.50E-02	1.0E-01		2.2E+01	
MW-25S	MW-25S_05/14/20	N	05/14/20	INORG	Cobalt	7440-48-4	T	1.82E-02		5.00E-03	6.0E-03	<b>3.0E+00</b>	6.0E-03	<b>3.0E+00</b>
MW-25S	MW-25S_05/14/20	N	05/14/20	INORG	Copper	7440-50-8	T		U	2.00E-02	1.3E+00		8.0E-01	
MW-25S	MW-25S_05/14/20	N	05/14/20	INORG	Lead	7439-92-1	T		U	1.50E-02	1.5E-02		1.5E-02	
MW-25S	MW-25S_05/14/20	N	05/14/20	INORG	Mercury	7439-97-6	T		U	2.00E-04	2.0E-03		5.7E-04	
MW-25S	MW-25S_05/14/20	N	05/14/20	INORG	Molybdenum	7439-98-7	T		U	1.00E-02	1.0E-01		1.0E-01	
MW-25S	MW-25S_05/14/20	N	05/14/20	INORG	Nickel	7440-02-0	T	1.41E-02		1.00E-02	4.0E-01	3.5E-02	3.9E-01	3.6E-02
MW-25S	MW-25S_05/14/20	N	05/14/20	INORG	Selenium	7782-49-2	T		U	5.00E-02	5.0E-02		1.0E-01	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-25S	MW-25S_05/14/20	N	05/14/20	INORG	Silver	7440-22-4	T		U	1.00E-02	1.0E-01		9.4E-02	
MW-25S	MW-25S_05/14/20	N	05/14/20	INORG	Thallium	7440-28-0	T		U	3.00E-02	2.0E-03		2.0E-04	
MW-25S	MW-25S_05/14/20	N	05/14/20	INORG	Vanadium	7440-62-2	T	7.40E-03	J	1.00E-02	1.0E-01	7.4E-02	8.6E-02	8.6E-02
MW-25S	MW-25S_05/14/20	N	05/14/20	INORG	Zinc	7440-66-6	T	1.14E-01		2.00E-02	6.0E+00	1.9E-02	6.0E+00	1.9E-02
MW-25S	410-33859-1_MW-25S	N	03/25/21	SVOC	Naphthalene	91-20-3	T		U	8.20E-04	6.5E-03		1.2E-03	
MW-25S	MW-25S-03252021	N	03/25/21	SVOC	Naphthalene	91-20-3	T		U	3.10E-04	6.5E-03		1.2E-03	
MW-25S	HRP-MW25S-211028	N	10/28/21	SVOC	Naphthalene	91-20-3	T		U	6.40E-04	6.5E-03		1.2E-03	
MW-25S	HRP-MW-25S-220504	N	05/04/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
MW-25S	HRP-MW25S-221019	N	10/19/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
MW-27	MW-27_02/17/20	N	02/17/20	INORG	Iron	7439-89-6	T	8.24E+01		5.00E+00	1.4E+01	5.9E+00	1.4E+01	5.9E+00
MW-27	MW-27_02/17/20	N	02/17/20	INORG	Manganese	7439-96-5	T	1.33E+01		1.00E-02	4.8E-01	2.8E+01	4.3E-01	3.1E+01
MW-27	MW-27_05/12/20	N	05/12/20	VOC	Acetone	67-64-1	T		U	2.00E-02	1.8E+01		1.8E+01	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	Bromodichloromethane	75-27-4	T		U	1.00E-03	8.0E-02		1.3E-03	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	Bromoform	75-25-2	T		U	5.00E-03	8.0E-02		3.3E-02	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	Bromomethane	74-83-9	T		U	1.00E-03	2.8E-02		7.5E-03	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	2-Butanone	78-93-3	T		U	1.00E-02	1.2E+01		5.6E+00	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	Carbon Tetrachloride	56-23-5	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	Chloroethane	75-00-3	T		U	1.00E-03			8.3E+00	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	Chloroform	67-66-3	T		U	1.00E-03	8.0E-02		2.2E-03	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	Chloromethane	74-87-3	T		U	1.00E-03			1.9E-01	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	Cumene	98-82-8	T		U	5.00E-03	2.0E+00		4.5E-01	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	Cyclohexane	110-82-7	T		U	5.00E-03			1.3E+01	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	Dibromochloromethane	124-48-1	T		U	1.00E-03	8.0E-02		8.7E-03	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	1,2-Dichlorobenzene	95-50-1	T		U	5.00E-03	6.0E-01		3.0E-01	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	1,3-Dichlorobenzene	541-73-1	T		U	5.00E-03	1.4E-01		4.8E-03	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	1,4-Dichlorobenzene	106-46-7	T		U	5.00E-03	7.5E-02		4.8E-03	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	Dichlorodifluoromethane	75-71-8	T		U	1.00E-03	4.0E+00		2.0E-01	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	1.00E-03	7.8E-03		4.7E-03	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	Methyl Acetate	79-20-9	T		U	5.00E-03	2.0E+01		2.0E+01	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-27	MW-27_05/12/20	N	05/12/20	VOC	Methylcyclohexane	108-87-2	T		U	5.00E-03			1.3E+01	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	Methylene Chloride	75-09-2	T		U	1.00E-03	5.0E-03		1.1E-01	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	Styrene	100-42-5	T		U	5.00E-03	1.0E-01		1.2E+00	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	1.00E-03	3.9E-03		7.6E-04	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	Tetrachloroethene	127-18-4	T		U	1.00E-03	5.0E-03		4.1E-02	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	5.00E-03	7.0E-02		4.0E-03	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	Trichlorofluoromethane	75-69-4	T		U	1.00E-03	6.0E+00		5.2E+00	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-02	6.0E+02		1.0E+01	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	Vinyl Chloride	75-01-4	T		U	1.00E-03	2.0E-03		1.9E-04	
MW-27	MW-27_05/12/20	N	05/12/20	VOC	Xylenes (total)	1330-20-7	T		U	5.00E-03	1.0E+01		1.9E-01	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Acenaphthene	83-32-9	T	7.00E-04		5.00E-04	1.2E+00	5.8E-04	5.3E-01	1.3E-03
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Acenaphthylene	208-96-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Acetophenone	98-86-2	T		U	1.00E-02	2.0E+00		1.9E+00	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Anthracene	120-12-7	T		U	5.00E-04	6.0E+00		1.8E+00	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Atrazine	1912-24-9	T		U	5.00E-03	3.0E-03		3.0E-03	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Benzaldehyde	100-52-7	T		U	1.00E-02	1.9E-01		1.9E-01	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	5.00E-04	2.5E-03		3.0E-04	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	5.00E-04	2.0E-04		2.5E-04	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	5.00E-04	2.5E-02		2.5E-02	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-02	9.7E-02		8.3E-04	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	2.00E-03	6.0E-02		5.9E-02	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	2.00E-03	7.1E-04		1.4E-04	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.10E-02	6.0E-03		5.6E-02	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	2.00E-03				
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Butylbenzylphthalate	85-68-7	T		U	5.00E-03	4.1E-01		1.6E-01	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Caprolactam	105-60-2	T		U	1.10E-02	1.0E+01		9.9E+00	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Carbazole	86-74-8	T		U	2.00E-03	8.0E-01		2.9E-01	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	4.00E-03	2.0E+00		1.4E+00	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	4-Chloroaniline	106-47-8	T		U	1.00E-02	3.9E-03		3.7E-03	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-03	1.6E+00		7.5E-01	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	2-Chlorophenol	95-57-8	T		U	2.00E-03	1.0E-01		9.1E-02	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	2.00E-03				
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Chrysene	218-01-9	T		U	5.00E-04	2.5E-01		2.5E-01	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	5.00E-04	2.5E-04		2.5E-04	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-03	2.0E-02		7.9E-03	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.00E-02	1.7E-03		1.3E-03	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	2,4-Dichlorophenol	120-83-2	T		U	2.00E-03	6.0E-02		4.6E-02	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Diethylphthalate	84-66-2	T		U	5.00E-03	1.6E+01		1.5E+01	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.00E-02	4.0E-01		3.6E-01	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Dimethylphthalate	131-11-3	T		U	5.00E-03	1.6E+01		1.5E+01	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Di-n-butylphthalate	84-74-2	T		U	5.00E-03	2.0E+00		9.0E-01	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	2.10E-02	1.6E-03		1.5E-03	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	2,4-Dinitrophenol	51-28-5	T		U	3.00E-02	4.0E-02		3.9E-02	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.10E-02	2.0E-01		2.0E-01	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Fluoranthene	206-44-0	T		U	5.00E-04	8.0E-01		8.0E-01	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Fluorene	86-73-7	T	9.00E-04		5.00E-04	8.0E-01	1.1E-03	2.9E-01	3.1E-03
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Hexachlorobenzene	118-74-1	T		U	5.00E-04	1.0E-03		9.8E-05	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Hexachlorobutadiene	87-68-3	T		U	2.00E-03	1.0E-02		1.4E-03	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.10E-02	5.0E-02		4.1E-04	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Hexachloroethane	67-72-1	T		U	5.00E-03	1.4E-02		3.3E-03	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Isophorone	78-59-1	T		U	2.00E-03	8.2E-01		7.8E-01	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	5.00E-04	8.0E-02		3.6E-02	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	2-Methylphenol	95-48-7	T		U	2.00E-03	1.0E+00		9.3E-01	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	4-Methylphenol	106-44-5	T		U	2.00E-03	4.0E-01		3.7E-01	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Naphthalene	91-20-3	T		U	5.00E-04	6.5E-03		1.2E-03	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	2-Nitroaniline	88-74-4	T		U	7.00E-03	2.0E-01		1.9E-01	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	3-Nitroaniline	99-09-2	T		U	7.00E-03	3.9E-02		3.8E-02	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	4-Nitroaniline	100-01-6	T		U	3.00E-03	3.9E-02		3.8E-02	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	2-Nitrophenol	88-75-5	T		U	1.00E-02				
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	4-Nitrophenol	100-02-7	T		U	3.00E-02				
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	3.00E-03	1.6E-01		1.2E-01	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	3.00E-03	1.1E-04		1.1E-04	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	2.00E-03	8.0E-01		7.1E-01	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Pentachlorophenol	87-86-5	T		U	5.00E-03	1.0E-03		4.1E-04	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Phenanthrene	85-01-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Phenol	108-95-2	T		U	2.00E-03	6.0E+00		5.8E+00	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Pyrene	129-00-0	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	2.00E-03	2.0E+00		1.2E+00	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	2.00E-03	2.0E-02		1.2E-02	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	5.00E-03	2.5E-03		2.4E-03	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	2.00E-03	5.2E-04		4.9E-04	
MW-27	MW-27_05/12/20	N	05/12/20	SVOC	Nitrobenzene	98-95-3	T		U	2.00E-03	4.0E-02		1.4E-03	
MW-27	MW-27_05/12/20	N	05/12/20	INORG	Antimony	7440-36-0	T		U	5.00E-02	6.0E-03		7.8E-03	
MW-27	MW-27_05/12/20	N	05/12/20	INORG	Arsenic	7440-38-2	T		U	3.00E-02	1.0E-02		5.2E-04	
MW-27	MW-27_05/12/20	N	05/12/20	INORG	Barium	7440-39-3	T	3.35E-02		5.00E-03	2.0E+00	1.7E-02	3.8E+00	8.8E-03
MW-27	MW-27_05/12/20	N	05/12/20	INORG	Beryllium	7440-41-7	T		U	5.00E-03	4.0E-03		2.5E-02	
MW-27	MW-27_05/12/20	N	05/12/20	INORG	Cadmium	7440-43-9	T	1.60E-03	J	5.00E-03	5.0E-03	3.2E-01	1.8E-03	8.9E-01
MW-27	MW-27_05/12/20	N	05/12/20	INORG	Chromium (total)	7440-47-3	T		U	1.50E-02	1.0E-01		2.2E+01	
MW-27	MW-27_05/12/20	N	05/12/20	INORG	Cobalt	7440-48-4	T	8.78E-02		5.00E-03	6.0E-03	1.5E+01	6.0E-03	1.5E+01
MW-27	MW-27_05/12/20	N	05/12/20	INORG	Copper	7440-50-8	T		U	2.00E-02	1.3E+00		8.0E-01	
MW-27	MW-27_05/12/20	N	05/12/20	INORG	Iron	7439-89-6	T	8.30E+01		5.00E+00	1.4E+01	5.9E+00	1.4E+01	5.9E+00

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-27	MW-27_05/12/20	N	05/12/20	INORG	Lead	7439-92-1	T		U	1.50E-02	1.5E-02		1.5E-02	
MW-27	MW-27_05/12/20	N	05/12/20	INORG	Manganese	7439-96-5	T	1.56E+01		1.00E-02	4.8E-01	<b>3.3E+01</b>	4.3E-01	<b>3.6E+01</b>
MW-27	MW-27_05/12/20	N	05/12/20	INORG	Mercury	7439-97-6	T		U	2.00E-04	2.0E-03		5.7E-04	
MW-27	MW-27_05/12/20	N	05/12/20	INORG	Molybdenum	7439-98-7	T		U	1.00E-02	1.0E-01		1.0E-01	
MW-27	MW-27_05/12/20	N	05/12/20	INORG	Nickel	7440-02-0	T	6.14E-02		1.00E-02	4.0E-01	1.5E-01	3.9E-01	1.6E-01
MW-27	MW-27_05/12/20	N	05/12/20	INORG	Selenium	7782-49-2	T		U	5.00E-02	5.0E-02		1.0E-01	
MW-27	MW-27_05/12/20	N	05/12/20	INORG	Silver	7440-22-4	T		U	1.00E-02	1.0E-01		9.4E-02	
MW-27	MW-27_05/12/20	N	05/12/20	INORG	Thallium	7440-28-0	T		U	1.50E-01	2.0E-03		2.0E-04	
MW-27	MW-27_05/12/20	N	05/12/20	INORG	Vanadium	7440-62-2	T	8.50E-03	J	1.00E-02	1.0E-01	8.5E-02	8.6E-02	9.9E-02
MW-27	MW-27_05/12/20	N	05/12/20	INORG	Zinc	7440-66-6	T	1.02E-02	J	2.00E-02	6.0E+00	1.7E-03	6.0E+00	1.7E-03
MW-27	410-33562-1_MW-27 NAP	N	03/24/21	SVOC	Naphthalene	91-20-3	T		U	1.70E-04	6.5E-03		1.2E-03	
MW-27	MW-27 NAP-03242021	N	03/24/21	SVOC	Naphthalene	91-20-3	T		U	6.30E-05	6.5E-03		1.2E-03	
MW-27	HRP-MW27-211027	N	10/27/21	SVOC	Naphthalene	91-20-3	T		U	6.40E-04	6.5E-03		1.2E-03	
MW-27	HRP-MW-27-220502	N	05/02/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
MW-27	HRP-MW27-221018	N	10/18/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	Acetone	67-64-1	T		U	2.00E-02	1.8E+01		1.8E+01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	Bromodichloromethane	75-27-4	T		U	1.00E-03	8.0E-02		1.3E-03	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	Bromoform	75-25-2	T		U	5.00E-03	8.0E-02		3.3E-02	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	Bromomethane	74-83-9	T		U	1.00E-03	2.8E-02		7.5E-03	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	2-Butanone	78-93-3	T		U	1.00E-02	1.2E+01		5.6E+00	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	Carbon Tetrachloride	56-23-5	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	Chloroethane	75-00-3	T		U	1.00E-03			8.3E+00	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	Chloroform	67-66-3	T		U	1.00E-03	8.0E-02		2.2E-03	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	Chloromethane	74-87-3	T		U	1.00E-03			1.9E-01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	Cumene	98-82-8	T		U	5.00E-03	2.0E+00		4.5E-01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	Cyclohexane	110-82-7	T		U	5.00E-03			1.3E+01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	Dibromochloromethane	124-48-1	T		U	1.00E-03	8.0E-02		8.7E-03	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	1,2-Dichlorobenzene	95-50-1	T		U	5.00E-03	6.0E-01		3.0E-01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	1,3-Dichlorobenzene	541-73-1	T		U	5.00E-03	1.4E-01		4.8E-03	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	1,4-Dichlorobenzene	106-46-7	T		U	5.00E-03	7.5E-02		4.8E-03	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	Dichlorodifluoromethane	75-71-8	T		U	1.00E-03	4.0E+00		2.0E-01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	1.00E-03	7.8E-03		4.7E-03	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	



**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	Methyl Acetate	79-20-9	T		U	5.00E-03	2.0E+01		2.0E+01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	Methylcyclohexane	108-87-2	T		U	5.00E-03			1.3E+01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	Methylene Chloride	75-09-2	T		U	1.00E-03	5.0E-03		1.1E-01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	Styrene	100-42-5	T		U	5.00E-03	1.0E-01		1.2E+00	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	1.00E-03	3.9E-03		7.6E-04	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	Tetrachloroethene	127-18-4	T		U	1.00E-03	5.0E-03		4.1E-02	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	5.00E-03	7.0E-02		4.0E-03	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	Trichlorofluoromethane	75-69-4	T		U	1.00E-03	6.0E+00		5.2E+00	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-02	6.0E+02		1.0E+01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	Vinyl Chloride	75-01-4	T		U	1.00E-03	2.0E-03		1.9E-04	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	VOC	Xylenes (total)	1330-20-7	T		U	5.00E-03	1.0E+01		1.9E-01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Acenaphthene	83-32-9	T	6.00E-04		5.00E-04	1.2E+00	5.0E-04	5.3E-01	1.1E-03
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Acenaphthylene	208-96-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Acetophenone	98-86-2	T		U	1.00E-02	2.0E+00		1.9E+00	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Anthracene	120-12-7	T		U	5.00E-04	6.0E+00		1.8E+00	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Atrazine	1912-24-9	T		U	5.00E-03	3.0E-03		3.0E-03	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Benzaldehyde	100-52-7	T		U	1.00E-02	1.9E-01		1.9E-01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	5.00E-04	2.5E-03		3.0E-04	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	5.00E-04	2.0E-04		2.5E-04	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	5.00E-04	2.5E-02		2.5E-02	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-02	9.7E-02		8.3E-04	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	2.00E-03	6.0E-02		5.9E-02	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	2.00E-03	7.1E-04		1.4E-04	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.10E-02	6.0E-03		5.6E-02	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	2.00E-03				
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Butylbenzylphthalate	85-68-7	T		U	5.00E-03	4.1E-01		1.6E-01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Caprolactam	105-60-2	T		U	1.10E-02	1.0E+01		9.9E+00	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Carbazole	86-74-8	T		U	2.00E-03	8.0E-01		2.9E-01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	4.00E-03	2.0E+00		1.4E+00	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	4-Chloroaniline	106-47-8	T		U	1.00E-02	3.9E-03		3.7E-03	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-03	1.6E+00		7.5E-01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	2-Chlorophenol	95-57-8	T		U	2.00E-03	1.0E-01		9.1E-02	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	2.00E-03				
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Chrysene	218-01-9	T		U	5.00E-04	2.5E-01		2.5E-01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	5.00E-04	2.5E-04		2.5E-04	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-03	2.0E-02		7.9E-03	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.00E-02	1.7E-03		1.3E-03	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	2,4-Dichlorophenol	120-83-2	T		U	2.00E-03	6.0E-02		4.6E-02	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Diethylphthalate	84-66-2	T		U	5.00E-03	1.6E+01		1.5E+01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.00E-02	4.0E-01		3.6E-01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Dimethylphthalate	131-11-3	T		U	5.00E-03	1.6E+01		1.5E+01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Di-n-butylphthalate	84-74-2	T		U	5.00E-03	2.0E+00		9.0E-01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	2.10E-02	1.6E-03		1.5E-03	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	2,4-Dinitrophenol	51-28-5	T		U	3.00E-02	4.0E-02		3.9E-02	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.10E-02	2.0E-01		2.0E-01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Fluoranthene	206-44-0	T	2.00E-04	J	5.00E-04	8.0E-01	2.5E-04	8.0E-01	2.5E-04
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Fluorene	86-73-7	T	3.00E-04	J	5.00E-04	8.0E-01	3.8E-04	2.9E-01	1.0E-03
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Hexachlorobenzene	118-74-1	T		U	5.00E-04	1.0E-03		9.8E-05	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Hexachlorobutadiene	87-68-3	T		U	2.00E-03	1.0E-02		1.4E-03	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.10E-02	5.0E-02		4.1E-04	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Hexachloroethane	67-72-1	T		U	5.00E-03	1.4E-02		3.3E-03	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Isophorone	78-59-1	T		U	2.00E-03	8.2E-01		7.8E-01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	5.00E-04	8.0E-02		3.6E-02	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	2-Methylphenol	95-48-7	T		U	2.00E-03	1.0E+00		9.3E-01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	4-Methylphenol	106-44-5	T		U	2.00E-03	4.0E-01		3.7E-01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Naphthalene	91-20-3	T		U	5.00E-04	6.5E-03		1.2E-03	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	2-Nitroaniline	88-74-4	T		U	7.00E-03	2.0E-01		1.9E-01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	3-Nitroaniline	99-09-2	T		U	7.00E-03	3.9E-02		3.8E-02	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	4-Nitroaniline	100-01-6	T		U	3.00E-03	3.9E-02		3.8E-02	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	2-Nitrophenol	88-75-5	T		U	1.00E-02				
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	4-Nitrophenol	100-02-7	T		U	3.00E-02				
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	3.00E-03	1.6E-01		1.2E-01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	3.00E-03	1.1E-04		1.1E-04	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	2.00E-03	8.0E-01		7.1E-01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Pentachlorophenol	87-86-5	T		U	5.00E-03	1.0E-03		4.1E-04	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Phenanthrene	85-01-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Phenol	108-95-2	T		U	2.00E-03	6.0E+00		5.8E+00	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Pyrene	129-00-0	T	3.00E-04	J	5.00E-04	6.0E-01	5.0E-04	1.2E-01	2.5E-03
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	2.00E-03	2.0E+00		1.2E+00	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	2.00E-03	2.0E-02		1.2E-02	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	5.00E-03	2.5E-03		2.4E-03	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	2.00E-03	5.2E-04		4.9E-04	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	SVOC	Nitrobenzene	98-95-3	T		U	2.00E-03	4.0E-02		1.4E-03	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	INORG	Antimony	7440-36-0	T		U	5.00E-02	6.0E-03		7.8E-03	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	INORG	Arsenic	7440-38-2	T		U	3.00E-02	1.0E-02		5.2E-04	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	INORG	Barium	7440-39-3	T	6.86E-02		5.00E-03	2.0E+00	3.4E-02	3.8E+00	1.8E-02
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	INORG	Beryllium	7440-41-7	T		U	5.00E-03	4.0E-03		2.5E-02	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	INORG	Cadmium	7440-43-9	T		U	5.00E-03	5.0E-03		1.8E-03	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	INORG	Chromium (total)	7440-47-3	T	2.30E-03	J	1.50E-02	1.0E-01	2.3E-02	2.2E+01	1.0E-04
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	INORG	Cobalt	7440-48-4	T	8.60E-03		5.00E-03	6.0E-03	<b>1.4E+00</b>	6.0E-03	<b>1.4E+00</b>
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	INORG	Copper	7440-50-8	T		U	2.00E-02	1.3E+00		8.0E-01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	INORG	Lead	7439-92-1	T		U	1.50E-02	1.5E-02		1.5E-02	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	INORG	Mercury	7439-97-6	T		U	2.00E-04	2.0E-03		5.7E-04	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	INORG	Molybdenum	7439-98-7	T		U	1.00E-02	1.0E-01		1.0E-01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	INORG	Nickel	7440-02-0	T	2.53E-02		1.00E-02	4.0E-01	6.3E-02	3.9E-01	6.5E-02
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	INORG	Selenium	7782-49-2	T		U	5.00E-02	5.0E-02		1.0E-01	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	INORG	Silver	7440-22-4	T		U	1.00E-02	1.0E-01		9.4E-02	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	INORG	Thallium	7440-28-0	T		U	3.00E-02	2.0E-03		2.0E-04	
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	INORG	Vanadium	7440-62-2	T	2.70E-03	J	1.00E-02	1.0E-01	2.7E-02	8.6E-02	3.1E-02
MW-31	MW-31/RW-31_05/12/20	N	05/12/20	INORG	Zinc	7440-66-6	T	4.70E-03	J	2.00E-02	6.0E+00	7.8E-04	6.0E+00	7.8E-04
MW-31	410-33562-1_MW-31 NAP	N	03/24/21	SVOC	Naphthalene	91-20-3	T		U	1.80E-04	6.5E-03		1.2E-03	
MW-31	MW-31 NAP-03242021	N	03/24/21	SVOC	Naphthalene	91-20-3	T		U	6.80E-05	6.5E-03		1.2E-03	
MW-33	HRP-MW33-211101	N	11/01/21	SVOC	Naphthalene	91-20-3	T		U	6.40E-04	6.5E-03		1.2E-03	
MW-33	HRP-MW33-221017	N	10/17/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
MW-51	MW-51/RW-51_02/18/20	N	02/18/20	INORG	Iron	7439-89-6	T	1.04E+02		1.00E+01	1.4E+01	<b>7.4E+00</b>	1.4E+01	<b>7.4E+00</b>
MW-51	MW-51/RW-51_02/18/20	N	02/18/20	INORG	Manganese	7439-96-5	T	3.53E+01		5.00E-02	4.8E-01	<b>7.4E+01</b>	4.3E-01	<b>8.2E+01</b>
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	Acetone	67-64-1	T		U	2.00E-02	1.8E+01		1.8E+01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	Benzene	71-43-2	T	6.00E-04	J	1.00E-03	5.0E-03	1.2E-01	4.6E-03	1.3E-01
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	Bromodichloromethane	75-27-4	T		U	1.00E-03	8.0E-02		1.3E-03	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	Bromoform	75-25-2	T		U	5.00E-03	8.0E-02		3.3E-02	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	Bromomethane	74-83-9	T		U	1.00E-03	2.8E-02		7.5E-03	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	2-Butanone	78-93-3	T		U	1.00E-02	1.2E+01		5.6E+00	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	Carbon Tetrachloride	56-23-5	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	Chloroethane	75-00-3	T		U	1.00E-03			8.3E+00	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	Chloroform	67-66-3	T		U	1.00E-03	8.0E-02		2.2E-03	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	Chloromethane	74-87-3	T		U	1.00E-03			1.9E-01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	Cumene	98-82-8	T	1.00E-03	J	5.00E-03	2.0E+00	5.0E-04	4.5E-01	2.2E-03
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	Cyclohexane	110-82-7	T		U	5.00E-03			1.3E+01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	Dibromochloromethane	124-48-1	T		U	1.00E-03	8.0E-02		8.7E-03	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	1,2-Dichlorobenzene	95-50-1	T		U	5.00E-03	6.0E-01		3.0E-01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	1,3-Dichlorobenzene	541-73-1	T		U	5.00E-03	1.4E-01		4.8E-03	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	1,4-Dichlorobenzene	106-46-7	T		U	5.00E-03	7.5E-02		4.8E-03	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	Dichlorodifluoromethane	75-71-8	T		U	1.00E-03	4.0E+00		2.0E-01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	1.00E-03	7.8E-03		4.7E-03	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	Ethyl Benzene	100-41-4	T	1.00E-03		1.00E-03	7.0E-01	1.4E-03	1.5E-02	6.7E-02
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	Methyl Acetate	79-20-9	T		U	5.00E-03	2.0E+01		2.0E+01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	Methylcyclohexane	108-87-2	T	3.00E-04	J	5.00E-03			1.3E+01	2.3E-05
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	Methylene Chloride	75-09-2	T		U	1.00E-03	5.0E-03		1.1E-01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	Styrene	100-42-5	T		U	5.00E-03	1.0E-01		1.2E+00	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	1.00E-03	3.9E-03		7.6E-04	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	Tetrachloroethene	127-18-4	T		U	1.00E-03	5.0E-03		4.1E-02	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	5.00E-03	7.0E-02		4.0E-03	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	Trichlorofluoromethane	75-69-4	T		U	1.00E-03	6.0E+00		5.2E+00	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-02	6.0E+02		1.0E+01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	Vinyl Chloride	75-01-4	T		U	1.00E-03	2.0E-03		1.9E-04	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	VOC	Xylenes (total)	1330-20-7	T	5.00E-04	J	5.00E-03	1.0E+01	5.0E-05	1.9E-01	2.6E-03
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Acenaphthene	83-32-9	T		U	5.00E-04	1.2E+00		5.3E-01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Acenaphthylene	208-96-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Acetophenone	98-86-2	T		U	1.00E-02	2.0E+00		1.9E+00	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Anthracene	120-12-7	T		U	5.00E-04	6.0E+00		1.8E+00	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Atrazine	1912-24-9	T		U	5.00E-03	3.0E-03		3.0E-03	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Benzaldehyde	100-52-7	T		U	1.00E-02	1.9E-01		1.9E-01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	5.00E-04	2.5E-03		3.0E-04	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	5.00E-04	2.0E-04		2.5E-04	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	5.00E-04	2.5E-02		2.5E-02	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-02	9.7E-02		8.3E-04	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	2.00E-03	6.0E-02		5.9E-02	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	2.00E-03	7.1E-04		1.4E-04	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.10E-02	6.0E-03		5.6E-02	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	2.00E-03				
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Butylbenzylphthalate	85-68-7	T		U	5.00E-03	4.1E-01		1.6E-01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Caprolactam	105-60-2	T		U	1.10E-02	1.0E+01		9.9E+00	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Carbazole	86-74-8	T	9.00E-04	J	2.00E-03	8.0E-01	1.1E-03	2.9E-01	3.1E-03
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	4.00E-03	2.0E+00		1.4E+00	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	4-Chloroaniline	106-47-8	T		U	1.00E-02	3.9E-03		3.7E-03	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-03	1.6E+00		7.5E-01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	2-Chlorophenol	95-57-8	T		U	2.00E-03	1.0E-01		9.1E-02	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	2.00E-03				
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Chrysene	218-01-9	T		U	5.00E-04	2.5E-01		2.5E-01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	5.00E-04	2.5E-04		2.5E-04	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-03	2.0E-02		7.9E-03	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.00E-02	1.7E-03		1.3E-03	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	2,4-Dichlorophenol	120-83-2	T		U	2.00E-03	6.0E-02		4.6E-02	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Diethylphthalate	84-66-2	T		U	5.00E-03	1.6E+01		1.5E+01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.00E-02	4.0E-01		3.6E-01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Dimethylphthalate	131-11-3	T		U	5.00E-03	1.6E+01		1.5E+01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Di-n-butylphthalate	84-74-2	T		U	5.00E-03	2.0E+00		9.0E-01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	2.10E-02	1.6E-03		1.5E-03	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	2,4-Dinitrophenol	51-28-5	T		U	3.00E-02	4.0E-02		3.9E-02	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.10E-02	2.0E-01		2.0E-01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Fluoranthene	206-44-0	T		U	5.00E-04	8.0E-01		8.0E-01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Fluorene	86-73-7	T		U	5.00E-04	8.0E-01		2.9E-01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Hexachlorobenzene	118-74-1	T		U	5.00E-04	1.0E-03		9.8E-05	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Hexachlorobutadiene	87-68-3	T		U	2.00E-03	1.0E-02		1.4E-03	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.10E-02	5.0E-02		4.1E-04	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Hexachloroethane	67-72-1	T		U	5.00E-03	1.4E-02		3.3E-03	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Isophorone	78-59-1	T		U	2.00E-03	8.2E-01		7.8E-01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	2-Methylnaphthalene	91-57-6	T	6.00E-04		5.00E-04	8.0E-02	7.5E-03	3.6E-02	1.7E-02
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	2-Methylphenol	95-48-7	T	8.00E-04	J	2.00E-03	1.0E+00	8.0E-04	9.3E-01	8.6E-04
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	4-Methylphenol	106-44-5	T	6.00E-03		2.00E-03	4.0E-01	1.5E-02	3.7E-01	1.6E-02
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Naphthalene	91-20-3	T	5.00E-03	J	1.00E-02	6.5E-03	7.7E-01	1.2E-03	4.2E+00
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	2-Nitroaniline	88-74-4	T		U	7.00E-03	2.0E-01		1.9E-01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	3-Nitroaniline	99-09-2	T		U	7.00E-03	3.9E-02		3.8E-02	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	4-Nitroaniline	100-01-6	T		U	3.00E-03	3.9E-02		3.8E-02	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	2-Nitrophenol	88-75-5	T		U	1.00E-02				
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	4-Nitrophenol	100-02-7	T		U	3.00E-02				
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	3.00E-03	1.6E-01		1.2E-01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	3.00E-03	1.1E-04		1.1E-04	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	2.00E-03	8.0E-01		7.1E-01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Pentachlorophenol	87-86-5	T		U	5.00E-03	1.0E-03		4.1E-04	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Phenanthrene	85-01-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Phenol	108-95-2	T		U	2.00E-03	6.0E+00		5.8E+00	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Pyrene	129-00-0	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	2.00E-03	2.0E+00		1.2E+00	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	2.00E-03	2.0E-02		1.2E-02	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	5.00E-03	2.5E-03		2.4E-03	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	2.00E-03	5.2E-04		4.9E-04	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	SVOC	Nitrobenzene	98-95-3	T		U	2.00E-03	4.0E-02		1.4E-03	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	INORG	Antimony	7440-36-0	T		U	5.00E-02	6.0E-03		7.8E-03	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	INORG	Arsenic	7440-38-2	T		U	3.00E-02	1.0E-02		5.2E-04	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	INORG	Barium	7440-39-3	T	1.03E-01		5.00E-03	2.0E+00	5.2E-02	3.8E+00	2.7E-02
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	INORG	Beryllium	7440-41-7	T		U	5.00E-03	4.0E-03		2.5E-02	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	INORG	Cadmium	7440-43-9	T	2.10E-03	J	5.00E-03	5.0E-03	4.2E-01	1.8E-03	<b>1.2E+00</b>
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	INORG	Chromium (total)	7440-47-3	T		U	1.50E-02	1.0E-01		2.2E+01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	INORG	Cobalt	7440-48-4	T	2.14E-02		5.00E-03	6.0E-03	<b>3.6E+00</b>	6.0E-03	<b>3.6E+00</b>
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	INORG	Copper	7440-50-8	T		U	2.00E-02	1.3E+00		8.0E-01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	INORG	Iron	7439-89-6	T	1.20E+02		1.00E+01	1.4E+01	<b>8.6E+00</b>	1.4E+01	<b>8.6E+00</b>
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	INORG	Lead	7439-92-1	T		U	1.50E-02	1.5E-02		1.5E-02	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	INORG	Manganese	7439-96-5	T	1.58E+01		1.00E-02	4.8E-01	<b>3.3E+01</b>	4.3E-01	<b>3.7E+01</b>
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	INORG	Mercury	7439-97-6	T		U	2.00E-04	2.0E-03		5.7E-04	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	INORG	Molybdenum	7439-98-7	T		U	1.00E-02	1.0E-01		1.0E-01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	INORG	Nickel	7440-02-0	T	5.13E-02		1.00E-02	4.0E-01	1.3E-01	3.9E-01	1.3E-01
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	INORG	Selenium	7782-49-2	T		U	5.00E-02	5.0E-02		1.0E-01	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	INORG	Silver	7440-22-4	T		U	1.00E-02	1.0E-01		9.4E-02	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	INORG	Thallium	7440-28-0	T		U	1.50E-01	2.0E-03		2.0E-04	
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	INORG	Vanadium	7440-62-2	T	8.30E-03	J	1.00E-02	1.0E-01	8.3E-02	8.6E-02	9.7E-02
MW-51	MW-51-RW-51_05/13/20	N	05/13/20	INORG	Zinc	7440-66-6	T		U	2.00E-02	6.0E+00		6.0E+00	
MW-51	410-33859-1_MW-51	N	03/25/21	SVOC	Naphthalene	91-20-3	T		U	8.40E-04	6.5E-03		1.2E-03	
MW-51	MW-51-03252021	N	03/25/21	SVOC	Naphthalene	91-20-3	T		U	3.20E-04	6.5E-03		1.2E-03	
MW-51S	MW-51S_02/18/20	N	02/18/20	INORG	Iron	7439-89-6	T	7.42E+01		5.00E+00	1.4E+01	<b>5.3E+00</b>	1.4E+01	<b>5.3E+00</b>
MW-51S	MW-51S_02/18/20	N	02/18/20	INORG	Manganese	7439-96-5	T	1.37E+00		1.00E-02	4.8E-01	<b>2.9E+00</b>	4.3E-01	<b>3.2E+00</b>
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	Acetone	67-64-1	T		U	1.00E-01	1.8E+01		1.8E+01	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	Benzene	71-43-2	T	2.00E-03	J	5.00E-03	5.0E-03	4.0E-01	4.6E-03	4.3E-01
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	Bromodichloromethane	75-27-4	T		U	5.00E-03	8.0E-02		1.3E-03	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	Bromoform	75-25-2	T		U	2.50E-02	8.0E-02		3.3E-02	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	Bromomethane	74-83-9	T		U	5.00E-03	2.8E-02		7.5E-03	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	2-Butanone	78-93-3	T		U	5.00E-02	1.2E+01		5.6E+00	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	Carbon Disulfide	75-15-0	T		U	2.50E-02	2.0E+00		8.1E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	Carbon Tetrachloride	56-23-5	T		U	5.00E-03	5.0E-03		4.6E-03	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	Chlorobenzene	108-90-7	T		U	5.00E-03	1.0E-01		7.8E-02	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	Chloroethane	75-00-3	T		U	5.00E-03			8.3E+00	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	Chloroform	67-66-3	T		U	5.00E-03	8.0E-02		2.2E-03	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	Chloromethane	74-87-3	T		U	5.00E-03			1.9E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	Cumene	98-82-8	T		U	2.50E-02	2.0E+00		4.5E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	Cyclohexane	110-82-7	T		U	2.50E-02			1.3E+01	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	2.50E-02	2.0E-04		3.3E-06	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	Dibromochloromethane	124-48-1	T		U	5.00E-03	8.0E-02		8.7E-03	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	1,2-Dibromoethane	106-93-4	T		U	5.00E-03	5.0E-05		7.5E-05	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	1,2-Dichlorobenzene	95-50-1	T		U	2.50E-02	6.0E-01		3.0E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	1,3-Dichlorobenzene	541-73-1	T		U	2.50E-02	1.4E-01		4.8E-03	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	1,4-Dichlorobenzene	106-46-7	T		U	2.50E-02	7.5E-02		4.8E-03	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	Dichlorodifluoromethane	75-71-8	T		U	5.00E-03	4.0E+00		2.0E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	1,1-Dichloroethane	75-34-3	T		U	5.00E-03	1.4E-01		2.8E-02	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	1,2-Dichloroethane	107-06-2	T		U	2.50E-02	5.0E-03		1.7E-03	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	1,1-Dichloroethene	75-35-4	T		U	5.00E-03	7.0E-03		2.8E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	5.00E-03	7.0E-02		2.5E-02	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	5.00E-03	1.0E-01		6.8E-02	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	1,2-Dichloropropane	78-87-5	T		U	5.00E-03	5.0E-03		8.2E-03	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	5.00E-03	7.8E-03		4.7E-03	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	Ethyl Benzene	100-41-4	T		U	5.00E-03	7.0E-01		1.5E-02	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	2-Hexanone	591-78-6	T		U	5.00E-02	1.0E-01		3.8E-02	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	Methyl Acetate	79-20-9	T		U	2.50E-02	2.0E+01		2.0E+01	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	5.00E-03	4.3E-01		1.4E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	4-Methyl-2-pentanone	108-10-1	T		U	5.00E-02			6.3E+00	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	Methylcyclohexane	108-87-2	T		U	2.50E-02			1.3E+01	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	Methylene Chloride	75-09-2	T		U	5.00E-03	5.0E-03		1.1E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	Styrene	100-42-5	T		U	2.50E-02	1.0E-01		1.2E+00	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	5.00E-03	3.9E-03		7.6E-04	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	Tetrachloroethene	127-18-4	T		U	5.00E-03	5.0E-03		4.1E-02	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	Toluene	108-88-3	T		U	5.00E-03	1.0E+00		1.1E+00	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	2.50E-02	7.0E-02		4.0E-03	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	1,1,1-Trichloroethane	71-55-6	T		U	5.00E-03	2.0E-01		8.0E+00	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	1,1,2-Trichloroethane	79-00-5	T		U	5.00E-03	5.0E-03		4.1E-04	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	Trichloroethene	79-01-6	T		U	5.00E-03	5.0E-03		2.8E-03	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	Trichlorofluoromethane	75-69-4	T		U	5.00E-03	6.0E+00		5.2E+00	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	5.00E-02	6.0E+02		1.0E+01	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	Vinyl Chloride	75-01-4	T		U	5.00E-03	2.0E-03		1.9E-04	
MW-51S	MW-51S_05/13/20	N	05/13/20	VOC	Xylenes (total)	1330-20-7	T		U	2.50E-02	1.0E+01		1.9E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Acenaphthene	83-32-9	T		U	5.00E-04	1.2E+00		5.3E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Acenaphthylene	208-96-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Acetophenone	98-86-2	T		U	1.00E-02	2.0E+00		1.9E+00	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Anthracene	120-12-7	T		U	5.00E-04	6.0E+00		1.8E+00	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Atrazine	1912-24-9	T		U	5.00E-03	3.0E-03		3.0E-03	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Benzaldehyde	100-52-7	T		U	1.00E-02	1.9E-01		1.9E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	5.00E-04	2.5E-03		3.0E-04	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	5.00E-04	2.0E-04		2.5E-04	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	5.00E-04	2.5E-02		2.5E-02	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-02	9.7E-02		8.3E-04	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	2.00E-03	6.0E-02		5.9E-02	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	2.00E-03	7.1E-04		1.4E-04	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.10E-02	6.0E-03		5.6E-02	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	2.00E-03				
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Butylbenzylphthalate	85-68-7	T		U	5.00E-03	4.1E-01		1.6E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Caprolactam	105-60-2	T		U	1.10E-02	1.0E+01		9.9E+00	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Carbazole	86-74-8	T		U	2.00E-03	8.0E-01		2.9E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	4.00E-03	2.0E+00		1.4E+00	



**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	4-Chloroaniline	106-47-8	T		U	1.00E-02	3.9E-03		3.7E-03	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-03	1.6E+00		7.5E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	2-Chlorophenol	95-57-8	T		U	2.00E-03	1.0E-01		9.1E-02	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	2.00E-03				
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Chrysene	218-01-9	T		U	5.00E-04	2.5E-01		2.5E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	5.00E-04	2.5E-04		2.5E-04	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-03	2.0E-02		7.9E-03	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.00E-02	1.7E-03		1.3E-03	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	2,4-Dichlorophenol	120-83-2	T		U	2.00E-03	6.0E-02		4.6E-02	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Diethylphthalate	84-66-2	T		U	5.00E-03	1.6E+01		1.5E+01	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.00E-02	4.0E-01		3.6E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Dimethylphthalate	131-11-3	T		U	5.00E-03	1.6E+01		1.5E+01	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Di-n-butylphthalate	84-74-2	T		U	5.00E-03	2.0E+00		9.0E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	2.10E-02	1.6E-03		1.5E-03	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	2,4-Dinitrophenol	51-28-5	T		U	3.00E-02	4.0E-02		3.9E-02	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.10E-02	2.0E-01		2.0E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Fluoranthene	206-44-0	T		U	5.00E-04	8.0E-01		8.0E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Fluorene	86-73-7	T		U	5.00E-04	8.0E-01		2.9E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Hexachlorobenzene	118-74-1	T		U	5.00E-04	1.0E-03		9.8E-05	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Hexachlorobutadiene	87-68-3	T		U	2.00E-03	1.0E-02		1.4E-03	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.10E-02	5.0E-02		4.1E-04	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Hexachloroethane	67-72-1	T		U	5.00E-03	1.4E-02		3.3E-03	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Isophorone	78-59-1	T		U	2.00E-03	8.2E-01		7.8E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	5.00E-04	8.0E-02		3.6E-02	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	2-Methylphenol	95-48-7	T		U	2.00E-03	1.0E+00		9.3E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	4-Methylphenol	106-44-5	T		U	2.00E-03	4.0E-01		3.7E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Naphthalene	91-20-3	T		U	5.00E-04	6.5E-03		1.2E-03	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	2-Nitroaniline	88-74-4	T		U	7.00E-03	2.0E-01		1.9E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	3-Nitroaniline	99-09-2	T		U	7.00E-03	3.9E-02		3.8E-02	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	4-Nitroaniline	100-01-6	T		U	3.00E-03	3.9E-02		3.8E-02	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	2-Nitrophenol	88-75-5	T		U	1.00E-02				
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	4-Nitrophenol	100-02-7	T		U	3.00E-02				
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	3.00E-03	1.6E-01		1.2E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	3.00E-03	1.1E-04		1.1E-04	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	2.00E-03	8.0E-01		7.1E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Pentachlorophenol	87-86-5	T		U	5.00E-03	1.0E-03		4.1E-04	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Phenanthrene	85-01-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Phenol	108-95-2	T		U	2.00E-03	6.0E+00		5.8E+00	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Pyrene	129-00-0	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	2.00E-03	2.0E+00		1.2E+00	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	2.00E-03	2.0E-02		1.2E-02	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	5.00E-03	2.5E-03		2.4E-03	
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	2.00E-03	5.2E-04		4.9E-04	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-51S	MW-51S_05/13/20	N	05/13/20	SVOC	Nitrobenzene	98-95-3	T		U	2.00E-03	4.0E-02		1.4E-03	
MW-51S	MW-51S_05/13/20	N	05/13/20	INORG	Antimony	7440-36-0	T		U	5.00E-02	6.0E-03		7.8E-03	
MW-51S	MW-51S_05/13/20	N	05/13/20	INORG	Arsenic	7440-38-2	T		U	3.00E-02	1.0E-02		5.2E-04	
MW-51S	MW-51S_05/13/20	N	05/13/20	INORG	Barium	7440-39-3	T	1.23E-01		5.00E-03	2.0E+00	6.2E-02	3.8E+00	3.2E-02
MW-51S	MW-51S_05/13/20	N	05/13/20	INORG	Beryllium	7440-41-7	T		U	5.00E-03	4.0E-03		2.5E-02	
MW-51S	MW-51S_05/13/20	N	05/13/20	INORG	Cadmium	7440-43-9	T	1.60E-03	J	5.00E-03	5.0E-03	3.2E-01	1.8E-03	8.9E-01
MW-51S	MW-51S_05/13/20	N	05/13/20	INORG	Chromium (total)	7440-47-3	T		U	1.50E-02	1.0E-01		2.2E+01	
MW-51S	MW-51S_05/13/20	N	05/13/20	INORG	Cobalt	7440-48-4	T	4.20E-03	J	5.00E-03	6.0E-03	7.0E-01	6.0E-03	7.0E-01
MW-51S	MW-51S_05/13/20	N	05/13/20	INORG	Copper	7440-50-8	T		U	2.00E-02	1.3E+00		8.0E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	INORG	Iron	7439-89-6	T	7.87E+01		5.00E+00	1.4E+01	<b>5.6E+00</b>	1.4E+01	<b>5.6E+00</b>
MW-51S	MW-51S_05/13/20	N	05/13/20	INORG	Lead	7439-92-1	T		U	1.50E-02	1.5E-02		1.5E-02	
MW-51S	MW-51S_05/13/20	N	05/13/20	INORG	Manganese	7439-96-5	T	5.79E-01		1.00E-02	4.8E-01	<b>1.2E+00</b>	4.3E-01	<b>1.3E+00</b>
MW-51S	MW-51S_05/13/20	N	05/13/20	INORG	Mercury	7439-97-6	T		U	2.00E-04	2.0E-03		5.7E-04	
MW-51S	MW-51S_05/13/20	N	05/13/20	INORG	Molybdenum	7439-98-7	T		U	1.00E-02	1.0E-01		1.0E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	INORG	Nickel	7440-02-0	T	4.20E-03	J	1.00E-02	4.0E-01	1.1E-02	3.9E-01	1.1E-02
MW-51S	MW-51S_05/13/20	N	05/13/20	INORG	Selenium	7782-49-2	T		U	5.00E-02	5.0E-02		1.0E-01	
MW-51S	MW-51S_05/13/20	N	05/13/20	INORG	Silver	7440-22-4	T		U	1.00E-02	1.0E-01		9.4E-02	
MW-51S	MW-51S_05/13/20	N	05/13/20	INORG	Thallium	7440-28-0	T		U	3.00E-02	2.0E-03		2.0E-04	
MW-51S	MW-51S_05/13/20	N	05/13/20	INORG	Vanadium	7440-62-2	T		U	1.00E-02	1.0E-01		8.6E-02	
MW-51S	MW-51S_05/13/20	N	05/13/20	INORG	Zinc	7440-66-6	T	2.79E-02		2.00E-02	6.0E+00	4.7E-03	6.0E+00	4.7E-03
MW-51S	MW-51S_08122020	N	08/12/20	INORG	Iron	7439-89-6	T	1.30E+02	HF	5.00E+00	1.4E+01	<b>9.3E+00</b>	1.4E+01	<b>9.3E+00</b>
MW-51S	MW-51S_08122020	N	08/12/20	INORG	Manganese	7439-96-5	T	4.00E+00		1.00E-02	4.8E-01	<b>8.3E+00</b>	4.3E-01	<b>9.3E+00</b>
MW-51S	410-33859-1 MW-51S	N	03/25/21	SVOC	Naphthalene	91-20-3	T		U	8.20E-04	6.5E-03		1.2E-03	
MW-51S	MW-51S-03252021	N	03/25/21	SVOC	Naphthalene	91-20-3	T		U	3.10E-04	6.5E-03		1.2E-03	
MW-72	MW-72/RW-72_02/18/20	N	02/18/20	INORG	Iron	7439-89-6	T	5.48E+00		5.00E-01	1.4E+01	3.9E-01	1.4E+01	3.9E-01
MW-72	MW-72/RW-72_02/18/20	N	02/18/20	INORG	Manganese	7439-96-5	T	2.97E+01		5.00E-02	4.8E-01	<b>6.2E+01</b>	4.3E-01	<b>6.9E+01</b>
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	Acetone	67-64-1	T	7.00E-03	J	2.00E-02	1.8E+01	3.9E-04	1.8E+01	3.9E-04
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	Benzene	71-43-2	T	4.00E-04	J	1.00E-03	5.0E-03	8.0E-02	4.6E-03	8.7E-02
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	Bromodichloromethane	75-27-4	T		U	1.00E-03	8.0E-02		1.3E-03	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	Bromoform	75-25-2	T		U	5.00E-03	8.0E-02		3.3E-02	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	Bromomethane	74-83-9	T		U	1.00E-03	2.8E-02		7.5E-03	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	2-Butanone	78-93-3	T		U	1.00E-02	1.2E+01		5.6E+00	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	Carbon Tetrachloride	56-23-5	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	Chloroethane	75-00-3	T		U	1.00E-03			8.3E+00	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	Chloroform	67-66-3	T		U	1.00E-03	8.0E-02		2.2E-03	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	Chloromethane	74-87-3	T		U	1.00E-03			1.9E-01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	Cumene	98-82-8	T	2.00E-03	J	5.00E-03	2.0E+00	1.0E-03	4.5E-01	4.4E-03
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	Cyclohexane	110-82-7	T		U	5.00E-03			1.3E+01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	Dibromochloromethane	124-48-1	T		U	1.00E-03	8.0E-02		8.7E-03	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	1,2-Dichlorobenzene	95-50-1	T		U	5.00E-03	6.0E-01		3.0E-01	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	1,3-Dichlorobenzene	541-73-1	T		U	5.00E-03	1.4E-01		4.8E-03	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	1,4-Dichlorobenzene	106-46-7	T		U	5.00E-03	7.5E-02		4.8E-03	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	Dichlorodifluoromethane	75-71-8	T		U	1.00E-03	4.0E+00		2.0E-01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	1.00E-03	7.8E-03		4.7E-03	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	Ethyl Benzene	100-41-4	T	2.00E-03		1.00E-03	7.0E-01	2.9E-03	1.5E-02	1.3E-01
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	Methyl Acetate	79-20-9	T		U	5.00E-03	2.0E+01		2.0E+01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	Methylcyclohexane	108-87-2	T		U	5.00E-03			1.3E+01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	Methylene Chloride	75-09-2	T		U	1.00E-03	5.0E-03		1.1E-01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	Styrene	100-42-5	T		U	5.00E-03	1.0E-01		1.2E+00	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	1.00E-03	3.9E-03		7.6E-04	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	Tetrachloroethene	127-18-4	T		U	1.00E-03	5.0E-03		4.1E-02	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	5.00E-03	7.0E-02		4.0E-03	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	Trichlorofluoromethane	75-69-4	T		U	1.00E-03	6.0E+00		5.2E+00	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-02	6.0E+02		1.0E+01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	Vinyl Chloride	75-01-4	T		U	1.00E-03	2.0E-03		1.9E-04	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	VOC	Xylenes (total)	1330-20-7	T	6.00E-03		5.00E-03	1.0E+01	6.0E-04	1.9E-01	3.2E-02
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Acenaphthene	83-32-9	T		U	5.00E-04	1.2E+00		5.3E-01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Acenaphthylene	208-96-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Acetophenone	98-86-2	T		U	1.00E-02	2.0E+00		1.9E+00	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Anthracene	120-12-7	T		U	5.00E-04	6.0E+00		1.8E+00	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Atrazine	1912-24-9	T		U	5.00E-03	3.0E-03		3.0E-03	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Benzaldehyde	100-52-7	T		U	1.00E-02	1.9E-01		1.9E-01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	5.00E-04	2.5E-03		3.0E-04	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	5.00E-04	2.0E-04		2.5E-04	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	5.00E-04	2.5E-02		2.5E-02	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-02	9.7E-02		8.3E-04	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	2.00E-03	6.0E-02		5.9E-02	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	2.00E-03	7.1E-04		1.4E-04	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.10E-02	6.0E-03		5.6E-02	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	2.00E-03				
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Butylbenzylphthalate	85-68-7	T		U	5.00E-03	4.1E-01		1.6E-01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Caprolactam	105-60-2	T		U	1.10E-02	1.0E+01		9.9E+00	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Carbazole	86-74-8	T		U	2.00E-03	8.0E-01		2.9E-01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	4.00E-03	2.0E+00		1.4E+00	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	4-Chloroaniline	106-47-8	T		U	1.00E-02	3.9E-03		3.7E-03	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-03	1.6E+00		7.5E-01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	2-Chlorophenol	95-57-8	T		U	2.00E-03	1.0E-01		9.1E-02	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	2.00E-03				
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Chrysene	218-01-9	T		U	5.00E-04	2.5E-01		2.5E-01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	5.00E-04	2.5E-04		2.5E-04	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-03	2.0E-02		7.9E-03	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.00E-02	1.7E-03		1.3E-03	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	2,4-Dichlorophenol	120-83-2	T		U	2.00E-03	6.0E-02		4.6E-02	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Diethylphthalate	84-66-2	T		U	5.00E-03	1.6E+01		1.5E+01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.00E-02	4.0E-01		3.6E-01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Dimethylphthalate	131-11-3	T		U	5.00E-03	1.6E+01		1.5E+01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Di-n-butylphthalate	84-74-2	T		U	5.00E-03	2.0E+00		9.0E-01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	2.10E-02	1.6E-03		1.5E-03	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	2,4-Dinitrophenol	51-28-5	T		U	3.00E-02	4.0E-02		3.9E-02	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.10E-02	2.0E-01		2.0E-01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Fluoranthene	206-44-0	T		U	5.00E-04	8.0E-01		8.0E-01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Fluorene	86-73-7	T	3.00E-04	J	5.00E-04	8.0E-01	3.8E-04	2.9E-01	1.0E-03
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Hexachlorobenzene	118-74-1	T		U	5.00E-04	1.0E-03		9.8E-05	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Hexachlorobutadiene	87-68-3	T		U	2.00E-03	1.0E-02		1.4E-03	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.10E-02	5.0E-02		4.1E-04	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Hexachloroethane	67-72-1	T		U	5.00E-03	1.4E-02		3.3E-03	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	5.00E-04	2.5E-03		2.5E-03	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Isophorone	78-59-1	T		U	2.00E-03	8.2E-01		7.8E-01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	2-Methylnaphthalene	91-57-6	T	4.00E-03		5.00E-04	8.0E-02	5.0E-02	3.6E-02	1.1E-01
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	2-Methylphenol	95-48-7	T		U	2.00E-03	1.0E+00		9.3E-01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	4-Methylphenol	106-44-5	T		U	2.00E-03	4.0E-01		3.7E-01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Naphthalene	91-20-3	T	1.40E-02		1.00E-02	6.5E-03	2.2E+00	1.2E-03	1.2E+01
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	2-Nitroaniline	88-74-4	T		U	7.00E-03	2.0E-01		1.9E-01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	3-Nitroaniline	99-09-2	T		U	7.00E-03	3.9E-02		3.8E-02	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	4-Nitroaniline	100-01-6	T		U	3.00E-03	3.9E-02		3.8E-02	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	2-Nitrophenol	88-75-5	T		U	1.00E-02				
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	4-Nitrophenol	100-02-7	T		U	3.00E-02				
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	3.00E-03	1.6E-01		1.2E-01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	3.00E-03	1.1E-04		1.1E-04	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	2.00E-03	8.0E-01		7.1E-01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Pentachlorophenol	87-86-5	T		U	5.00E-03	1.0E-03		4.1E-04	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Phenanthrene	85-01-8	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Phenol	108-95-2	T		U	2.00E-03	6.0E+00		5.8E+00	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Pyrene	129-00-0	T		U	5.00E-04	6.0E-01		1.2E-01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	2.00E-03	2.0E+00		1.2E+00	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	2.00E-03	2.0E-02		1.2E-02	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	5.00E-03	2.5E-03		2.4E-03	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	2.00E-03	5.2E-04		4.9E-04	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	SVOC	Nitrobenzene	98-95-3	T		U	2.00E-03	4.0E-02		1.4E-03	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	INORG	Antimony	7440-36-0	T		U	5.00E-02	6.0E-03		7.8E-03	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	INORG	Arsenic	7440-38-2	T		U	3.00E-02	1.0E-02		5.2E-04	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	INORG	Barium	7440-39-3	T	1.16E-02		5.00E-03	2.0E+00	5.8E-03	3.8E+00	3.1E-03
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	INORG	Beryllium	7440-41-7	T	8.90E-03		5.00E-03	4.0E-03	2.2E+00	2.5E-02	3.6E-01
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	INORG	Cadmium	7440-43-9	T	5.00E-03	J	5.00E-03	5.0E-03	1.0E+00	1.8E-03	2.8E+00
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	INORG	Chromium (total)	7440-47-3	T	6.80E-03	J	1.50E-02	1.0E-01	6.8E-02	2.2E+01	3.1E-04
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	INORG	Cobalt	7440-48-4	T	4.46E-01		5.00E-03	6.0E-03	7.4E+01	6.0E-03	7.4E+01
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	INORG	Copper	7440-50-8	T	1.49E-02	J	2.00E-02	1.3E+00	1.1E-02	8.0E-01	1.9E-02
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	INORG	Iron	7439-89-6	T	9.63E+00		5.00E-01	1.4E+01	6.9E-01	1.4E+01	6.9E-01
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	INORG	Lead	7439-92-1	T	1.12E-02	J	1.50E-02	1.5E-02	7.5E-01	1.5E-02	7.5E-01
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	INORG	Manganese	7439-96-5	T	2.65E+01		5.00E-02	4.8E-01	5.5E+01	4.3E-01	6.2E+01
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	INORG	Mercury	7439-97-6	T		U	2.00E-04	2.0E-03		5.7E-04	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	INORG	Molybdenum	7439-98-7	T		U	1.00E-02	1.0E-01		1.0E-01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	INORG	Nickel	7440-02-0	T	1.96E-01		1.00E-02	4.0E-01	4.9E-01	3.9E-01	5.0E-01
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	INORG	Selenium	7782-49-2	T		U	5.00E-02	5.0E-02		1.0E-01	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	INORG	Silver	7440-22-4	T		U	1.00E-02	1.0E-01		9.4E-02	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	INORG	Thallium	7440-28-0	T		U	3.00E-02	2.0E-03		2.0E-04	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	INORG	Vanadium	7440-62-2	T		U	1.00E-02	1.0E-01		8.6E-02	
MW-72	MW-72/RW-72_05/13/20	N	05/13/20	INORG	Zinc	7440-66-6	T	4.22E-01		2.00E-02	6.0E+00	7.0E-02	6.0E+00	7.0E-02
MW-72	410-33859-1 MW-72	N	03/25/21	SVOC	Naphthalene	91-20-3	T	4.00E-03		1.60E-04	6.5E-03	6.2E-01	1.2E-03	3.3E+00
MW-72	MW-72-03252021	N	03/25/21	SVOC	Naphthalene	91-20-3	T	4.00E-03		6.00E-05	6.5E-03	6.2E-01	1.2E-03	3.3E+00
MW-72S	MW-72S/RW-72S_02/18/20	N	02/18/20	INORG	Iron	7439-89-6	T	1.53E+02		2.00E+01	1.4E+01	1.1E+01	1.4E+01	1.1E+01
MW-72S	MW-72S/RW-72S_02/18/20	N	02/18/20	INORG	Manganese	7439-96-5	T	1.29E+01		1.00E-02	4.8E-01	2.7E+01	4.3E-01	3.0E+01
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	Acetone	67-64-1	T	2.80E-02		2.00E-02	1.8E+01	1.6E-03	1.8E+01	1.6E-03
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	Bromodichloromethane	75-27-4	T		U	1.00E-03	8.0E-02		1.3E-03	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	Bromoform	75-25-2	T		U	5.00E-03	8.0E-02		3.3E-02	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	Bromomethane	74-83-9	T		U	1.00E-03	2.8E-02		7.5E-03	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	2-Butanone	78-93-3	T		U	1.00E-02	1.2E+01		5.6E+00	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	Carbon Tetrachloride	56-23-5	T		U	1.00E-03	5.0E-03		4.6E-03	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	Chloroethane	75-00-3	T		U	1.00E-03			8.3E+00	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	Chloroform	67-66-3	T		U	1.00E-03	8.0E-02		2.2E-03	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	Chloromethane	74-87-3	T		U	1.00E-03			1.9E-01	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	Cumene	98-82-8	T		U	5.00E-03	2.0E+00		4.5E-01	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	Cyclohexane	110-82-7	T		U	5.00E-03			1.3E+01	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	Dibromochloromethane	124-48-1	T		U	1.00E-03	8.0E-02		8.7E-03	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	1,2-Dichlorobenzene	95-50-1	T		U	5.00E-03	6.0E-01		3.0E-01	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	1,3-Dichlorobenzene	541-73-1	T		U	5.00E-03	1.4E-01		4.8E-03	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	1,4-Dichlorobenzene	106-46-7	T		U	5.00E-03	7.5E-02		4.8E-03	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	Dichlorodifluoromethane	75-71-8	T		U	1.00E-03	4.0E+00		2.0E-01	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	1.00E-03	7.8E-03		4.7E-03	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	Methyl Acetate	79-20-9	T		U	5.00E-03	2.0E+01		2.0E+01	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	Methylcyclohexane	108-87-2	T		U	5.00E-03			1.3E+01	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	Methylene Chloride	75-09-2	T		U	1.00E-03	5.0E-03		1.1E-01	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	Styrene	100-42-5	T		U	5.00E-03	1.0E-01		1.2E+00	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	1.00E-03	3.9E-03		7.6E-04	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	Tetrachloroethene	127-18-4	T		U	1.00E-03	5.0E-03		4.1E-02	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	5.00E-03	7.0E-02		4.0E-03	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	Trichlorofluoromethane	75-69-4	T		U	1.00E-03	6.0E+00		5.2E+00	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-02	6.0E+02		1.0E+01	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	Vinyl Chloride	75-01-4	T		U	1.00E-03	2.0E-03		1.9E-04	
MW-72S	MW-72S_05/13/20	N	05/13/20	VOC	Xylenes (total)	1330-20-7	T		U	5.00E-03	1.0E+01		1.9E-01	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Acenaphthene	83-32-9	T		U	6.00E-04	1.2E+00		5.3E-01	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Acenaphthylene	208-96-8	T		U	6.00E-04	6.0E-01		1.2E-01	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Acetophenone	98-86-2	T		U	1.10E-02	2.0E+00		1.9E+00	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Anthracene	120-12-7	T		U	6.00E-04	6.0E+00		1.8E+00	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Atrazine	1912-24-9	T		U	6.00E-03	3.0E-03		3.0E-03	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Benzaldehyde	100-52-7	T		U	1.10E-02	1.9E-01		1.9E-01	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	6.00E-04	2.5E-03		3.0E-04	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	6.00E-04	2.0E-04		2.5E-04	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	6.00E-04	2.5E-03		2.5E-03	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	6.00E-04	6.0E-01		1.2E-01	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	6.00E-04	2.5E-02		2.5E-02	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.10E-02	9.7E-02		8.3E-04	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	2.00E-03	6.0E-02		5.9E-02	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	2.00E-03	7.1E-04		1.4E-04	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.30E-02	6.0E-03		5.6E-02	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	2.00E-03				
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Butylbenzylphthalate	85-68-7	T		U	6.00E-03	4.1E-01		1.6E-01	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Caprolactam	105-60-2	T		U	1.30E-02	1.0E+01		9.9E+00	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Carbazole	86-74-8	T		U	2.00E-03	8.0E-01		2.9E-01	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	4.00E-03	2.0E+00		1.4E+00	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	4-Chloroaniline	106-47-8	T		U	1.10E-02	3.9E-03		3.7E-03	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-03	1.6E+00		7.5E-01	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	2-Chlorophenol	95-57-8	T		U	2.00E-03	1.0E-01		9.1E-02	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	2.00E-03				
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Chrysene	218-01-9	T		U	6.00E-04	2.5E-01		2.5E-01	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	6.00E-04	2.5E-04		2.5E-04	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-03	2.0E-02		7.9E-03	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.10E-02	1.7E-03		1.3E-03	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	2,4-Dichlorophenol	120-83-2	T		U	2.00E-03	6.0E-02		4.6E-02	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Diethylphthalate	84-66-2	T		U	6.00E-03	1.6E+01		1.5E+01	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.10E-02	4.0E-01		3.6E-01	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Dimethylphthalate	131-11-3	T		U	6.00E-03	1.6E+01		1.5E+01	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Di-n-butylphthalate	84-74-2	T		U	6.00E-03	2.0E+00		9.0E-01	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	2.40E-02	1.6E-03		1.5E-03	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	2,4-Dinitrophenol	51-28-5	T		U	3.40E-02	4.0E-02		3.9E-02	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.30E-02	2.0E-01		2.0E-01	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Fluoranthene	206-44-0	T		U	6.00E-04	8.0E-01		8.0E-01	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Fluorene	86-73-7	T		U	6.00E-04	8.0E-01		2.9E-01	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Hexachlorobenzene	118-74-1	T		U	6.00E-04	1.0E-03		9.8E-05	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Hexachlorobutadiene	87-68-3	T		U	2.00E-03	1.0E-02		1.4E-03	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.30E-02	5.0E-02		4.1E-04	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Hexachloroethane	67-72-1	T		U	6.00E-03	1.4E-02		3.3E-03	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	6.00E-04	2.5E-03		2.5E-03	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Isophorone	78-59-1	T		U	2.00E-03	8.2E-01		7.8E-01	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	6.00E-04	8.0E-02		3.6E-02	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	2-Methylphenol	95-48-7	T		U	2.00E-03	1.0E+00		9.3E-01	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	4-Methylphenol	106-44-5	T		U	2.00E-03	4.0E-01		3.7E-01	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Naphthalene	91-20-3	T		U	6.00E-04	6.5E-03		1.2E-03	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	2-Nitroaniline	88-74-4	T		U	8.00E-03	2.0E-01		1.9E-01	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	3-Nitroaniline	99-09-2	T		U	8.00E-03	3.9E-02		3.8E-02	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	4-Nitroaniline	100-01-6	T		U	3.00E-03	3.9E-02		3.8E-02	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	2-Nitrophenol	88-75-5	T		U	1.10E-02				
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	4-Nitrophenol	100-02-7	T		U	3.40E-02				
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	3.00E-03	1.6E-01		1.2E-01	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	3.00E-03	1.1E-04		1.1E-04	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	2.00E-03	8.0E-01		7.1E-01	



**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Pentachlorophenol	87-86-5	T		U	6.00E-03	1.0E-03		4.1E-04	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Phenanthrene	85-01-8	T		U	6.00E-04	6.0E-01		1.2E-01	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Phenol	108-95-2	T		U	2.00E-03	6.0E+00		5.8E+00	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Pyrene	129-00-0	T		U	6.00E-04	6.0E-01		1.2E-01	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	2.00E-03	2.0E+00		1.2E+00	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	2.00E-03	2.0E-02		1.2E-02	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	6.00E-03	2.5E-03		2.4E-03	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	2.00E-03	5.2E-04		4.9E-04	
MW-72S	MW-72S_05/13/20	N	05/13/20	SVOC	Nitrobenzene	98-95-3	T		U	2.00E-03	4.0E-02		1.4E-03	
MW-72S	MW-72S_05/13/20	N	05/13/20	INORG	Antimony	7440-36-0	T		U	5.00E-02	6.0E-03		7.8E-03	
MW-72S	MW-72S_05/13/20	N	05/13/20	INORG	Arsenic	7440-38-2	T		U	3.00E-02	1.0E-02		5.2E-04	
MW-72S	MW-72S_05/13/20	N	05/13/20	INORG	Barium	7440-39-3	T	1.02E-02		5.00E-03	2.0E+00	5.1E-03	3.8E+00	2.7E-03
MW-72S	MW-72S_05/13/20	N	05/13/20	INORG	Beryllium	7440-41-7	T	7.30E-03		5.00E-03	4.0E-03	1.8E+00	2.5E-02	2.9E-01
MW-72S	MW-72S_05/13/20	N	05/13/20	INORG	Cadmium	7440-43-9	T	4.30E-03	J	5.00E-03	5.0E-03	8.6E-01	1.8E-03	2.4E+00
MW-72S	MW-72S_05/13/20	N	05/13/20	INORG	Chromium (total)	7440-47-3	T	2.10E-03	J	1.50E-02	1.0E-01	2.1E-02	2.2E+01	9.5E-05
MW-72S	MW-72S_05/13/20	N	05/13/20	INORG	Cobalt	7440-48-4	T	4.40E-01		5.00E-03	6.0E-03	7.3E+01	6.0E-03	7.3E+01
MW-72S	MW-72S_05/13/20	N	05/13/20	INORG	Copper	7440-50-8	T	2.02E-02		2.00E-02	1.3E+00	1.6E-02	8.0E-01	2.5E-02
MW-72S	MW-72S_05/13/20	N	05/13/20	INORG	Iron	7439-89-6	T	7.58E+01		5.00E+00	1.4E+01	5.4E+00	1.4E+01	5.4E+00
MW-72S	MW-72S_05/13/20	N	05/13/20	INORG	Lead	7439-92-1	T		U	1.50E-02	1.5E-02		1.5E-02	
MW-72S	MW-72S_05/13/20	N	05/13/20	INORG	Manganese	7439-96-5	T	1.15E+01		1.00E-02	4.8E-01	2.4E+01	4.3E-01	2.7E+01
MW-72S	MW-72S_05/13/20	N	05/13/20	INORG	Mercury	7439-97-6	T	6.00E-05	J	2.00E-04	2.0E-03	3.0E-02	5.7E-04	1.1E-01
MW-72S	MW-72S_05/13/20	N	05/13/20	INORG	Molybdenum	7439-98-7	T		U	1.00E-02	1.0E-01		1.0E-01	
MW-72S	MW-72S_05/13/20	N	05/13/20	INORG	Nickel	7440-02-0	T	1.50E-01		1.00E-02	4.0E-01	3.8E-01	3.9E-01	3.8E-01
MW-72S	MW-72S_05/13/20	N	05/13/20	INORG	Selenium	7782-49-2	T		U	5.00E-02	5.0E-02		1.0E-01	
MW-72S	MW-72S_05/13/20	N	05/13/20	INORG	Silver	7440-22-4	T		U	1.00E-02	1.0E-01		9.4E-02	
MW-72S	MW-72S_05/13/20	N	05/13/20	INORG	Thallium	7440-28-0	T		U	3.00E-02	2.0E-03		2.0E-04	
MW-72S	MW-72S_05/13/20	N	05/13/20	INORG	Vanadium	7440-62-2	T		U	1.00E-02	1.0E-01		8.6E-02	
MW-72S	MW-72S_05/13/20	N	05/13/20	INORG	Zinc	7440-66-6	T	4.43E-01		2.00E-02	6.0E+00	7.4E-02	6.0E+00	7.4E-02
MW-72S	MW-72S_08122020	N	08/12/20	INORG	Iron	7439-89-6	T	8.90E+01	HF	2.50E+00	1.4E+01	6.4E+00	1.4E+01	6.4E+00
MW-72S	MW-72S_08122020	N	08/12/20	INORG	Manganese	7439-96-5	T	7.50E+00		1.00E-02	4.8E-01	1.6E+01	4.3E-01	1.7E+01
MW-72S	410-33859-1_MW-72S	N	03/25/21	SVOC	Naphthalene	91-20-3	T		U	8.10E-04	6.5E-03		1.2E-03	
MW-72S	MW-72S-03252021	N	03/25/21	SVOC	Naphthalene	91-20-3	T		U	3.00E-04	6.5E-03		1.2E-03	
MW-72S	MW72S-210517	N	05/17/21	SVOC	Naphthalene	91-20-3	T		U	6.80E-05	6.5E-03		1.2E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Acetone	67-64-1	T		U	1.00E-01	1.8E+01		1.8E+01	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Acrylonitrile	107-13-1	T		U	1.00E-02	1.4E-03		5.2E-04	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Benzene	71-43-2	T		U	2.00E-03	5.0E-03		4.6E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Bromobenzene	108-86-1	T		U	2.00E-03	1.6E-01		6.2E-02	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Bromochloromethane	74-97-5	T		U	2.00E-03			8.3E-02	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Bromodichloromethane	75-27-4	T		U	1.00E-03	8.0E-02		1.3E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Bromoform	75-25-2	T		U	2.00E-03	8.0E-02		3.3E-02	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Bromomethane	74-83-9	T		U	1.00E-02	2.8E-02		7.5E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	2-Butanone	78-93-3	T		U	4.00E-02	1.2E+01		5.6E+00	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	n-Butylbenzene	104-51-8	T		U	2.00E-03	1.0E+00		1.0E+00	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	sec-Butylbenzene	135-98-8	T		U	2.00E-03	2.0E+00		2.0E+00	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	tert-Butylbenzene	98-06-6	T		U	2.00E-03	2.0E+00		6.9E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Carbon Disulfide	75-15-0	T		U	1.00E-02	2.0E+00		8.1E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Carbon Tetrachloride	56-23-5	T		U	1.00E-02	5.0E-03		4.6E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Chlorobenzene	108-90-7	T		U	2.00E-03	1.0E-01		7.8E-02	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Chloroethane	75-00-3	T		U	4.00E-03			8.3E+00	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Chloroform	67-66-3	T		U	4.00E-03	8.0E-02		2.2E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Chloromethane	74-87-3	T		U	4.00E-03			1.9E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	2-Chlorotoluene	95-49-8	T		U	2.00E-03	4.0E-01		2.4E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	4-Chlorotoluene	106-43-4	T		U	2.00E-03	4.0E-01		2.5E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Cumene	98-82-8	T		U	2.00E-03	2.0E+00		4.5E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	p-Cymene	99-87-6	T		U	2.00E-03				
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	1.00E-02	2.0E-04		3.3E-06	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Dibromochloromethane	124-48-1	T		U	1.00E-03	8.0E-02		8.7E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Dibromomethane	74-95-3	T		U	2.00E-03			8.3E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6	T		U	4.00E-03			1.3E-05	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	1,2-Dichlorobenzene	95-50-1	T		U	2.00E-03	6.0E-01		3.0E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	1,3-Dichlorobenzene	541-73-1	T		U	2.00E-03	1.4E-01		4.8E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	1,4-Dichlorobenzene	106-46-7	T		U	2.00E-03	7.5E-02		4.8E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Dichlorodifluoromethane	75-71-8	T		U	4.00E-03	4.0E+00		2.0E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	1,1-Dichloroethane	75-34-3	T		U	2.00E-03	1.4E-01		2.8E-02	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	1,2-Dichloroethane	107-06-2	T		U	2.00E-03	5.0E-03		1.7E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	1,1-Dichloroethene	75-35-4	T		U	2.00E-03	7.0E-03		2.8E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	2.00E-03	7.0E-02		2.5E-02	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	2.00E-03	1.0E-01		6.8E-02	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	1,2-Dichloropropane	78-87-5	T		U	2.00E-03	5.0E-03		8.2E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	1,3-Dichloropropane	142-28-9	T		U	1.00E-03	4.0E-01		3.7E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	2,2-Dichloropropane	594-20-7	T		U	2.00E-03				
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	1,1-Dichloropropene	563-58-6	T		U	4.00E-03				
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	1.00E-03	7.8E-03		4.7E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	1,4-Dioxane	123-91-1	T		U	1.00E-01	7.8E-03		4.6E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Ethanol	64-17-5	T		U	1.00E+01				
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Ethyl tert-butyl ether	637-92-3	T		U	1.00E-03	2.0E+01		7.0E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Ethyl Benzene	100-41-4	T		U	2.00E-03	7.0E-01		1.5E-02	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Diethyl ether	60-29-7	T		U	4.00E-03	4.0E+00		3.9E+00	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	2-Hexanone	591-78-6	T		U	2.00E-02	1.0E-01		3.8E-02	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Isopropanol	67-63-0	T		U	1.00E+01	4.0E+01		4.1E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Methanol	67-56-1	T		U	1.00E+01	4.0E+01		2.0E+01	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Methyl Acetate	79-20-9	T		U	2.00E-03	2.0E+01		2.0E+01	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	2.00E-03	4.3E-01		1.4E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	4-Methyl-2-pentanone	108-10-1	T		U	2.00E-02			6.3E+00	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Methylcyclohexane	108-87-2	T		U	2.00E-03			1.3E+01	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Methylene Chloride	75-09-2	T		U	1.00E-02	5.0E-03		1.1E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Diisopropyl ether	108-20-3	T		U	1.00E-03			1.5E+00	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	n-Propylbenzene	103-65-1	T		U	2.00E-03	2.0E+00		6.6E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Styrene	100-42-5	T		U	2.00E-03	1.0E-01		1.2E+00	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	tert-Butyl alcohol	75-65-0	T		U	4.00E-02	1.6E+00		1.5E+00	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6	T		U	2.00E-03	3.0E-02		5.7E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	1.00E-03	3.9E-03		7.6E-04	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Tetrachloroethene	127-18-4	T		U	2.00E-03	5.0E-03		4.1E-02	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Tetrahydrofuran	109-99-9	T		U	2.00E-02	1.8E+01		3.4E+00	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Toluene	108-88-3	T		U	2.00E-03	1.0E+00		1.1E+00	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	1,2,3-Trichlorobenzene	87-61-6	T		U	1.00E-02	1.6E-02		7.0E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	2.00E-03	7.0E-02		4.0E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	1,3,5-Trichlorobenzene	108-70-3	T		U	2.00E-03				
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	1,1,1-Trichloroethane	71-55-6	T		U	2.00E-03	2.0E-01		8.0E+00	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	1,1,2-Trichloroethane	79-00-5	T		U	2.00E-03	5.0E-03		4.1E-04	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Trichloroethene	79-01-6	T		U	2.00E-03	5.0E-03		2.8E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Trichlorofluoromethane	75-69-4	T		U	4.00E-03	6.0E+00		5.2E+00	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	1,2,3-Trichloropropane	96-18-4	T		U	4.00E-03	8.4E-06		7.5E-06	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	2.00E-03	6.0E+02		1.0E+01	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	1,2,4-Trimethylbenzene	95-63-6	T		U	2.00E-03	2.0E-01		5.6E-02	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	1,3,5-Trimethylbenzene	108-67-8	T		U	2.00E-03	2.0E-01		6.0E-02	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Vinyl Chloride	75-01-4	T		U	4.00E-03	2.0E-03		1.9E-04	
MW-72S	HRP-MW72S-211027	N	10/27/21	VOC	Xylenes (total)	1330-20-7	T		U	4.00E-03	1.0E+01		1.9E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Acenaphthene	83-32-9	T		U	5.20E-03	1.2E+00		5.3E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Acenaphthylene	208-96-8	T		U	5.20E-03	6.0E-01		1.2E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Acetophenone	98-86-2	T		U	1.00E-02	2.0E+00		1.9E+00	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	t-Amyl methyl ether	994-05-8	T		U	1.00E-03				
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Aniline	62-53-3	T		U	5.20E-03	1.4E-01		1.3E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Anthracene	120-12-7	T		U	5.20E-03	6.0E+00		1.8E+00	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Benzidine	92-87-5	T		U	2.10E-02	1.1E-06		1.1E-06	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Benzo(a)anthracene	56-55-3	T		U	5.20E-03	2.5E-03		3.0E-04	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Benzo(a)pyrene	50-32-8	T		U	5.20E-03	2.0E-04		2.5E-04	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	5.20E-03	2.5E-03		2.5E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	5.20E-03	6.0E-01		1.2E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	5.20E-03	2.5E-02		2.5E-02	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Benzoic Acid	65-85-0	T		U	1.00E-02	8.0E+01		7.5E+01	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	1.00E-02	6.0E-02		5.9E-02	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	1.00E-02	7.1E-04		1.4E-04	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.00E-02	6.0E-03		5.6E-02	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	1.00E-02				
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Butylbenzylphthalate	85-68-7	T		U	1.00E-02	4.1E-01		1.6E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Carbazole	86-74-8	T		U	1.00E-02	8.0E-01		2.9E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	1.00E-02	2.0E+00		1.4E+00	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	4-Chloroaniline	106-47-8	T		U	1.00E-02	3.9E-03		3.7E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-02	1.6E+00		7.5E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	2-Chlorophenol	95-57-8	T		U	1.00E-02	1.0E-01		9.1E-02	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	1.00E-02				
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Chrysene	218-01-9	T		U	5.20E-03	2.5E-01		2.5E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	5.20E-03	2.5E-04		2.5E-04	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Dibenzofuran	132-64-9	T		U	5.20E-03	2.0E-02		7.9E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.00E-02	1.7E-03		1.3E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	2,4-Dichlorophenol	120-83-2	T		U	1.00E-02	6.0E-02		4.6E-02	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Diethylphthalate	84-66-2	T		U	1.00E-02	1.6E+01		1.5E+01	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.00E-02	4.0E-01		3.6E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Dimethylphthalate	131-11-3	T		U	1.00E-02	1.6E+01		1.5E+01	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Di-n-butylphthalate	84-74-2	T		U	1.00E-02	2.0E+00		9.0E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	1.00E-02	1.6E-03		1.5E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	2,4-Dinitrophenol	51-28-5	T		U	1.00E-02	4.0E-02		3.9E-02	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.00E-02	2.0E-01		2.0E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	1,2-Diphenylhydrazine	122-66-7	T		U	1.00E-02	9.7E-04		7.8E-04	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Ethylene Glycol	107-21-1	T		U	1.00E+01	1.6E+01		1.6E+01	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Fluoranthene	206-44-0	T		U	5.20E-03	8.0E-01		8.0E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Fluorene	86-73-7	T		U	5.20E-03	8.0E-01		2.9E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Hexachlorobenzene	118-74-1	T		U	1.00E-02	1.0E-03		9.8E-05	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Hexachlorobutadiene	87-68-3	T		U	1.20E-03	1.0E-02		1.4E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.00E-02	5.0E-02		4.1E-04	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Hexachloroethane	67-72-1	T		U	1.00E-02	1.4E-02		3.3E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	5.20E-03	2.5E-03		2.5E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Isophorone	78-59-1	T		U	1.00E-02	8.2E-01		7.8E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	1-Methylnaphthalene	90-12-0	T		U	5.20E-03	2.7E-02		1.1E-02	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	2-Methylnaphthalene	91-57-6	T		U	5.20E-03	8.0E-02		3.6E-02	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	2-Methylphenol	95-48-7	T		U	1.00E-02	1.0E+00		9.3E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	3&4-Methylphenol	65794-96-9	T		U	1.00E-02				
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Naphthalene	91-20-3	T		U	4.00E-03	6.5E-03		1.2E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	2-Nitroaniline	88-74-4	T		U	1.00E-02	2.0E-01		1.9E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	3-Nitroaniline	99-09-2	T		U	1.00E-02	3.9E-02		3.8E-02	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	4-Nitroaniline	100-01-6	T		U	1.00E-02	3.9E-02		3.8E-02	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	2-Nitrophenol	88-75-5	T		U	1.00E-02				
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	4-Nitrophenol	100-02-7	T		U	1.00E-02				
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	N-Nitrosodimethylamine	62-75-9	T		U	1.00E-02	4.9E-06		1.1E-06	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	1.00E-02	1.6E-01		1.2E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	1.00E-02	1.1E-04		1.1E-04	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	1.00E-02	8.0E-01		7.1E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Pentachloronitrobenzene	82-68-8	T		U	1.00E-02	3.0E-03		1.2E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Pentachlorophenol	87-86-5	T		U	1.00E-02	1.0E-03		4.1E-04	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Phenanthrene	85-01-8	T		U	5.20E-03	6.0E-01		1.2E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Phenol	108-95-2	T		U	1.00E-02	6.0E+00		5.8E+00	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Propylene glycol	57-55-6	T		U	1.00E+01	4.0E+02		4.0E+02	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Pyrene	129-00-0	T		U	5.20E-03	6.0E-01		1.2E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Pyridine	110-86-1	T		U	5.20E-03	2.0E-02		2.0E-02	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3	T		U	1.00E-02	6.0E-04		1.7E-04	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	1.00E-02	2.0E+00		1.2E+00	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	1.00E-02	2.0E-02		1.2E-02	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	1.00E-02	2.5E-03		2.4E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	1.00E-02	5.2E-04		4.9E-04	
MW-72S	HRP-MW72S-211027	N	10/27/21	SVOC	Nitrobenzene	98-95-3	T		U	1.00E-02	4.0E-02		1.4E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Aluminum	7429-90-5	D	5.80E-02		5.00E-02	2.0E+01	2.9E-03	2.0E+01	2.9E-03
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Aluminum	7429-90-5	T	8.60E-02		5.00E-02	2.0E+01	4.3E-03	2.0E+01	4.3E-03
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Antimony	7440-36-0	D		U	1.00E-03	6.0E-03		7.8E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Antimony	7440-36-0	T		U	1.00E-03	6.0E-03		7.8E-03	
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Arsenic	7440-38-2	D	1.40E-03		8.00E-04	1.0E-02	1.4E-01	5.2E-04	2.7E+00
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Arsenic	7440-38-2	T	1.70E-03		8.00E-04	1.0E-02	1.7E-01	5.2E-04	3.3E+00
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Barium	7440-39-3	D	1.30E-02		1.00E-02	2.0E+00	6.5E-03	3.8E+00	3.4E-03
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Barium	7440-39-3	T	1.30E-02		1.00E-02	2.0E+00	6.5E-03	3.8E+00	3.4E-03
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Beryllium	7440-41-7	D	8.30E-05	J	4.00E-04	4.0E-03	2.1E-02	2.5E-02	3.3E-03
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Beryllium	7440-41-7	T	9.90E-05	J	4.00E-04	4.0E-03	2.5E-02	2.5E-02	4.0E-03
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Cadmium	7440-43-9	D	5.00E-05	J	2.00E-04	5.0E-03	1.0E-02	1.8E-03	2.8E-02
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Cadmium	7440-43-9	T	7.90E-05	J	2.00E-04	5.0E-03	1.6E-02	1.8E-03	4.4E-02
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Chromium (total)	7440-47-3	D		U	1.00E-03	1.0E-01		2.2E+01	
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Chromium (total)	7440-47-3	T		U	1.00E-03	1.0E-01		2.2E+01	
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Cobalt	7440-48-4	D	9.40E-02		1.00E-03	6.0E-03	1.6E+01	6.0E-03	1.6E+01
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Cobalt	7440-48-4	T	9.50E-02		1.00E-03	6.0E-03	1.6E+01	6.0E-03	1.6E+01
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Copper	7440-50-8	D	3.30E-03		1.00E-03	1.3E+00	2.5E-03	8.0E-01	4.1E-03
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Copper	7440-50-8	T	1.30E-02		1.00E-03	1.3E+00	1.0E-02	8.0E-01	1.6E-02
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Iron	7439-89-6	D	1.90E+02		5.00E-02	1.4E+01	1.4E+01	1.4E+01	1.4E+01
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Iron	7439-89-6	T	1.80E+02		5.00E-02	1.4E+01	1.3E+01	1.4E+01	1.3E+01
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Lead	7439-92-1	D	4.00E-04	J	5.00E-04	1.5E-02	2.7E-02	1.5E-02	2.7E-02
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Lead	7439-92-1	T	1.20E-03		5.00E-04	1.5E-02	8.0E-02	1.5E-02	8.0E-02
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Manganese	7439-96-5	D	4.80E+00		1.00E-03	4.8E-01	1.0E+01	4.3E-01	1.1E+01
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Manganese	7439-96-5	T	4.70E+00		1.00E-03	4.8E-01	9.8E+00	4.3E-01	1.1E+01
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Mercury	7439-97-6	D		U	1.00E-04	2.0E-03		5.7E-04	
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Mercury	7439-97-6	T	6.00E-05	J	1.00E-04	2.0E-03	3.0E-02	5.7E-04	1.1E-01
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Nickel	7440-02-0	D	1.70E-02		5.00E-03	4.0E-01	4.3E-02	3.9E-01	4.4E-02
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Nickel	7440-02-0	T	1.70E-02		5.00E-03	4.0E-01	4.3E-02	3.9E-01	4.4E-02
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Selenium	7782-49-2	D		U	5.00E-03	5.0E-02		1.0E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Selenium	7782-49-2	T		U	5.00E-03	5.0E-02		1.0E-01	
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Silver	7440-22-4	D		U	2.00E-04	1.0E-01		9.4E-02	
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Silver	7440-22-4	T		U	2.00E-04	1.0E-01		9.4E-02	
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Thallium	7440-28-0	D		U	2.00E-04	2.0E-03		2.0E-04	
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Thallium	7440-28-0	T		U	2.00E-04	2.0E-03		2.0E-04	
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Vanadium	7440-62-2	D		U	5.00E-03	1.0E-01		8.6E-02	
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Vanadium	7440-62-2	T		U	5.00E-03	1.0E-01		8.6E-02	
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Zinc	7440-66-6	D	2.70E-02		1.00E-02	6.0E+00	4.5E-03	6.0E+00	4.5E-03
MW-72S	HRP-MW72S-211027	N	10/27/21	INORG	Zinc	7440-66-6	T	2.60E-02		1.00E-02	6.0E+00	4.3E-03	6.0E+00	4.3E-03

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	Acetone	67-64-1	T	2.00E-03	J	2.00E-02	1.8E+01	1.1E-04	1.8E+01	1.1E-04
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	Benzene	71-43-2	T	3.00E-03		1.00E-03	5.0E-03	6.0E-01	4.6E-03	6.5E-01
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	Bromodichloromethane	75-27-4	T		U	1.00E-03	8.0E-02		1.3E-03	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	Bromoform	75-25-2	T		U	5.00E-03	8.0E-02		3.3E-02	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	Bromomethane	74-83-9	T		U	1.00E-03	2.8E-02		7.5E-03	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	2-Butanone	78-93-3	T	1.00E-03	J	1.00E-02	1.2E+01	8.3E-05	5.6E+00	1.8E-04
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	Carbon Tetrachloride	56-23-5	T		U	1.00E-03	5.0E-03		4.6E-03	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	Chloroethane	75-00-3	T		U	1.00E-03			8.3E+00	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	Chloroform	67-66-3	T		U	1.00E-03	8.0E-02		2.2E-03	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	Chloromethane	74-87-3	T		U	1.00E-03			1.9E-01	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	Cumene	98-82-8	T	8.00E-04	J	5.00E-03	2.0E+00	4.0E-04	4.5E-01	1.8E-03
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	Cyclohexane	110-82-7	T		U	5.00E-03			1.3E+01	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	Dibromochloromethane	124-48-1	T		U	1.00E-03	8.0E-02		8.7E-03	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	1,2-Dichlorobenzene	95-50-1	T		U	5.00E-03	6.0E-01		3.0E-01	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	1,3-Dichlorobenzene	541-73-1	T		U	5.00E-03	1.4E-01		4.8E-03	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	1,4-Dichlorobenzene	106-46-7	T		U	5.00E-03	7.5E-02		4.8E-03	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	Dichlorodifluoromethane	75-71-8	T		U	1.00E-03	4.0E+00		2.0E-01	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	1.00E-03	7.8E-03		4.7E-03	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	Ethyl Benzene	100-41-4	T	2.00E-03		1.00E-03	7.0E-01	2.9E-03	1.5E-02	1.3E-01
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	Methyl Acetate	79-20-9	T		U	5.00E-03	2.0E+01		2.0E+01	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	Methylcyclohexane	108-87-2	T		U	5.00E-03			1.3E+01	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	Methylene Chloride	75-09-2	T		U	1.00E-03	5.0E-03		1.1E-01	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	Styrene	100-42-5	T		U	5.00E-03	1.0E-01		1.2E+00	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	1.00E-03	3.9E-03		7.6E-04	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	Tetrachloroethene	127-18-4	T		U	1.00E-03	5.0E-03		4.1E-02	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	Toluene	108-88-3	T	2.00E-04	J	1.00E-03	1.0E+00	2.0E-04	1.1E+00	1.8E-04
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	5.00E-03	7.0E-02		4.0E-03	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	Trichlorofluoromethane	75-69-4	T		U	1.00E-03	6.0E+00		5.2E+00	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-02	6.0E+02		1.0E+01	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	Vinyl Chloride	75-01-4	T		U	1.00E-03	2.0E-03		1.9E-04	
RW-05S	RW-05S_05/11/20	N	05/11/20	VOC	Xylenes (total)	1330-20-7	T	2.00E-03	J	5.00E-03	1.0E+01	2.0E-04	1.9E-01	1.1E-02
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Acenaphthene	83-32-9	T		U	5.00E-04	1.2E+00		5.3E-01	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Acenaphthylene	208-96-8	T		U	5.00E-04	6.0E-01		1.2E-01	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Acetophenone	98-86-2	T		U	1.00E-02	2.0E+00		1.9E+00	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Anthracene	120-12-7	T		U	5.00E-04	6.0E+00		1.8E+00	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Atrazine	1912-24-9	T		U	5.00E-03	3.0E-03		3.0E-03	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Benzaldehyde	100-52-7	T		U	1.00E-02	1.9E-01		1.9E-01	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	5.00E-04	2.5E-03		3.0E-04	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	5.00E-04	2.0E-04		2.5E-04	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	5.00E-04	2.5E-03		2.5E-03	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	5.00E-04	6.0E-01		1.2E-01	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	5.00E-04	2.5E-02		2.5E-02	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-02	9.7E-02		8.3E-04	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	2.00E-03	6.0E-02		5.9E-02	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	2.00E-03	7.1E-04		1.4E-04	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.10E-02	6.0E-03		5.6E-02	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	2.00E-03				
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Butylbenzylphthalate	85-68-7	T		U	5.00E-03	4.1E-01		1.6E-01	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Caprolactam	105-60-2	T		U	1.10E-02	1.0E+01		9.9E+00	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Carbazole	86-74-8	T		U	2.00E-03	8.0E-01		2.9E-01	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	4.00E-03	2.0E+00		1.4E+00	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	4-Chloroaniline	106-47-8	T		U	1.00E-02	3.9E-03		3.7E-03	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-03	1.6E+00		7.5E-01	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	2-Chlorophenol	95-57-8	T		U	2.00E-03	1.0E-01		9.1E-02	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	2.00E-03				
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Chrysene	218-01-9	T		U	5.00E-04	2.5E-01		2.5E-01	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	5.00E-04	2.5E-04		2.5E-04	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-03	2.0E-02		7.9E-03	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.00E-02	1.7E-03		1.3E-03	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	2,4-Dichlorophenol	120-83-2	T		U	2.00E-03	6.0E-02		4.6E-02	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Diethylphthalate	84-66-2	T		U	5.00E-03	1.6E+01		1.5E+01	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.00E-02	4.0E-01		3.6E-01	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Dimethylphthalate	131-11-3	T		U	5.00E-03	1.6E+01		1.5E+01	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Di-n-butylphthalate	84-74-2	T	3.00E-03	J	5.00E-03	2.0E+00	1.5E-03	9.0E-01	3.3E-03
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	2.20E-02	1.6E-03		1.5E-03	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	2,4-Dinitrophenol	51-28-5	T		U	3.10E-02	4.0E-02		3.9E-02	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.10E-02	2.0E-01		2.0E-01	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Fluoranthene	206-44-0	T		U	5.00E-04	8.0E-01		8.0E-01	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Fluorene	86-73-7	T	6.00E-04		5.00E-04	8.0E-01	7.5E-04	2.9E-01	2.1E-03
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Hexachlorobenzene	118-74-1	T		U	5.00E-04	1.0E-03		9.8E-05	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Hexachlorobutadiene	87-68-3	T		U	2.00E-03	1.0E-02		1.4E-03	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.10E-02	5.0E-02		4.1E-04	



**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Hexachloroethane	67-72-1	T		U	5.00E-03	1.4E-02		3.3E-03	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	5.00E-04	2.5E-03		2.5E-03	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Isophorone	78-59-1	T		U	2.00E-03	8.2E-01		7.8E-01	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	5.00E-04	8.0E-02		3.6E-02	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	2-Methylphenol	95-48-7	T	6.00E-04	J	2.00E-03	1.0E+00	6.0E-04	9.3E-01	6.5E-04
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	4-Methylphenol	106-44-5	T		U	2.00E-03	4.0E-01		3.7E-01	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Naphthalene	91-20-3	T		U	5.00E-04	6.5E-03		1.2E-03	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	2-Nitroaniline	88-74-4	T		U	7.00E-03	2.0E-01		1.9E-01	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	3-Nitroaniline	99-09-2	T		U	7.00E-03	3.9E-02		3.8E-02	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	4-Nitroaniline	100-01-6	T		U	3.00E-03	3.9E-02		3.8E-02	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	2-Nitrophenol	88-75-5	T		U	1.00E-02				
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	4-Nitrophenol	100-02-7	T		U	3.10E-02				
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	3.00E-03	1.6E-01		1.2E-01	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	3.00E-03	1.1E-04		1.1E-04	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	2.00E-03	8.0E-01		7.1E-01	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Pentachlorophenol	87-86-5	T		U	5.00E-03	1.0E-03		4.1E-04	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Phenanthrene	85-01-8	T		U	5.00E-04	6.0E-01		1.2E-01	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Phenol	108-95-2	T		U	2.00E-03	6.0E+00		5.8E+00	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Pyrene	129-00-0	T	4.00E-04	J	5.00E-04	6.0E-01	6.7E-04	1.2E-01	3.3E-03
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	2.00E-03	2.0E+00		1.2E+00	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	2.00E-03	2.0E-02		1.2E-02	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	5.00E-03	2.5E-03		2.4E-03	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	2.00E-03	5.2E-04		4.9E-04	
RW-05S	RW-05S_05/11/20	N	05/11/20	SVOC	Nitrobenzene	98-95-3	T		U	2.00E-03	4.0E-02		1.4E-03	
RW-05S	RW-05S_05/11/20	N	05/11/20	INORG	Antimony	7440-36-0	T		U	5.00E-02	6.0E-03		7.8E-03	
RW-05S	RW-05S_05/11/20	N	05/11/20	INORG	Arsenic	7440-38-2	T		U	3.00E-02	1.0E-02		5.2E-04	
RW-05S	RW-05S_05/11/20	N	05/11/20	INORG	Barium	7440-39-3	T	1.00E-01		5.00E-03	2.0E+00	5.0E-02	3.8E+00	2.6E-02
RW-05S	RW-05S_05/11/20	N	05/11/20	INORG	Beryllium	7440-41-7	T		U	5.00E-03	4.0E-03		2.5E-02	
RW-05S	RW-05S_05/11/20	N	05/11/20	INORG	Cadmium	7440-43-9	T		U	5.00E-03	5.0E-03		1.8E-03	
RW-05S	RW-05S_05/11/20	N	05/11/20	INORG	Chromium (total)	7440-47-3	T	2.20E-03	J	1.50E-02	1.0E-01	2.2E-02	2.2E+01	1.0E-04
RW-05S	RW-05S_05/11/20	N	05/11/20	INORG	Cobalt	7440-48-4	T	5.70E-03		5.00E-03	6.0E-03	9.5E-01	6.0E-03	9.5E-01
RW-05S	RW-05S_05/11/20	N	05/11/20	INORG	Copper	7440-50-8	T		U	2.00E-02	1.3E+00		8.0E-01	
RW-05S	RW-05S_05/11/20	N	05/11/20	INORG	Lead	7439-92-1	T		U	1.50E-02	1.5E-02		1.5E-02	
RW-05S	RW-05S_05/11/20	N	05/11/20	INORG	Mercury	7439-97-6	T		U	2.00E-04	2.0E-03		5.7E-04	
RW-05S	RW-05S_05/11/20	N	05/11/20	INORG	Molybdenum	7439-98-7	T		U	1.00E-02	1.0E-01		1.0E-01	
RW-05S	RW-05S_05/11/20	N	05/11/20	INORG	Nickel	7440-02-0	T	2.35E-02		1.00E-02	4.0E-01	5.9E-02	3.9E-01	6.0E-02
RW-05S	RW-05S_05/11/20	N	05/11/20	INORG	Selenium	7782-49-2	T		U	5.00E-02	5.0E-02		1.0E-01	
RW-05S	RW-05S_05/11/20	N	05/11/20	INORG	Silver	7440-22-4	T		U	1.00E-02	1.0E-01		9.4E-02	
RW-05S	RW-05S_05/11/20	N	05/11/20	INORG	Thallium	7440-28-0	T		U	3.00E-02	2.0E-03		2.0E-04	
RW-05S	RW-05S_05/11/20	N	05/11/20	INORG	Vanadium	7440-62-2	T	1.45E-02		1.00E-02	1.0E-01	1.5E-01	8.6E-02	1.7E-01
RW-05S	RW-05S_05/11/20	N	05/11/20	INORG	Zinc	7440-66-6	T	1.18E-02	J	2.00E-02	6.0E+00	2.0E-03	6.0E+00	2.0E-03
RW-05S	410-33562-1_RW-05S	N	03/24/21	SVOC	Naphthalene	91-20-3	T	2.50E-03		8.20E-04	6.5E-03	3.8E-01	1.2E-03	2.1E+00
RW-05S	RW-05S-03242021	N	03/24/21	SVOC	Naphthalene	91-20-3	T	2.50E-03		3.10E-04	6.5E-03	3.8E-01	1.2E-03	2.1E+00
RW-05S	RW05S-210519	N	05/19/21	SVOC	Naphthalene	91-20-3	T		UF1	6.10E-05	6.5E-03		1.2E-03	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
RW-05S	HRP-RW05S-211102	N	11/02/21	SVOC	Naphthalene	91-20-3	T		U	6.40E-04	6.5E-03		1.2E-03	
RW-05S	HRP-RW-05S-220504	N	05/04/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
RW-05S	HRP-RW05S-221020	N	10/20/22	SVOC	Naphthalene	91-20-3	T		U	5.00E-03	6.5E-03		1.2E-03	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	Acetone	67-64-1	T	4.00E-03	J	2.00E-02	1.8E+01	2.2E-04	1.8E+01	2.2E-04
RW-1	RW-1_05/12/20	N	05/12/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	Bromodichloromethane	75-27-4	T		U	1.00E-03	8.0E-02		1.3E-03	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	Bromoform	75-25-2	T		U	5.00E-03	8.0E-02		3.3E-02	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	Bromomethane	74-83-9	T		U	1.00E-03	2.8E-02		7.5E-03	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	2-Butanone	78-93-3	T		U	1.00E-02	1.2E+01		5.6E+00	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	Carbon Tetrachloride	56-23-5	T		U	1.00E-03	5.0E-03		4.6E-03	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	Chloroethane	75-00-3	T		U	1.00E-03			8.3E+00	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	Chloroform	67-66-3	T		U	1.00E-03	8.0E-02		2.2E-03	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	Chloromethane	74-87-3	T		U	1.00E-03			1.9E-01	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	Cumene	98-82-8	T		U	5.00E-03	2.0E+00		4.5E-01	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	Cyclohexane	110-82-7	T		U	5.00E-03			1.3E+01	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	Dibromochloromethane	124-48-1	T		U	1.00E-03	8.0E-02		8.7E-03	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	1,2-Dichlorobenzene	95-50-1	T		U	5.00E-03	6.0E-01		3.0E-01	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	1,3-Dichlorobenzene	541-73-1	T		U	5.00E-03	1.4E-01		4.8E-03	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	1,4-Dichlorobenzene	106-46-7	T		U	5.00E-03	7.5E-02		4.8E-03	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	Dichlorodifluoromethane	75-71-8	T		U	1.00E-03	4.0E+00		2.0E-01	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	1.00E-03	7.8E-03		4.7E-03	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	Methyl Acetate	79-20-9	T		U	5.00E-03	2.0E+01		2.0E+01	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	Methylcyclohexane	108-87-2	T		U	5.00E-03			1.3E+01	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	Methylene Chloride	75-09-2	T		U	1.00E-03	5.0E-03		1.1E-01	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	Styrene	100-42-5	T		U	5.00E-03	1.0E-01		1.2E+00	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	1.00E-03	3.9E-03		7.6E-04	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	Tetrachloroethene	127-18-4	T		U	1.00E-03	5.0E-03		4.1E-02	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	5.00E-03	7.0E-02		4.0E-03	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
RW-1	RW-1_05/12/20	N	05/12/20	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	Trichlorofluoromethane	75-69-4	T		U	1.00E-03	6.0E+00		5.2E+00	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-02	6.0E+02		1.0E+01	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	Vinyl Chloride	75-01-4	T		U	1.00E-03	2.0E-03		1.9E-04	
RW-1	RW-1_05/12/20	N	05/12/20	VOC	Xylenes (total)	1330-20-7	T		U	5.00E-03	1.0E+01		1.9E-01	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Acenaphthene	83-32-9	T		U	1.00E-03	1.2E+00		5.3E-01	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Acenaphthylene	208-96-8	T		U	1.00E-03	6.0E-01		1.2E-01	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Acetophenone	98-86-2	T		U	2.00E-02	2.0E+00		1.9E+00	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Anthracene	120-12-7	T		U	1.00E-03	6.0E+00		1.8E+00	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Atrazine	1912-24-9	T		U	1.00E-02	3.0E-03		3.0E-03	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Benzaldehyde	100-52-7	T		U	2.00E-02	1.9E-01		1.9E-01	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	1.00E-03	2.5E-03		3.0E-04	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	1.00E-03	2.0E-04		2.5E-04	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	1.00E-03	2.5E-03		2.5E-03	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	1.00E-03	6.0E-01		1.2E-01	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	1.00E-03	2.5E-02		2.5E-02	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	1,1-Biphenyl	92-52-4	T		U	2.00E-02	9.7E-02		8.3E-04	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	4.00E-03	6.0E-02		5.9E-02	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	4.00E-03	7.1E-04		1.4E-04	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	2.20E-02	6.0E-03		5.6E-02	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	4.00E-03				
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Butylbenzylphthalate	85-68-7	T		U	1.00E-02	4.1E-01		1.6E-01	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Caprolactam	105-60-2	T		U	2.20E-02	1.0E+01		9.9E+00	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Carbazole	86-74-8	T		U	4.00E-03	8.0E-01		2.9E-01	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	7.00E-03	2.0E+00		1.4E+00	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	4-Chloroaniline	106-47-8	T		U	2.00E-02	3.9E-03		3.7E-03	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	2-Chloronaphthalene	91-58-7	T		U	2.00E-03	1.6E+00		7.5E-01	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	2-Chlorophenol	95-57-8	T		U	4.00E-03	1.0E-01		9.1E-02	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	4.00E-03				
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Chrysene	218-01-9	T		U	1.00E-03	2.5E-01		2.5E-01	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	1.00E-03	2.5E-04		2.5E-04	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Dibenzofuran	132-64-9	T		U	4.00E-03	2.0E-02		7.9E-03	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	2.00E-02	1.7E-03		1.3E-03	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	2,4-Dichlorophenol	120-83-2	T		U	4.00E-03	6.0E-02		4.6E-02	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Diethylphthalate	84-66-2	T		U	1.00E-02	1.6E+01		1.5E+01	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	2,4-Dimethylphenol	105-67-9	T		U	2.00E-02	4.0E-01		3.6E-01	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Dimethylphthalate	131-11-3	T		U	1.00E-02	1.6E+01		1.5E+01	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Di-n-butylphthalate	84-74-2	T		U	1.00E-02	2.0E+00		9.0E-01	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	4.20E-02	1.6E-03		1.5E-03	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	2,4-Dinitrophenol	51-28-5	T		U	6.00E-02	4.0E-02		3.9E-02	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Di-n-octylphthalate	117-84-0	T		U	2.20E-02	2.0E-01		2.0E-01	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Fluoranthene	206-44-0	T		U	1.00E-03	8.0E-01		8.0E-01	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Fluorene	86-73-7	T		U	1.00E-03	8.0E-01		2.9E-01	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Hexachlorobenzene	118-74-1	T		U	1.00E-03	1.0E-03		9.8E-05	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Hexachlorobutadiene	87-68-3	T		U	4.00E-03	1.0E-02		1.4E-03	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	2.20E-02	5.0E-02		4.1E-04	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Hexachloroethane	67-72-1	T		U	1.00E-02	1.4E-02		3.3E-03	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	1.00E-03	2.5E-03		2.5E-03	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Isophorone	78-59-1	T		U	4.00E-03	8.2E-01		7.8E-01	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	1.00E-03	8.0E-02		3.6E-02	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	2-Methylphenol	95-48-7	T		U	4.00E-03	1.0E+00		9.3E-01	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	4-Methylphenol	106-44-5	T		U	4.00E-03	4.0E-01		3.7E-01	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	2-Nitroaniline	88-74-4	T		U	1.40E-02	2.0E-01		1.9E-01	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	3-Nitroaniline	99-09-2	T		U	1.40E-02	3.9E-02		3.8E-02	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	4-Nitroaniline	100-01-6	T		U	6.00E-03	3.9E-02		3.8E-02	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	2-Nitrophenol	88-75-5	T		U	2.00E-02				
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	4-Nitrophenol	100-02-7	T		U	6.00E-02				
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	6.00E-03	1.6E-01		1.2E-01	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	6.00E-03	1.1E-04		1.1E-04	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	4.00E-03	8.0E-01		7.1E-01	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Pentachlorophenol	87-86-5	T		U	1.00E-02	1.0E-03		4.1E-04	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Phenanthrene	85-01-8	T		U	1.00E-03	6.0E-01		1.2E-01	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Phenol	108-95-2	T		U	4.00E-03	6.0E+00		5.8E+00	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Pyrene	129-00-0	T		U	1.00E-03	6.0E-01		1.2E-01	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	4.00E-03	2.0E+00		1.2E+00	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	4.00E-03	2.0E-02		1.2E-02	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	1.00E-02	2.5E-03		2.4E-03	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	4.00E-03	5.2E-04		4.9E-04	
RW-1	RW-1_05/12/20	N	05/12/20	SVOC	Nitrobenzene	98-95-3	T		U	4.00E-03	4.0E-02		1.4E-03	
RW-1	RW-1_05/12/20	N	05/12/20	INORG	Antimony	7440-36-0	T		U	5.00E-02	6.0E-03		7.8E-03	
RW-1	RW-1_05/12/20	N	05/12/20	INORG	Arsenic	7440-38-2	T		U	3.00E-02	1.0E-02		5.2E-04	
RW-1	RW-1_05/12/20	N	05/12/20	INORG	Barium	7440-39-3	T	1.77E-01		5.00E-03	2.0E+00	8.9E-02	3.8E+00	4.7E-02
RW-1	RW-1_05/12/20	N	05/12/20	INORG	Beryllium	7440-41-7	T		U	5.00E-03	4.0E-03		2.5E-02	
RW-1	RW-1_05/12/20	N	05/12/20	INORG	Cadmium	7440-43-9	T		U	5.00E-03	5.0E-03		1.8E-03	
RW-1	RW-1_05/12/20	N	05/12/20	INORG	Chromium (total)	7440-47-3	T		U	1.50E-02	1.0E-01		2.2E+01	
RW-1	RW-1_05/12/20	N	05/12/20	INORG	Cobalt	7440-48-4	T		U	5.00E-03	6.0E-03		6.0E-03	
RW-1	RW-1_05/12/20	N	05/12/20	INORG	Copper	7440-50-8	T		U	2.00E-02	1.3E+00		8.0E-01	
RW-1	RW-1_05/12/20	N	05/12/20	INORG	Lead	7439-92-1	T		U	1.50E-02	1.5E-02		1.5E-02	
RW-1	RW-1_05/12/20	N	05/12/20	INORG	Mercury	7439-97-6	T		U	2.00E-04	2.0E-03		5.7E-04	
RW-1	RW-1_05/12/20	N	05/12/20	INORG	Molybdenum	7439-98-7	T		U	1.00E-02	1.0E-01		1.0E-01	
RW-1	RW-1_05/12/20	N	05/12/20	INORG	Nickel	7440-02-0	T	5.50E-03	J	1.00E-02	4.0E-01	1.4E-02	3.9E-01	1.4E-02
RW-1	RW-1_05/12/20	N	05/12/20	INORG	Selenium	7782-49-2	T		U	5.00E-02	5.0E-02		1.0E-01	
RW-1	RW-1_05/12/20	N	05/12/20	INORG	Silver	7440-22-4	T		U	1.00E-02	1.0E-01		9.4E-02	
RW-1	RW-1_05/12/20	N	05/12/20	INORG	Thallium	7440-28-0	T		U	1.50E-01	2.0E-03		2.0E-04	
RW-1	RW-1_05/12/20	N	05/12/20	INORG	Vanadium	7440-62-2	T	3.20E-03	J	1.00E-02	1.0E-01	3.2E-02	8.6E-02	3.7E-02
RW-1	RW-1_05/12/20	N	05/12/20	INORG	Zinc	7440-66-6	T	9.10E-03	J	2.00E-02	6.0E+00	1.5E-03	6.0E+00	1.5E-03

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
RW-1	410-33859-1 RW-1	N	03/25/21	SVOC	Naphthalene	91-20-3	T		U	8.50E-04	6.5E-03		1.2E-03	
RW-1	RW-1-03252021	N	03/25/21	SVOC	Naphthalene	91-20-3	T		U	3.20E-04	6.5E-03		1.2E-03	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	Acetone	67-64-1	T		U	1.00E-01	1.8E+01		1.8E+01	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	Benzene	71-43-2	T		U	5.00E-03	5.0E-03		4.6E-03	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	Bromodichloromethane	75-27-4	T		U	5.00E-03	8.0E-02		1.3E-03	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	Bromoform	75-25-2	T		U	2.50E-02	8.0E-02		3.3E-02	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	Bromomethane	74-83-9	T		U	5.00E-03	2.8E-02		7.5E-03	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	2-Butanone	78-93-3	T	1.20E-02	J	5.00E-02	1.2E+01	1.0E-03	5.6E+00	2.1E-03
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	Carbon Disulfide	75-15-0	T		U	2.50E-02	2.0E+00		8.1E-01	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	Carbon Tetrachloride	56-23-5	T		U	5.00E-03	5.0E-03		4.6E-03	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	Chlorobenzene	108-90-7	T		U	5.00E-03	1.0E-01		7.8E-02	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	Chloroethane	75-00-3	T		U	5.00E-03			8.3E+00	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	Chloroform	67-66-3	T		U	5.00E-03	8.0E-02		2.2E-03	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	Chloromethane	74-87-3	T		U	5.00E-03			1.9E-01	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	Cumene	98-82-8	T		U	2.50E-02	2.0E+00		4.5E-01	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	Cyclohexane	110-82-7	T		U	2.50E-02			1.3E+01	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	2.50E-02	2.0E-04		3.3E-06	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	Dibromochloromethane	124-48-1	T		U	5.00E-03	8.0E-02		8.7E-03	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	1,2-Dibromoethane	106-93-4	T		U	5.00E-03	5.0E-05		7.5E-05	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	1,2-Dichlorobenzene	95-50-1	T		U	2.50E-02	6.0E-01		3.0E-01	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	1,3-Dichlorobenzene	541-73-1	T		U	2.50E-02	1.4E-01		4.8E-03	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	1,4-Dichlorobenzene	106-46-7	T		U	2.50E-02	7.5E-02		4.8E-03	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	Dichlorodifluoromethane	75-71-8	T		U	5.00E-03	4.0E+00		2.0E-01	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	1,1-Dichloroethane	75-34-3	T		U	5.00E-03	1.4E-01		2.8E-02	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	1,2-Dichloroethane	107-06-2	T		U	2.50E-02	5.0E-03		1.7E-03	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	1,1-Dichloroethene	75-35-4	T		U	5.00E-03	7.0E-03		2.8E-01	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	5.00E-03	7.0E-02		2.5E-02	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	5.00E-03	1.0E-01		6.8E-02	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	1,2-Dichloropropane	78-87-5	T		U	5.00E-03	5.0E-03		8.2E-03	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	5.00E-03	7.8E-03		4.7E-03	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	Ethyl Benzene	100-41-4	T		U	5.00E-03	7.0E-01		1.5E-02	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	2-Hexanone	591-78-6	T		U	5.00E-02	1.0E-01		3.8E-02	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	Methyl Acetate	79-20-9	T		U	2.50E-02	2.0E+01		2.0E+01	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	5.00E-03	4.3E-01		1.4E-01	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	4-Methyl-2-pentanone	108-10-1	T		U	5.00E-02			6.3E+00	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	Methylcyclohexane	108-87-2	T		U	2.50E-02			1.3E+01	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	Methylene Chloride	75-09-2	T		U	5.00E-03	5.0E-03		1.1E-01	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	Styrene	100-42-5	T		U	2.50E-02	1.0E-01		1.2E+00	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	5.00E-03	3.9E-03		7.6E-04	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	Tetrachloroethene	127-18-4	T		U	5.00E-03	5.0E-03		4.1E-02	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	Toluene	108-88-3	T		U	5.00E-03	1.0E+00		1.1E+00	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	2.50E-02	7.0E-02		4.0E-03	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	1,1,1-Trichloroethane	71-55-6	T		U	5.00E-03	2.0E-01		8.0E+00	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	1,1,2-Trichloroethane	79-00-5	T		U	5.00E-03	5.0E-03		4.1E-04	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	Trichloroethene	79-01-6	T		U	5.00E-03	5.0E-03		2.8E-03	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	Trichlorofluoromethane	75-69-4	T		U	5.00E-03	6.0E+00		5.2E+00	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	5.00E-02	6.0E+02		1.0E+01	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	Vinyl Chloride	75-01-4	T		U	5.00E-03	2.0E-03		1.9E-04	
RW-116S	RW-116S_05/14/20	N	05/14/20	VOC	Xylenes (total)	1330-20-7	T		U	2.50E-02	1.0E+01		1.9E-01	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Acenaphthene	83-32-9	T		U	5.00E-04	1.2E+00		5.3E-01	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Acenaphthylene	208-96-8	T		U	5.00E-04	6.0E-01		1.2E-01	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Acetophenone	98-86-2	T		U	1.00E-02	2.0E+00		1.9E+00	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Anthracene	120-12-7	T		U	5.00E-04	6.0E+00		1.8E+00	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Atrazine	1912-24-9	T		U	5.00E-03	3.0E-03		3.0E-03	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Benzaldehyde	100-52-7	T		U	1.00E-02	1.9E-01		1.9E-01	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	5.00E-04	2.5E-03		3.0E-04	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	5.00E-04	2.0E-04		2.5E-04	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	5.00E-04	2.5E-03		2.5E-03	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	5.00E-04	6.0E-01		1.2E-01	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	5.00E-04	2.5E-02		2.5E-02	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-02	9.7E-02		8.3E-04	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	2.00E-03	6.0E-02		5.9E-02	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	2.00E-03	7.1E-04		1.4E-04	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.10E-02	6.0E-03		5.6E-02	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	2.00E-03				
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Butylbenzylphthalate	85-68-7	T		U	5.00E-03	4.1E-01		1.6E-01	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Caprolactam	105-60-2	T		U	1.10E-02	1.0E+01		9.9E+00	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Carbazole	86-74-8	T		U	2.00E-03	8.0E-01		2.9E-01	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	4.00E-03	2.0E+00		1.4E+00	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	4-Chloroaniline	106-47-8	T		U	1.00E-02	3.9E-03		3.7E-03	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-03	1.6E+00		7.5E-01	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	2-Chlorophenol	95-57-8	T		U	2.00E-03	1.0E-01		9.1E-02	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	2.00E-03				
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Chrysene	218-01-9	T		U	5.00E-04	2.5E-01		2.5E-01	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	5.00E-04	2.5E-04		2.5E-04	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-03	2.0E-02		7.9E-03	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.00E-02	1.7E-03		1.3E-03	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	2,4-Dichlorophenol	120-83-2	T		U	2.00E-03	6.0E-02		4.6E-02	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Diethylphthalate	84-66-2	T		U	5.00E-03	1.6E+01		1.5E+01	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.00E-02	4.0E-01		3.6E-01	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Dimethylphthalate	131-11-3	T		U	5.00E-03	1.6E+01		1.5E+01	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Di-n-butylphthalate	84-74-2	T		U	5.00E-03	2.0E+00		9.0E-01	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	2.10E-02	1.6E-03		1.5E-03	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	2,4-Dinitrophenol	51-28-5	T		U	3.10E-02	4.0E-02		3.9E-02	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.10E-02	2.0E-01		2.0E-01	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Fluoranthene	206-44-0	T		U	5.00E-04	8.0E-01		8.0E-01	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Fluorene	86-73-7	T		U	5.00E-04	8.0E-01		2.9E-01	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Hexachlorobenzene	118-74-1	T		U	5.00E-04	1.0E-03		9.8E-05	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Hexachlorobutadiene	87-68-3	T		U	2.00E-03	1.0E-02		1.4E-03	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.10E-02	5.0E-02		4.1E-04	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Hexachloroethane	67-72-1	T		U	5.00E-03	1.4E-02		3.3E-03	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	5.00E-04	2.5E-03		2.5E-03	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Isophorone	78-59-1	T		U	2.00E-03	8.2E-01		7.8E-01	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	5.00E-04	8.0E-02		3.6E-02	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	2-Methylphenol	95-48-7	T		U	2.00E-03	1.0E+00		9.3E-01	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	4-Methylphenol	106-44-5	T		U	2.00E-03	4.0E-01		3.7E-01	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Naphthalene	91-20-3	T		U	5.00E-04	6.5E-03		1.2E-03	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	2-Nitroaniline	88-74-4	T		U	7.00E-03	2.0E-01		1.9E-01	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	3-Nitroaniline	99-09-2	T		U	7.00E-03	3.9E-02		3.8E-02	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	4-Nitroaniline	100-01-6	T		U	3.00E-03	3.9E-02		3.8E-02	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	2-Nitrophenol	88-75-5	T		U	1.00E-02				
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	4-Nitrophenol	100-02-7	T		U	3.10E-02				
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	3.00E-03	1.6E-01		1.2E-01	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	3.00E-03	1.1E-04		1.1E-04	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	2.00E-03	8.0E-01		7.1E-01	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Pentachlorophenol	87-86-5	T		U	5.00E-03	1.0E-03		4.1E-04	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Phenanthrene	85-01-8	T		U	5.00E-04	6.0E-01		1.2E-01	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Phenol	108-95-2	T		U	2.00E-03	6.0E+00		5.8E+00	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Pyrene	129-00-0	T	1.00E-03		5.00E-04	6.0E-01	1.7E-03	1.2E-01	8.3E-03
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	2.00E-03	2.0E+00		1.2E+00	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	2.00E-03	2.0E-02		1.2E-02	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	5.00E-03	2.5E-03		2.4E-03	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	2.00E-03	5.2E-04		4.9E-04	
RW-116S	RW-116S_05/14/20	N	05/14/20	SVOC	Nitrobenzene	98-95-3	T		U	2.00E-03	4.0E-02		1.4E-03	
RW-116S	RW-116S_05/14/20	N	05/14/20	INORG	Antimony	7440-36-0	T		U	5.00E-02	6.0E-03		7.8E-03	
RW-116S	RW-116S_05/14/20	N	05/14/20	INORG	Arsenic	7440-38-2	T		U	3.00E-02	1.0E-02		5.2E-04	
RW-116S	RW-116S_05/14/20	N	05/14/20	INORG	Barium	7440-39-3	T	4.14E-02		5.00E-03	2.0E+00	2.1E-02	3.8E+00	1.1E-02
RW-116S	RW-116S_05/14/20	N	05/14/20	INORG	Beryllium	7440-41-7	T		U	5.00E-03	4.0E-03		2.5E-02	
RW-116S	RW-116S_05/14/20	N	05/14/20	INORG	Cadmium	7440-43-9	T	2.70E-03	J	5.00E-03	5.0E-03	5.4E-01	1.8E-03	1.5E+00
RW-116S	RW-116S_05/14/20	N	05/14/20	INORG	Chromium (total)	7440-47-3	T		U	1.50E-02	1.0E-01		2.2E+01	
RW-116S	RW-116S_05/14/20	N	05/14/20	INORG	Cobalt	7440-48-4	T	1.72E-01		5.00E-03	6.0E-03	2.9E+01	6.0E-03	2.9E+01
RW-116S	RW-116S_05/14/20	N	05/14/20	INORG	Copper	7440-50-8	T	3.17E-02		2.00E-02	1.3E+00	2.4E-02	8.0E-01	4.0E-02
RW-116S	RW-116S_05/14/20	N	05/14/20	INORG	Lead	7439-92-1	T		U	1.50E-02	1.5E-02		1.5E-02	
RW-116S	RW-116S_05/14/20	N	05/14/20	INORG	Mercury	7439-97-6	T		U	2.00E-04	2.0E-03		5.7E-04	
RW-116S	RW-116S_05/14/20	N	05/14/20	INORG	Molybdenum	7439-98-7	T		U	1.00E-02	1.0E-01		1.0E-01	
RW-116S	RW-116S_05/14/20	N	05/14/20	INORG	Nickel	7440-02-0	T	6.45E-02		1.00E-02	4.0E-01	1.6E-01	3.9E-01	1.7E-01
RW-116S	RW-116S_05/14/20	N	05/14/20	INORG	Selenium	7782-49-2	T		U	5.00E-02	5.0E-02		1.0E-01	
RW-116S	RW-116S_05/14/20	N	05/14/20	INORG	Silver	7440-22-4	T		U	1.00E-02	1.0E-01		9.4E-02	
RW-116S	RW-116S_05/14/20	N	05/14/20	INORG	Thallium	7440-28-0	T		U	3.00E-02	2.0E-03		2.0E-04	
RW-116S	RW-116S_05/14/20	N	05/14/20	INORG	Vanadium	7440-62-2	T	8.60E-03	J	1.00E-02	1.0E-01	8.6E-02	8.6E-02	1.0E-01
RW-116S	RW-116S_05/14/20	N	05/14/20	INORG	Zinc	7440-66-6	T	9.36E-02		2.00E-02	6.0E+00	1.6E-02	6.0E+00	1.6E-02
RW-116S	410-33859-1_RW-116S	N	03/25/21	SVOC	Naphthalene	91-20-3	T		U	8.30E-04	6.5E-03		1.2E-03	



**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
RW-116S	RW-116S-03252021	N	03/25/21	SVOC	Naphthalene	91-20-3	T		U	3.10E-04	6.5E-03		1.2E-03	
RW-116S	HRP-RW116S-211102	N	11/02/21	SVOC	Naphthalene	91-20-3	T		U	6.40E-04	6.5E-03		1.2E-03	
RW-116S	HRP-RW116S-221020	N	10/20/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
RW-117S	HRP-RW117S-211103	N	11/03/21	SVOC	Naphthalene	91-20-3	T		U	6.40E-04	6.5E-03		1.2E-03	
RW-117S	HRP-RW117S-221020	N	10/20/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	Acetone	67-64-1	T	1.00E-03	J	2.00E-02	1.8E+01	5.6E-05	1.8E+01	5.6E-05
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	Bromodichloromethane	75-27-4	T		U	1.00E-03	8.0E-02		1.3E-03	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	Bromoform	75-25-2	T		U	5.00E-03	8.0E-02		3.3E-02	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	Bromomethane	74-83-9	T		U	1.00E-03	2.8E-02		7.5E-03	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	2-Butanone	78-93-3	T		U	1.00E-02	1.2E+01		5.6E+00	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	Carbon Tetrachloride	56-23-5	T		U	1.00E-03	5.0E-03		4.6E-03	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	Chloroethane	75-00-3	T		U	1.00E-03			8.3E+00	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	Chloroform	67-66-3	T		U	1.00E-03	8.0E-02		2.2E-03	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	Chloromethane	74-87-3	T		U	1.00E-03			1.9E-01	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	Cumene	98-82-8	T		U	5.00E-03	2.0E+00		4.5E-01	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	Cyclohexane	110-82-7	T		U	5.00E-03			1.3E+01	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	Dibromochloromethane	124-48-1	T		U	1.00E-03	8.0E-02		8.7E-03	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	1,2-Dichlorobenzene	95-50-1	T		U	5.00E-03	6.0E-01		3.0E-01	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	1,3-Dichlorobenzene	541-73-1	T		U	5.00E-03	1.4E-01		4.8E-03	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	1,4-Dichlorobenzene	106-46-7	T		U	5.00E-03	7.5E-02		4.8E-03	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	Dichlorodifluoromethane	75-71-8	T		U	1.00E-03	4.0E+00		2.0E-01	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	1.00E-03	7.8E-03		4.7E-03	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	Methyl Acetate	79-20-9	T		U	5.00E-03	2.0E+01		2.0E+01	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	Methylcyclohexane	108-87-2	T		U	5.00E-03			1.3E+01	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	Methylene Chloride	75-09-2	T		U	1.00E-03	5.0E-03		1.1E-01	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	Styrene	100-42-5	T		U	5.00E-03	1.0E-01		1.2E+00	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	1.00E-03	3.9E-03		7.6E-04	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	Tetrachloroethene	127-18-4	T		U	1.00E-03	5.0E-03		4.1E-02	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	5.00E-03	7.0E-02		4.0E-03	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	Trichlorofluoromethane	75-69-4	T		U	1.00E-03	6.0E+00		5.2E+00	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-02	6.0E+02		1.0E+01	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	Vinyl Chloride	75-01-4	T		U	1.00E-03	2.0E-03		1.9E-04	
RW-118S	RW-118S_05/14/20	N	05/14/20	VOC	Xylenes (total)	1330-20-7	T		U	5.00E-03	1.0E+01		1.9E-01	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Acenaphthene	83-32-9	T		U	5.00E-04	1.2E+00		5.3E-01	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Acenaphthylene	208-96-8	T		U	5.00E-04	6.0E-01		1.2E-01	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Acetophenone	98-86-2	T		U	1.00E-02	2.0E+00		1.9E+00	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Anthracene	120-12-7	T		U	5.00E-04	6.0E+00		1.8E+00	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Atrazine	1912-24-9	T		U	5.00E-03	3.0E-03		3.0E-03	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Benzaldehyde	100-52-7	T		U	1.00E-02	1.9E-01		1.9E-01	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	5.00E-04	2.5E-03		3.0E-04	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	5.00E-04	2.0E-04		2.5E-04	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	5.00E-04	2.5E-03		2.5E-03	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	5.00E-04	6.0E-01		1.2E-01	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	5.00E-04	2.5E-02		2.5E-02	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-02	9.7E-02		8.3E-04	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	2.00E-03	6.0E-02		5.9E-02	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	2.00E-03	7.1E-04		1.4E-04	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.10E-02	6.0E-03		5.6E-02	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	2.00E-03				
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Butylbenzylphthalate	85-68-7	T		U	5.00E-03	4.1E-01		1.6E-01	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Caprolactam	105-60-2	T		U	1.10E-02	1.0E+01		9.9E+00	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Carbazole	86-74-8	T		U	2.00E-03	8.0E-01		2.9E-01	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	4.00E-03	2.0E+00		1.4E+00	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	4-Chloroaniline	106-47-8	T		U	1.00E-02	3.9E-03		3.7E-03	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-03	1.6E+00		7.5E-01	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	2-Chlorophenol	95-57-8	T		U	2.00E-03	1.0E-01		9.1E-02	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	2.00E-03				
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Chrysene	218-01-9	T		U	5.00E-04	2.5E-01		2.5E-01	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	5.00E-04	2.5E-04		2.5E-04	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-03	2.0E-02		7.9E-03	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.00E-02	1.7E-03		1.3E-03	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	2,4-Dichlorophenol	120-83-2	T		U	2.00E-03	6.0E-02		4.6E-02	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Diethylphthalate	84-66-2	T		U	5.00E-03	1.6E+01		1.5E+01	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.00E-02	4.0E-01		3.6E-01	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Dimethylphthalate	131-11-3	T		U	5.00E-03	1.6E+01		1.5E+01	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Di-n-butylphthalate	84-74-2	T		U	5.00E-03	2.0E+00		9.0E-01	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	2.10E-02	1.6E-03		1.5E-03	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	2,4-Dinitrophenol	51-28-5	T		U	3.00E-02	4.0E-02		3.9E-02	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.10E-02	2.0E-01		2.0E-01	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Fluoranthene	206-44-0	T		U	5.00E-04	8.0E-01		8.0E-01	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Fluorene	86-73-7	T		U	5.00E-04	8.0E-01		2.9E-01	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Hexachlorobenzene	118-74-1	T		U	5.00E-04	1.0E-03		9.8E-05	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Hexachlorobutadiene	87-68-3	T		U	2.00E-03	1.0E-02		1.4E-03	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.10E-02	5.0E-02		4.1E-04	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Hexachloroethane	67-72-1	T		U	5.00E-03	1.4E-02		3.3E-03	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	5.00E-04	2.5E-03		2.5E-03	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Isophorone	78-59-1	T		U	2.00E-03	8.2E-01		7.8E-01	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	5.00E-04	8.0E-02		3.6E-02	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	2-Methylphenol	95-48-7	T		U	2.00E-03	1.0E+00		9.3E-01	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	4-Methylphenol	106-44-5	T		U	2.00E-03	4.0E-01		3.7E-01	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Naphthalene	91-20-3	T		U	5.00E-04	6.5E-03		1.2E-03	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	2-Nitroaniline	88-74-4	T		U	7.00E-03	2.0E-01		1.9E-01	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	3-Nitroaniline	99-09-2	T		U	7.00E-03	3.9E-02		3.8E-02	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	4-Nitroaniline	100-01-6	T		U	3.00E-03	3.9E-02		3.8E-02	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	2-Nitrophenol	88-75-5	T		U	1.00E-02				
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	4-Nitrophenol	100-02-7	T		U	3.00E-02				
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	3.00E-03	1.6E-01		1.2E-01	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	3.00E-03	1.1E-04		1.1E-04	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	2.00E-03	8.0E-01		7.1E-01	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Pentachlorophenol	87-86-5	T		U	5.00E-03	1.0E-03		4.1E-04	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Phenanthrene	85-01-8	T		U	5.00E-04	6.0E-01		1.2E-01	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Phenol	108-95-2	T		U	2.00E-03	6.0E+00		5.8E+00	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Pyrene	129-00-0	T		U	5.00E-04	6.0E-01		1.2E-01	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	2.00E-03	2.0E+00		1.2E+00	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	2.00E-03	2.0E-02		1.2E-02	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	5.00E-03	2.5E-03		2.4E-03	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	2.00E-03	5.2E-04		4.9E-04	
RW-118S	RW-118S_05/14/20	N	05/14/20	SVOC	Nitrobenzene	98-95-3	T		U	2.00E-03	4.0E-02		1.4E-03	
RW-118S	RW-118S_05/14/20	N	05/14/20	INORG	Antimony	7440-36-0	T		U	5.00E-02	6.0E-03		7.8E-03	
RW-118S	RW-118S_05/14/20	N	05/14/20	INORG	Arsenic	7440-38-2	T		U	3.00E-02	1.0E-02		5.2E-04	
RW-118S	RW-118S_05/14/20	N	05/14/20	INORG	Barium	7440-39-3	T	3.20E-02		5.00E-03	2.0E+00	1.6E-02	3.8E+00	8.4E-03
RW-118S	RW-118S_05/14/20	N	05/14/20	INORG	Beryllium	7440-41-7	T		U	5.00E-03	4.0E-03		2.5E-02	
RW-118S	RW-118S_05/14/20	N	05/14/20	INORG	Cadmium	7440-43-9	T	2.00E-03	J	5.00E-03	5.0E-03	4.0E-01	1.8E-03	1.1E+00
RW-118S	RW-118S_05/14/20	N	05/14/20	INORG	Chromium (total)	7440-47-3	T	3.10E-03	J	1.50E-02	1.0E-01	3.1E-02	2.2E+01	1.4E-04
RW-118S	RW-118S_05/14/20	N	05/14/20	INORG	Cobalt	7440-48-4	T	5.15E-01		5.00E-03	6.0E-03	8.6E+01	6.0E-03	8.6E+01
RW-118S	RW-118S_05/14/20	N	05/14/20	INORG	Copper	7440-50-8	T	1.38E-02	J	2.00E-02	1.3E+00	1.1E-02	8.0E-01	1.7E-02
RW-118S	RW-118S_05/14/20	N	05/14/20	INORG	Lead	7439-92-1	T		U	1.50E-02	1.5E-02		1.5E-02	
RW-118S	RW-118S_05/14/20	N	05/14/20	INORG	Mercury	7439-97-6	T		U	2.00E-04	2.0E-03		5.7E-04	
RW-118S	RW-118S_05/14/20	N	05/14/20	INORG	Molybdenum	7439-98-7	T		U	1.00E-02	1.0E-01		1.0E-01	
RW-118S	RW-118S_05/14/20	N	05/14/20	INORG	Nickel	7440-02-0	T	2.99E-01		1.00E-02	4.0E-01	7.5E-01	3.9E-01	7.7E-01
RW-118S	RW-118S_05/14/20	N	05/14/20	INORG	Selenium	7782-49-2	T		U	5.00E-02	5.0E-02		1.0E-01	
RW-118S	RW-118S_05/14/20	N	05/14/20	INORG	Silver	7440-22-4	T		U	1.00E-02	1.0E-01		9.4E-02	
RW-118S	RW-118S_05/14/20	N	05/14/20	INORG	Thallium	7440-28-0	T		U	3.00E-02	2.0E-03		2.0E-04	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
RW-118S	RW-118S_05/14/20	N	05/14/20	INORG	Vanadium	7440-62-2	T	4.20E-03	J	1.00E-02	1.0E-01	4.2E-02	8.6E-02	4.9E-02
RW-118S	RW-118S_05/14/20	N	05/14/20	INORG	Zinc	7440-66-6	T	2.21E-01		2.00E-02	6.0E+00	3.7E-02	6.0E+00	3.7E-02
RW-118S	410-33859-1_RW-118S	N	03/25/21	SVOC	Naphthalene	91-20-3	T		U	8.20E-04	6.5E-03		1.2E-03	
RW-118S	RW-118S-03252021	N	03/25/21	SVOC	Naphthalene	91-20-3	T		U	3.10E-04	6.5E-03		1.2E-03	
RW-118S	HRP-RW118S-211028	N	10/28/21	SVOC	Naphthalene	91-20-3	T		U	6.40E-04	6.5E-03		1.2E-03	
RW-118S	HRP-RW118S-221019	N	10/19/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	Acetone	67-64-1	T		U	2.00E-02	1.8E+01		1.8E+01	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	Bromodichloromethane	75-27-4	T		U	1.00E-03	8.0E-02		1.3E-03	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	Bromoform	75-25-2	T		U	5.00E-03	8.0E-02		3.3E-02	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	Bromomethane	74-83-9	T		U	1.00E-03	2.8E-02		7.5E-03	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	2-Butanone	78-93-3	T		U	1.00E-02	1.2E+01		5.6E+00	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	Carbon Tetrachloride	56-23-5	T		U	1.00E-03	5.0E-03		4.6E-03	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	Chloroethane	75-00-3	T		U	1.00E-03			8.3E+00	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	Chloroform	67-66-3	T		U	1.00E-03	8.0E-02		2.2E-03	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	Chloromethane	74-87-3	T		U	1.00E-03			1.9E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	Cumene	98-82-8	T		U	5.00E-03	2.0E+00		4.5E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	Cyclohexane	110-82-7	T		U	5.00E-03			1.3E+01	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	Dibromochloromethane	124-48-1	T		U	1.00E-03	8.0E-02		8.7E-03	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	1,2-Dichlorobenzene	95-50-1	T		U	5.00E-03	6.0E-01		3.0E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	1,3-Dichlorobenzene	541-73-1	T		U	5.00E-03	1.4E-01		4.8E-03	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	1,4-Dichlorobenzene	106-46-7	T		U	5.00E-03	7.5E-02		4.8E-03	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	Dichlorodifluoromethane	75-71-8	T		U	1.00E-03	4.0E+00		2.0E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	1.00E-03	7.8E-03		4.7E-03	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	Methyl Acetate	79-20-9	T		U	5.00E-03	2.0E+01		2.0E+01	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	Methylcyclohexane	108-87-2	T		U	5.00E-03			1.3E+01	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	Methylene Chloride	75-09-2	T		U	1.00E-03	5.0E-03		1.1E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	Styrene	100-42-5	T		U	5.00E-03	1.0E-01		1.2E+00	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	1.00E-03	3.9E-03		7.6E-04	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	Tetrachloroethene	127-18-4	T		U	1.00E-03	5.0E-03		4.1E-02	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	5.00E-03	7.0E-02		4.0E-03	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	Trichlorofluoromethane	75-69-4	T		U	1.00E-03	6.0E+00		5.2E+00	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-02	6.0E+02		1.0E+01	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	Vinyl Chloride	75-01-4	T		U	1.00E-03	2.0E-03		1.9E-04	
RW-119S	RW-119S_05/14/20	N	05/14/20	VOC	Xylenes (total)	1330-20-7	T		U	5.00E-03	1.0E+01		1.9E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Acenaphthene	83-32-9	T		U	5.00E-04	1.2E+00		5.3E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Acenaphthylene	208-96-8	T		U	5.00E-04	6.0E-01		1.2E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Acetophenone	98-86-2	T		U	1.00E-02	2.0E+00		1.9E+00	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Anthracene	120-12-7	T		U	5.00E-04	6.0E+00		1.8E+00	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Atrazine	1912-24-9	T		U	5.00E-03	3.0E-03		3.0E-03	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Benzaldehyde	100-52-7	T		U	1.00E-02	1.9E-01		1.9E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	5.00E-04	2.5E-03		3.0E-04	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	5.00E-04	2.0E-04		2.5E-04	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	5.00E-04	2.5E-03		2.5E-03	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	5.00E-04	6.0E-01		1.2E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	5.00E-04	2.5E-02		2.5E-02	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-02	9.7E-02		8.3E-04	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	2.00E-03	6.0E-02		5.9E-02	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	2.00E-03	7.1E-04		1.4E-04	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.10E-02	6.0E-03		5.6E-02	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	2.00E-03				
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Butylbenzylphthalate	85-68-7	T		U	5.00E-03	4.1E-01		1.6E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Caprolactam	105-60-2	T		U	1.10E-02	1.0E+01		9.9E+00	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Carbazole	86-74-8	T		U	2.00E-03	8.0E-01		2.9E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	4.00E-03	2.0E+00		1.4E+00	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	4-Chloroaniline	106-47-8	T		U	1.00E-02	3.9E-03		3.7E-03	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-03	1.6E+00		7.5E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	2-Chlorophenol	95-57-8	T		U	2.00E-03	1.0E-01		9.1E-02	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	2.00E-03				
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Chrysene	218-01-9	T		U	5.00E-04	2.5E-01		2.5E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	5.00E-04	2.5E-04		2.5E-04	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-03	2.0E-02		7.9E-03	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.00E-02	1.7E-03		1.3E-03	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	2,4-Dichlorophenol	120-83-2	T		U	2.00E-03	6.0E-02		4.6E-02	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Diethylphthalate	84-66-2	T		U	5.00E-03	1.6E+01		1.5E+01	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.00E-02	4.0E-01		3.6E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Dimethylphthalate	131-11-3	T		U	5.00E-03	1.6E+01		1.5E+01	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Di-n-butylphthalate	84-74-2	T		U	5.00E-03	2.0E+00		9.0E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	2.10E-02	1.6E-03		1.5E-03	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	2,4-Dinitrophenol	51-28-5	T		U	3.00E-02	4.0E-02		3.9E-02	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.10E-02	2.0E-01		2.0E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Fluoranthene	206-44-0	T		U	5.00E-04	8.0E-01		8.0E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Fluorene	86-73-7	T		U	5.00E-04	8.0E-01		2.9E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Hexachlorobenzene	118-74-1	T		U	5.00E-04	1.0E-03		9.8E-05	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Hexachlorobutadiene	87-68-3	T		U	2.00E-03	1.0E-02		1.4E-03	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.10E-02	5.0E-02		4.1E-04	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Hexachloroethane	67-72-1	T		U	5.00E-03	1.4E-02		3.3E-03	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	5.00E-04	2.5E-03		2.5E-03	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Isophorone	78-59-1	T		U	2.00E-03	8.2E-01		7.8E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	5.00E-04	8.0E-02		3.6E-02	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	2-Methylphenol	95-48-7	T		U	2.00E-03	1.0E+00		9.3E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	4-Methylphenol	106-44-5	T		U	2.00E-03	4.0E-01		3.7E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Naphthalene	91-20-3	T		U	5.00E-04	6.5E-03		1.2E-03	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	2-Nitroaniline	88-74-4	T		U	7.00E-03	2.0E-01		1.9E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	3-Nitroaniline	99-09-2	T		U	7.00E-03	3.9E-02		3.8E-02	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	4-Nitroaniline	100-01-6	T		U	3.00E-03	3.9E-02		3.8E-02	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	2-Nitrophenol	88-75-5	T		U	1.00E-02				
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	4-Nitrophenol	100-02-7	T		U	3.00E-02				
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	3.00E-03	1.6E-01		1.2E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	3.00E-03	1.1E-04		1.1E-04	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	2.00E-03	8.0E-01		7.1E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Pentachlorophenol	87-86-5	T		U	5.00E-03	1.0E-03		4.1E-04	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Phenanthrene	85-01-8	T		U	5.00E-04	6.0E-01		1.2E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Phenol	108-95-2	T		U	2.00E-03	6.0E+00		5.8E+00	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Pyrene	129-00-0	T		U	5.00E-04	6.0E-01		1.2E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	2.00E-03	2.0E+00		1.2E+00	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	2.00E-03	2.0E-02		1.2E-02	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	5.00E-03	2.5E-03		2.4E-03	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	2.00E-03	5.2E-04		4.9E-04	
RW-119S	RW-119S_05/14/20	N	05/14/20	SVOC	Nitrobenzene	98-95-3	T		U	2.00E-03	4.0E-02		1.4E-03	
RW-119S	RW-119S_05/14/20	N	05/14/20	INORG	Antimony	7440-36-0	T		U	5.00E-02	6.0E-03		7.8E-03	
RW-119S	RW-119S_05/14/20	N	05/14/20	INORG	Arsenic	7440-38-2	T		U	3.00E-02	1.0E-02		5.2E-04	
RW-119S	RW-119S_05/14/20	N	05/14/20	INORG	Barium	7440-39-3	T	2.40E-01		5.00E-03	2.0E+00	1.2E-01	3.8E+00	6.3E-02
RW-119S	RW-119S_05/14/20	N	05/14/20	INORG	Beryllium	7440-41-7	T		U	5.00E-03	4.0E-03		2.5E-02	
RW-119S	RW-119S_05/14/20	N	05/14/20	INORG	Cadmium	7440-43-9	T		U	5.00E-03	5.0E-03		1.8E-03	
RW-119S	RW-119S_05/14/20	N	05/14/20	INORG	Chromium (total)	7440-47-3	T		U	1.50E-02	1.0E-01		2.2E+01	
RW-119S	RW-119S_05/14/20	N	05/14/20	INORG	Cobalt	7440-48-4	T	3.10E-03	J	5.00E-03	6.0E-03	5.2E-01	6.0E-03	5.2E-01
RW-119S	RW-119S_05/14/20	N	05/14/20	INORG	Copper	7440-50-8	T		U	2.00E-02	1.3E+00		8.0E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	INORG	Lead	7439-92-1	T		U	1.50E-02	1.5E-02		1.5E-02	
RW-119S	RW-119S_05/14/20	N	05/14/20	INORG	Mercury	7439-97-6	T		U	2.00E-04	2.0E-03		5.7E-04	
RW-119S	RW-119S_05/14/20	N	05/14/20	INORG	Molybdenum	7439-98-7	T		U	1.00E-02	1.0E-01		1.0E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	INORG	Nickel	7440-02-0	T	4.90E-03	J	1.00E-02	4.0E-01	1.2E-02	3.9E-01	1.3E-02
RW-119S	RW-119S_05/14/20	N	05/14/20	INORG	Selenium	7782-49-2	T		U	5.00E-02	5.0E-02		1.0E-01	
RW-119S	RW-119S_05/14/20	N	05/14/20	INORG	Silver	7440-22-4	T		U	1.00E-02	1.0E-01		9.4E-02	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
RW-119S	RW-119S_05/14/20	N	05/14/20	INORG	Thallium	7440-28-0	T		U	3.00E-02	2.0E-03		2.0E-04	
RW-119S	RW-119S_05/14/20	N	05/14/20	INORG	Vanadium	7440-62-2	T	3.10E-03	J	1.00E-02	1.0E-01	3.1E-02	8.6E-02	3.6E-02
RW-119S	RW-119S_05/14/20	N	05/14/20	INORG	Zinc	7440-66-6	T	7.29E-02		2.00E-02	6.0E+00	1.2E-02	6.0E+00	1.2E-02
RW-119S	410-33562-1_RW-119S	N	03/24/21	SVOC	Naphthalene	91-20-3	T	1.90E-04		1.60E-04	6.5E-03	2.9E-02	1.2E-03	1.6E-01
RW-119S	RW-119S-03242021	N	03/24/21	SVOC	Naphthalene	91-20-3	T	1.90E-04		6.10E-05	6.5E-03	2.9E-02	1.2E-03	1.6E-01
RW-25S	410-33859-1_RW-25S	N	03/26/21	SVOC	Naphthalene	91-20-3	T		U	1.60E-03	6.5E-03		1.2E-03	
RW-25S	RW-25S-03262021	N	03/26/21	SVOC	Naphthalene	91-20-3	T		U	6.20E-04	6.5E-03		1.2E-03	
RW-25S	RW25S-210517	N	05/17/21	SVOC	Naphthalene	91-20-3	T		U	6.40E-05	6.5E-03		1.2E-03	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	Acetone	67-64-1	T		U	2.00E-02	1.8E+01		1.8E+01	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	Bromodichloromethane	75-27-4	T		U	1.00E-03	8.0E-02		1.3E-03	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	Bromoform	75-25-2	T		U	5.00E-03	8.0E-02		3.3E-02	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	Bromomethane	74-83-9	T		U	1.00E-03	2.8E-02		7.5E-03	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	2-Butanone	78-93-3	T		U	1.00E-02	1.2E+01		5.6E+00	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	Carbon Tetrachloride	56-23-5	T		U	1.00E-03	5.0E-03		4.6E-03	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	Chloroethane	75-00-3	T		U	1.00E-03			8.3E+00	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	Chloroform	67-66-3	T		U	1.00E-03	8.0E-02		2.2E-03	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	Chloromethane	74-87-3	T		U	1.00E-03			1.9E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	Cumene	98-82-8	T		U	5.00E-03	2.0E+00		4.5E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	Cyclohexane	110-82-7	T		U	5.00E-03			1.3E+01	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	Dibromochloromethane	124-48-1	T		U	1.00E-03	8.0E-02		8.7E-03	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	1,2-Dichlorobenzene	95-50-1	T		U	5.00E-03	6.0E-01		3.0E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	1,3-Dichlorobenzene	541-73-1	T		U	5.00E-03	1.4E-01		4.8E-03	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	1,4-Dichlorobenzene	106-46-7	T		U	5.00E-03	7.5E-02		4.8E-03	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	Dichlorodifluoromethane	75-71-8	T		U	1.00E-03	4.0E+00		2.0E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	1.00E-03	7.8E-03		4.7E-03	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	Methyl Acetate	79-20-9	T		U	5.00E-03	2.0E+01		2.0E+01	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	Methylcyclohexane	108-87-2	T		U	5.00E-03			1.3E+01	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	Methylene Chloride	75-09-2	T		U	1.00E-03	5.0E-03		1.1E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	Styrene	100-42-5	T		U	5.00E-03	1.0E-01		1.2E+00	



**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	1.00E-03	3.9E-03		7.6E-04	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	Tetrachloroethene	127-18-4	T		U	1.00E-03	5.0E-03		4.1E-02	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	5.00E-03	7.0E-02		4.0E-03	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	Trichlorofluoromethane	75-69-4	T		U	1.00E-03	6.0E+00		5.2E+00	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-02	6.0E+02		1.0E+01	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	Vinyl Chloride	75-01-4	T		U	1.00E-03	2.0E-03		1.9E-04	
RW-28S	RW-28S_05/12/20	N	05/12/20	VOC	Xylenes (total)	1330-20-7	T		U	5.00E-03	1.0E+01		1.9E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Acenaphthene	83-32-9	T		U	5.00E-04	1.2E+00		5.3E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Acenaphthylene	208-96-8	T		U	5.00E-04	6.0E-01		1.2E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Acetophenone	98-86-2	T		U	1.00E-02	2.0E+00		1.9E+00	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Anthracene	120-12-7	T		U	5.00E-04	6.0E+00		1.8E+00	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Atrazine	1912-24-9	T		U	5.00E-03	3.0E-03		3.0E-03	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Benzaldehyde	100-52-7	T		U	1.00E-02	1.9E-01		1.9E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	5.00E-04	2.5E-03		3.0E-04	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	5.00E-04	2.0E-04		2.5E-04	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	5.00E-04	2.5E-03		2.5E-03	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	5.00E-04	6.0E-01		1.2E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	5.00E-04	2.5E-02		2.5E-02	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-02	9.7E-02		8.3E-04	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	2.00E-03	6.0E-02		5.9E-02	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	2.00E-03	7.1E-04		1.4E-04	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.10E-02	6.0E-03		5.6E-02	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	2.00E-03				
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Butylbenzylphthalate	85-68-7	T		U	5.00E-03	4.1E-01		1.6E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Caprolactam	105-60-2	T		U	1.10E-02	1.0E+01		9.9E+00	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Carbazole	86-74-8	T		U	2.00E-03	8.0E-01		2.9E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	4.00E-03	2.0E+00		1.4E+00	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	4-Chloroaniline	106-47-8	T		U	1.00E-02	3.9E-03		3.7E-03	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-03	1.6E+00		7.5E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	2-Chlorophenol	95-57-8	T		U	2.00E-03	1.0E-01		9.1E-02	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	2.00E-03				
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Chrysene	218-01-9	T		U	5.00E-04	2.5E-01		2.5E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	5.00E-04	2.5E-04		2.5E-04	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-03	2.0E-02		7.9E-03	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.00E-02	1.7E-03		1.3E-03	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	2,4-Dichlorophenol	120-83-2	T		U	2.00E-03	6.0E-02		4.6E-02	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Diethylphthalate	84-66-2	T		U	5.00E-03	1.6E+01		1.5E+01	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.00E-02	4.0E-01		3.6E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Dimethylphthalate	131-11-3	T		U	5.00E-03	1.6E+01		1.5E+01	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Di-n-butylphthalate	84-74-2	T		U	5.00E-03	2.0E+00		9.0E-01	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	2.10E-02	1.6E-03		1.5E-03	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	2,4-Dinitrophenol	51-28-5	T		U	3.00E-02	4.0E-02		3.9E-02	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.10E-02	2.0E-01		2.0E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Fluoranthene	206-44-0	T		U	5.00E-04	8.0E-01		8.0E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Fluorene	86-73-7	T		U	5.00E-04	8.0E-01		2.9E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Hexachlorobenzene	118-74-1	T		U	5.00E-04	1.0E-03		9.8E-05	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Hexachlorobutadiene	87-68-3	T		U	2.00E-03	1.0E-02		1.4E-03	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.10E-02	5.0E-02		4.1E-04	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Hexachloroethane	67-72-1	T		U	5.00E-03	1.4E-02		3.3E-03	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	5.00E-04	2.5E-03		2.5E-03	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Isophorone	78-59-1	T		U	2.00E-03	8.2E-01		7.8E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	5.00E-04	8.0E-02		3.6E-02	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	2-Methylphenol	95-48-7	T		U	2.00E-03	1.0E+00		9.3E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	4-Methylphenol	106-44-5	T		U	2.00E-03	4.0E-01		3.7E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Naphthalene	91-20-3	T		U	5.00E-04	6.5E-03		1.2E-03	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	2-Nitroaniline	88-74-4	T		U	7.00E-03	2.0E-01		1.9E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	3-Nitroaniline	99-09-2	T		U	7.00E-03	3.9E-02		3.8E-02	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	4-Nitroaniline	100-01-6	T		U	3.00E-03	3.9E-02		3.8E-02	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	2-Nitrophenol	88-75-5	T		U	1.00E-02				
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	4-Nitrophenol	100-02-7	T		U	3.00E-02				
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	3.00E-03	1.6E-01		1.2E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	3.00E-03	1.1E-04		1.1E-04	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	2.00E-03	8.0E-01		7.1E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Pentachlorophenol	87-86-5	T		U	5.00E-03	1.0E-03		4.1E-04	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Phenanthrene	85-01-8	T		U	5.00E-04	6.0E-01		1.2E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Phenol	108-95-2	T		U	2.00E-03	6.0E+00		5.8E+00	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Pyrene	129-00-0	T		U	5.00E-04	6.0E-01		1.2E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	2.00E-03	2.0E+00		1.2E+00	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	2.00E-03	2.0E-02		1.2E-02	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	5.00E-03	2.5E-03		2.4E-03	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	2.00E-03	5.2E-04		4.9E-04	
RW-28S	RW-28S_05/12/20	N	05/12/20	SVOC	Nitrobenzene	98-95-3	T		U	2.00E-03	4.0E-02		1.4E-03	
RW-28S	RW-28S_05/12/20	N	05/12/20	INORG	Antimony	7440-36-0	T		U	5.00E-02	6.0E-03		7.8E-03	
RW-28S	RW-28S_05/12/20	N	05/12/20	INORG	Arsenic	7440-38-2	T		U	3.00E-02	1.0E-02		5.2E-04	
RW-28S	RW-28S_05/12/20	N	05/12/20	INORG	Barium	7440-39-3	T	2.37E-02		5.00E-03	2.0E+00	1.2E-02	3.8E+00	6.2E-03
RW-28S	RW-28S_05/12/20	N	05/12/20	INORG	Beryllium	7440-41-7	T		U	5.00E-03	4.0E-03		2.5E-02	
RW-28S	RW-28S_05/12/20	N	05/12/20	INORG	Cadmium	7440-43-9	T		U	5.00E-03	5.0E-03		1.8E-03	
RW-28S	RW-28S_05/12/20	N	05/12/20	INORG	Chromium (total)	7440-47-3	T	2.10E-03	J	1.50E-02	1.0E-01	2.1E-02	2.2E+01	9.5E-05
RW-28S	RW-28S_05/12/20	N	05/12/20	INORG	Cobalt	7440-48-4	T	5.30E-03		5.00E-03	6.0E-03	8.8E-01	6.0E-03	8.8E-01
RW-28S	RW-28S_05/12/20	N	05/12/20	INORG	Copper	7440-50-8	T		U	2.00E-02	1.3E+00		8.0E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	INORG	Lead	7439-92-1	T		U	1.50E-02	1.5E-02		1.5E-02	
RW-28S	RW-28S_05/12/20	N	05/12/20	INORG	Mercury	7439-97-6	T		U	2.00E-04	2.0E-03		5.7E-04	
RW-28S	RW-28S_05/12/20	N	05/12/20	INORG	Molybdenum	7439-98-7	T		U	1.00E-02	1.0E-01		1.0E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	INORG	Nickel	7440-02-0	T	7.80E-03	J	1.00E-02	4.0E-01	2.0E-02	3.9E-01	2.0E-02

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
RW-28S	RW-28S_05/12/20	N	05/12/20	INORG	Selenium	7782-49-2	T		U	5.00E-02	5.0E-02		1.0E-01	
RW-28S	RW-28S_05/12/20	N	05/12/20	INORG	Silver	7440-22-4	T		U	1.00E-02	1.0E-01		9.4E-02	
RW-28S	RW-28S_05/12/20	N	05/12/20	INORG	Thallium	7440-28-0	T		U	3.00E-02	2.0E-03		2.0E-04	
RW-28S	RW-28S_05/12/20	N	05/12/20	INORG	Vanadium	7440-62-2	T		U	1.00E-02	1.0E-01		8.6E-02	
RW-28S	RW-28S_05/12/20	N	05/12/20	INORG	Zinc	7440-66-6	T	7.80E-03	J	2.00E-02	6.0E+00	1.3E-03	6.0E+00	1.3E-03
RW-28S	410-33562-1_RW-28S	N	03/24/21	SVOC	Naphthalene	91-20-3	T	1.40E-03		1.70E-04	6.5E-03	2.2E-01	1.2E-03	1.2E+00
RW-28S	RW-28S-03242021	N	03/24/21	SVOC	Naphthalene	91-20-3	T	1.40E-03		6.20E-05	6.5E-03	2.2E-01	1.2E-03	1.2E+00
RW-28S	HRP-RW28S-211027	N	10/27/21	SVOC	Naphthalene	91-20-3	T		U	6.40E-04	6.5E-03		1.2E-03	
RW-28S	HRP-RW-28S-220502	N	05/02/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
RW-28S	HRP-RW28S-221017	N	10/17/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Acetone	67-64-1	T		U	5.00E-02	1.8E+01		1.8E+01	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Acrylonitrile	107-13-1	T		U	5.00E-03	1.4E-03		5.2E-04	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Bromobenzene	108-86-1	T		U	1.00E-03	1.6E-01		6.2E-02	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Bromochloromethane	74-97-5	T		U	1.00E-03			8.3E-02	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Bromodichloromethane	75-27-4	T		U	5.00E-04	8.0E-02		1.3E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Bromoform	75-25-2	T		U	1.00E-03	8.0E-02		3.3E-02	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Bromomethane	74-83-9	T		U	5.00E-03	2.8E-02		7.5E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	2-Butanone	78-93-3	T		U	2.00E-02	1.2E+01		5.6E+00	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	n-Butylbenzene	104-51-8	T		U	1.00E-03	1.0E+00		1.0E+00	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	sec-Butylbenzene	135-98-8	T		U	1.00E-03	2.0E+00		2.0E+00	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	tert-Butylbenzene	98-06-6	T		U	1.00E-03	2.0E+00		6.9E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Carbon Disulfide	75-15-0	T		U	5.00E-03	2.0E+00		8.1E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Carbon Tetrachloride	56-23-5	T		U	5.00E-03	5.0E-03		4.6E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Chlorobenzene	108-90-7	T		U	1.00E-03	1.0E-01		7.8E-02	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Chloroethane	75-00-3	T		U	2.00E-03			8.3E+00	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Chloroform	67-66-3	T		U	2.00E-03	8.0E-02		2.2E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Chloromethane	74-87-3	T		U	2.00E-03			1.9E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	2-Chlorotoluene	95-49-8	T		U	1.00E-03	4.0E-01		2.4E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	4-Chlorotoluene	106-43-4	T		U	1.00E-03	4.0E-01		2.5E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Cumene	98-82-8	T		U	1.00E-03	2.0E+00		4.5E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	p-Cymene	99-87-6	T		U	1.00E-03				
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	1,2-Dibromo-3-chloropropane	96-12-8	T		U	5.00E-03	2.0E-04		3.3E-06	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Dibromochloromethane	124-48-1	T		U	5.00E-04	8.0E-02		8.7E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	1,2-Dibromoethane	106-93-4	T		U	5.00E-04	5.0E-05		7.5E-05	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Dibromomethane	74-95-3	T		U	1.00E-03			8.3E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	trans-1,4-Dichloro-2-butene	110-57-6	T		U	2.00E-03			1.3E-05	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	1,2-Dichlorobenzene	95-50-1	T		U	1.00E-03	6.0E-01		3.0E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	1,3-Dichlorobenzene	541-73-1	T		U	1.00E-03	1.4E-01		4.8E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	1,4-Dichlorobenzene	106-46-7	T		U	1.00E-03	7.5E-02		4.8E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Dichlorodifluoromethane	75-71-8	T		U	2.00E-03	4.0E+00		2.0E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	1,1-Dichloroethane	75-34-3	T		U	1.00E-03	1.4E-01		2.8E-02	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	1,2-Dichloroethane	107-06-2	T		U	1.00E-03	5.0E-03		1.7E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	1,1-Dichloroethene	75-35-4	T		U	1.00E-03	7.0E-03		2.8E-01	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	cis-1,2-Dichloroethene	156-59-2	T		U	1.00E-03	7.0E-02		2.5E-02	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	trans-1,2-Dichloroethene	156-60-5	T		U	1.00E-03	1.0E-01		6.8E-02	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	1,2-Dichloropropane	78-87-5	T		U	1.00E-03	5.0E-03		8.2E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	1,3-Dichloropropane	142-28-9	T		U	5.00E-04	4.0E-01		3.7E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	2,2-Dichloropropane	594-20-7	T		U	1.00E-03				
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	1,1-Dichloropropene	563-58-6	T		U	2.00E-03				
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	1,3-Dichloropropene (total)	542-75-6	T		U	5.00E-04	7.8E-03		4.7E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	1,4-Dioxane	123-91-1	T		U	5.00E-02	7.8E-03		4.6E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Ethanol	64-17-5	T		U	1.00E+01				
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Ethyl tert-butyl ether	637-92-3	T		U	5.00E-04	2.0E+01		7.0E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Diethyl ether	60-29-7	T		U	2.00E-03	4.0E+00		3.9E+00	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	2-Hexanone	591-78-6	T		U	1.00E-02	1.0E-01		3.8E-02	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Isopropanol	67-63-0	T		U	1.00E+01	4.0E+01		4.1E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Methanol	67-56-1	T		U	1.00E+01	4.0E+01		2.0E+01	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Methyl Acetate	79-20-9	T		U	1.00E-03	2.0E+01		2.0E+01	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	4-Methyl-2-pentanone	108-10-1	T		U	1.00E-02			6.3E+00	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Methylcyclohexane	108-87-2	T		U	1.00E-03			1.3E+01	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Methylene Chloride	75-09-2	T		U	5.00E-03	5.0E-03		1.1E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Diisopropyl ether	108-20-3	T		U	5.00E-04			1.5E+00	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	n-Propylbenzene	103-65-1	T		U	1.00E-03	2.0E+00		6.6E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Styrene	100-42-5	T		U	1.00E-03	1.0E-01		1.2E+00	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	tert-Butyl alcohol	75-65-0	T		U	2.00E-02	1.6E+00		1.5E+00	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	1,1,1,2-Tetrachloroethane	630-20-6	T		U	1.00E-03	3.0E-02		5.7E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	1,1,2,2-Tetrachloroethane	79-34-5	T		U	5.00E-04	3.9E-03		7.6E-04	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Tetrachloroethene	127-18-4	T		U	1.00E-03	5.0E-03		4.1E-02	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Tetrahydrofuran	109-99-9	T		U	1.00E-02	1.8E+01		3.4E+00	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	1,2,3-Trichlorobenzene	87-61-6	T		U	5.00E-03	1.6E-02		7.0E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	1,2,4-Trichlorobenzene	120-82-1	T		U	1.00E-03	7.0E-02		4.0E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	1,3,5-Trichlorobenzene	108-70-3	T		U	1.00E-03				
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	1,1,1-Trichloroethane	71-55-6	T		U	1.00E-03	2.0E-01		8.0E+00	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	1,1,2-Trichloroethane	79-00-5	T		U	1.00E-03	5.0E-03		4.1E-04	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Trichloroethene	79-01-6	T		U	1.00E-03	5.0E-03		2.8E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Trichlorofluoromethane	75-69-4	T		U	2.00E-03	6.0E+00		5.2E+00	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	1,2,3-Trichloropropane	96-18-4	T		U	2.00E-03	8.4E-06		7.5E-06	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T		U	1.00E-03	6.0E+02		1.0E+01	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	1,2,4-Trimethylbenzene	95-63-6	T		U	1.00E-03	2.0E-01		5.6E-02	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	1,3,5-Trimethylbenzene	108-67-8	T		U	1.00E-03	2.0E-01		6.0E-02	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Vinyl Chloride	75-01-4	T		U	2.00E-03	2.0E-03		1.9E-04	
RW-30S	HRP-MW30S-211027	N	10/27/21	VOC	Xylenes (total)	1330-20-7	T		U	2.00E-03	1.0E+01		1.9E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Acenaphthene	83-32-9	T		U	5.20E-03	1.2E+00		5.3E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Acenaphthylene	208-96-8	T		U	5.20E-03	6.0E-01		1.2E-01	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Acetophenone	98-86-2	T		U	1.00E-02	2.0E+00		1.9E+00	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	t-Amyl methyl ether	994-05-8	T		U	5.00E-04				
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Aniline	62-53-3	T		U	5.20E-03	1.4E-01		1.3E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Anthracene	120-12-7	T		U	5.20E-03	6.0E+00		1.8E+00	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Benzidine	92-87-5	T		U	2.10E-02	1.1E-06		1.1E-06	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Benzo(a)anthracene	56-55-3	T		U	5.20E-03	2.5E-03		3.0E-04	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Benzo(a)pyrene	50-32-8	T		U	5.20E-03	2.0E-04		2.5E-04	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	5.20E-03	2.5E-03		2.5E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	5.20E-03	6.0E-01		1.2E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	5.20E-03	2.5E-02		2.5E-02	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Benzoic Acid	65-85-0	T		U	1.00E-02	8.0E+01		7.5E+01	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	1.00E-02	6.0E-02		5.9E-02	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	1.00E-02	7.1E-04		1.4E-04	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.00E-02	6.0E-03		5.6E-02	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	1.00E-02				
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Butylbenzylphthalate	85-68-7	T		U	1.00E-02	4.1E-01		1.6E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Carbazole	86-74-8	T		U	1.00E-02	8.0E-01		2.9E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	1.00E-02	2.0E+00		1.4E+00	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	4-Chloroaniline	106-47-8	T		U	1.00E-02	3.9E-03		3.7E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-02	1.6E+00		7.5E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	2-Chlorophenol	95-57-8	T		U	1.00E-02	1.0E-01		9.1E-02	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	1.00E-02				
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Chrysene	218-01-9	T		U	5.20E-03	2.5E-01		2.5E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	5.20E-03	2.5E-04		2.5E-04	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Dibenzofuran	132-64-9	T		U	5.20E-03	2.0E-02		7.9E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.00E-02	1.7E-03		1.3E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	2,4-Dichlorophenol	120-83-2	T		U	1.00E-02	6.0E-02		4.6E-02	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Diethylphthalate	84-66-2	T		U	1.00E-02	1.6E+01		1.5E+01	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.00E-02	4.0E-01		3.6E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Dimethylphthalate	131-11-3	T		U	1.00E-02	1.6E+01		1.5E+01	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Di-n-butylphthalate	84-74-2	T		U	1.00E-02	2.0E+00		9.0E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	1.00E-02	1.6E-03		1.5E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	2,4-Dinitrophenol	51-28-5	T		U	1.00E-02	4.0E-02		3.9E-02	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.00E-02	2.0E-01		2.0E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	1,2-Diphenylhydrazine	122-66-7	T		U	1.00E-02	9.7E-04		7.8E-04	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Ethylene Glycol	107-21-1	T		U	1.00E+01	1.6E+01		1.6E+01	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Fluoranthene	206-44-0	T		U	5.20E-03	8.0E-01		8.0E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Fluorene	86-73-7	T		U	5.20E-03	8.0E-01		2.9E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Hexachlorobenzene	118-74-1	T		U	1.00E-02	1.0E-03		9.8E-05	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Hexachlorobutadiene	87-68-3	T		U	6.00E-04	1.0E-02		1.4E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.00E-02	5.0E-02		4.1E-04	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Hexachloroethane	67-72-1	T		U	1.00E-02	1.4E-02		3.3E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	5.20E-03	2.5E-03		2.5E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Isophorone	78-59-1	T		U	1.00E-02	8.2E-01		7.8E-01	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	1-Methylnaphthalene	90-12-0	T		U	5.20E-03	2.7E-02		1.1E-02	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	2-Methylnaphthalene	91-57-6	T		U	5.20E-03	8.0E-02		3.6E-02	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	2-Methylphenol	95-48-7	T		U	1.00E-02	1.0E+00		9.3E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	3&4-Methylphenol	65794-96-9	T		U	1.00E-02				
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Naphthalene	91-20-3	T		U	2.00E-03	6.5E-03		1.2E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	2-Nitroaniline	88-74-4	T		U	1.00E-02	2.0E-01		1.9E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	3-Nitroaniline	99-09-2	T		U	1.00E-02	3.9E-02		3.8E-02	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	4-Nitroaniline	100-01-6	T		U	1.00E-02	3.9E-02		3.8E-02	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	2-Nitrophenol	88-75-5	T		U	1.00E-02				
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	4-Nitrophenol	100-02-7	T		U	1.00E-02				
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	N-Nitrosodimethylamine	62-75-9	T		U	1.00E-02	4.9E-06		1.1E-06	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	1.00E-02	1.6E-01		1.2E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	1.00E-02	1.1E-04		1.1E-04	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	1.00E-02	8.0E-01		7.1E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Pentachloronitrobenzene	82-68-8	T		U	1.00E-02	3.0E-03		1.2E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Pentachlorophenol	87-86-5	T		U	1.00E-02	1.0E-03		4.1E-04	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Phenanthrene	85-01-8	T		U	5.20E-03	6.0E-01		1.2E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Phenol	108-95-2	T		U	1.00E-02	6.0E+00		5.8E+00	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Propylene glycol	57-55-6	T		U	1.00E+01	4.0E+02		4.0E+02	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Pyrene	129-00-0	T		U	5.20E-03	6.0E-01		1.2E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Pyridine	110-86-1	T		U	5.20E-03	2.0E-02		2.0E-02	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3	T		U	1.00E-02	6.0E-04		1.7E-04	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	1.00E-02	2.0E+00		1.2E+00	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	1.00E-02	2.0E-02		1.2E-02	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	1.00E-02	2.5E-03		2.4E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	1.00E-02	5.2E-04		4.9E-04	
RW-30S	HRP-MW30S-211027	N	10/27/21	SVOC	Nitrobenzene	98-95-3	T		U	1.00E-02	4.0E-02		1.4E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Aluminum	7429-90-5	D		U	5.00E-02	2.0E+01		2.0E+01	
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Aluminum	7429-90-5	T		U	5.00E-02	2.0E+01		2.0E+01	
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Antimony	7440-36-0	D		U	1.00E-03	6.0E-03		7.8E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Antimony	7440-36-0	T		U	1.00E-03	6.0E-03		7.8E-03	
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Arsenic	7440-38-2	D	7.10E-04	J	8.00E-04	1.0E-02	7.1E-02	5.2E-04	1.4E+00
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Arsenic	7440-38-2	T	1.20E-03		8.00E-04	1.0E-02	1.2E-01	5.2E-04	2.3E+00
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Barium	7440-39-3	D	4.10E-02		1.00E-02	2.0E+00	2.1E-02	3.8E+00	1.1E-02
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Barium	7440-39-3	T	3.80E-02		1.00E-02	2.0E+00	1.9E-02	3.8E+00	1.0E-02
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Beryllium	7440-41-7	D		U	4.00E-04	4.0E-03		2.5E-02	
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Beryllium	7440-41-7	T		U	4.00E-04	4.0E-03		2.5E-02	
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Cadmium	7440-43-9	D	7.00E-05	J	2.00E-04	5.0E-03	1.4E-02	1.8E-03	3.9E-02
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Cadmium	7440-43-9	T	8.20E-05	J	2.00E-04	5.0E-03	1.6E-02	1.8E-03	4.6E-02
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Chromium (total)	7440-47-3	D		U	1.00E-03	1.0E-01		2.2E+01	
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Chromium (total)	7440-47-3	T		U	1.00E-03	1.0E-01		2.2E+01	
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Cobalt	7440-48-4	D	1.60E-02		1.00E-03	6.0E-03	2.7E+00	6.0E-03	2.7E+00
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Cobalt	7440-48-4	T	1.70E-02		1.00E-03	6.0E-03	2.8E+00	6.0E-03	2.8E+00
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Copper	7440-50-8	D	2.10E-03		1.00E-03	1.3E+00	1.6E-03	8.0E-01	2.6E-03

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Copper	7440-50-8	T	2.00E-03		1.00E-03	1.3E+00	1.5E-03	8.0E-01	2.5E-03
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Iron	7439-89-6	D	1.60E+00		5.00E-02	1.4E+01	1.1E-01	1.4E+01	1.1E-01
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Iron	7439-89-6	T	1.50E+00		5.00E-02	1.4E+01	1.1E-01	1.4E+01	1.1E-01
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Lead	7439-92-1	D	5.20E-04		5.00E-04	1.5E-02	3.5E-02	1.5E-02	3.5E-02
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Lead	7439-92-1	T	4.80E-04	J	5.00E-04	1.5E-02	3.2E-02	1.5E-02	3.2E-02
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Manganese	7439-96-5	D	1.80E+00		1.00E-03	4.8E-01	<b>3.8E+00</b>	4.3E-01	<b>4.2E+00</b>
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Manganese	7439-96-5	T	1.70E+00		1.00E-03	4.8E-01	<b>3.5E+00</b>	4.3E-01	<b>4.0E+00</b>
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Mercury	7439-97-6	D		U	1.00E-04	2.0E-03		5.7E-04	
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Mercury	7439-97-6	T		U	1.00E-04	2.0E-03		5.7E-04	
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Nickel	7440-02-0	D	4.20E-02		5.00E-03	4.0E-01	1.1E-01	3.9E-01	1.1E-01
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Nickel	7440-02-0	T	4.30E-02		5.00E-03	4.0E-01	1.1E-01	3.9E-01	1.1E-01
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Selenium	7782-49-2	D		U	5.00E-03	5.0E-02		1.0E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Selenium	7782-49-2	T		U	5.00E-03	5.0E-02		1.0E-01	
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Silver	7440-22-4	D		U	2.00E-04	1.0E-01		9.4E-02	
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Silver	7440-22-4	T		U	2.00E-04	1.0E-01		9.4E-02	
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Thallium	7440-28-0	D		U	2.00E-04	2.0E-03		2.0E-04	
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Thallium	7440-28-0	T		U	2.00E-04	2.0E-03		2.0E-04	
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Vanadium	7440-62-2	D		U	5.00E-03	1.0E-01		8.6E-02	
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Vanadium	7440-62-2	T		U	5.00E-03	1.0E-01		8.6E-02	
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Zinc	7440-66-6	D	1.30E-02		1.00E-02	6.0E+00	2.2E-03	6.0E+00	2.2E-03
RW-30S	HRP-MW30S-211027	N	10/27/21	INORG	Zinc	7440-66-6	T	9.80E-03	J	1.00E-02	6.0E+00	1.6E-03	6.0E+00	1.6E-03
TW-02	PRG24_TW-02	N	02/18/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-02	TW-02_02/18/20	N	02/18/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-02	PRG24_TW-02	N	02/18/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-02	TW-02_02/18/20	N	02/18/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-02	PRG24_TW-02	N	02/18/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-02	TW-02_02/18/20	N	02/18/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-02	PRG24_TW-02	N	02/18/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-02	TW-02_02/18/20	N	02/18/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-02	PRG24_TW-02	N	02/18/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-02	TW-02_02/18/20	N	02/18/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-02	PRG24_TW-02	N	02/18/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-02	TW-02_02/18/20	N	02/18/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-02	PRG24_TW-02	N	02/18/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-02	TW-02_02/18/20	N	02/18/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-02	PRG24_TW-02	N	02/18/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-02	TW-02_02/18/20	N	02/18/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-02	PRG24_TW-02	N	02/18/20	SVOC	Acenaphthene	83-32-9	T		U	2.00E-04	1.2E+00		5.3E-01	
TW-02	TW-02_02/18/20	N	02/18/20	SVOC	Acenaphthene	83-32-9	T		U	2.00E-04	1.2E+00		5.3E-01	
TW-02	PRG24_TW-02	N	02/18/20	SVOC	Acenaphthylene	208-96-8	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-02	TW-02_02/18/20	N	02/18/20	SVOC	Acenaphthylene	208-96-8	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-02	PRG24_TW-02	N	02/18/20	SVOC	Anthracene	120-12-7	T		U	2.00E-04	6.0E+00		1.8E+00	
TW-02	TW-02_02/18/20	N	02/18/20	SVOC	Anthracene	120-12-7	T		U	2.00E-04	6.0E+00		1.8E+00	
TW-02	PRG24_TW-02	N	02/18/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	2.00E-04	2.5E-03		3.0E-04	



**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-02	TW-02_02/18/20	N	02/18/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	2.00E-04	2.5E-03		3.0E-04	
TW-02	PRG24_TW-02	N	02/18/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	2.00E-04	2.0E-04		2.5E-04	
TW-02	TW-02_02/18/20	N	02/18/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	2.00E-04	2.0E-04		2.5E-04	
TW-02	PRG24_TW-02	N	02/18/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	4.00E-04	2.5E-03		2.5E-03	
TW-02	TW-02_02/18/20	N	02/18/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	4.00E-04	2.5E-03		2.5E-03	
TW-02	PRG24_TW-02	N	02/18/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	2.00E-04	1.8E-03		1.8E-03	
TW-02	TW-02_02/18/20	N	02/18/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	2.00E-04	1.8E-03		1.8E-03	
TW-02	PRG24_TW-02	N	02/18/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	3.00E-04	6.0E-01		1.2E-01	
TW-02	TW-02_02/18/20	N	02/18/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	3.00E-04	6.0E-01		1.2E-01	
TW-02	PRG24_TW-02	N	02/18/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	2.00E-04	2.5E-02		2.5E-02	
TW-02	TW-02_02/18/20	N	02/18/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	2.00E-04	2.5E-02		2.5E-02	
TW-02	PRG24_TW-02	N	02/18/20	SVOC	1,1-Biphenyl	92-52-4	T		U	2.00E-04	9.7E-02		8.3E-04	
TW-02	TW-02_02/18/20	N	02/18/20	SVOC	1,1-Biphenyl	92-52-4	T		U	2.00E-04	9.7E-02		8.3E-04	
TW-02	PRG24_TW-02	N	02/18/20	SVOC	Chrysene	218-01-9	T		U	2.00E-04	2.5E-01		2.5E-01	
TW-02	TW-02_02/18/20	N	02/18/20	SVOC	Chrysene	218-01-9	T		U	2.00E-04	2.5E-01		2.5E-01	
TW-02	PRG24_TW-02	N	02/18/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	2.00E-04	2.5E-04		2.5E-04	
TW-02	TW-02_02/18/20	N	02/18/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	2.00E-04	2.5E-04		2.5E-04	
TW-02	PRG24_TW-02	N	02/18/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-04	2.0E-02		7.9E-03	
TW-02	TW-02_02/18/20	N	02/18/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-04	2.0E-02		7.9E-03	
TW-02	PRG24_TW-02	N	02/18/20	SVOC	Fluoranthene	206-44-0	T		U	2.00E-04	8.0E-01		8.0E-01	
TW-02	TW-02_02/18/20	N	02/18/20	SVOC	Fluoranthene	206-44-0	T		U	2.00E-04	8.0E-01		8.0E-01	
TW-02	PRG24_TW-02	N	02/18/20	SVOC	Fluorene	86-73-7	T		U	2.00E-04	8.0E-01		2.9E-01	
TW-02	TW-02_02/18/20	N	02/18/20	SVOC	Fluorene	86-73-7	T		U	2.00E-04	8.0E-01		2.9E-01	
TW-02	PRG24_TW-02	N	02/18/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	4.00E-04	2.5E-03		2.5E-03	
TW-02	TW-02_02/18/20	N	02/18/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	4.00E-04	2.5E-03		2.5E-03	
TW-02	PRG24_TW-02	N	02/18/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	2.00E-04	2.7E-02		1.1E-02	
TW-02	TW-02_02/18/20	N	02/18/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	2.00E-04	2.7E-02		1.1E-02	
TW-02	PRG24_TW-02	N	02/18/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	3.00E-04	8.0E-02		3.6E-02	
TW-02	TW-02_02/18/20	N	02/18/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	3.00E-04	8.0E-02		3.6E-02	
TW-02	PRG24_TW-02	N	02/18/20	SVOC	Naphthalene	91-20-3	T	2.00E-04	J	3.00E-04	6.5E-03	3.1E-02	1.2E-03	1.7E-01
TW-02	TW-02_02/18/20	N	02/18/20	SVOC	Naphthalene	91-20-3	T	2.00E-04	J	3.00E-04	6.5E-03	3.1E-02	1.2E-03	1.7E-01
TW-02	PRG24_TW-02	N	02/18/20	SVOC	Perylene	198-55-0	T		U	2.00E-04				
TW-02	TW-02_02/18/20	N	02/18/20	SVOC	Perylene	198-55-0	T		U	2.00E-04				
TW-02	PRG24_TW-02	N	02/18/20	SVOC	Phenanthrene	85-01-8	T		U	3.00E-04	6.0E-01		1.2E-01	
TW-02	TW-02_02/18/20	N	02/18/20	SVOC	Phenanthrene	85-01-8	T		U	3.00E-04	6.0E-01		1.2E-01	
TW-02	PRG24_TW-02	N	02/18/20	SVOC	Pyrene	129-00-0	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-02	TW-02_02/18/20	N	02/18/20	SVOC	Pyrene	129-00-0	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-02	PRG25_TW02	N	05/12/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-02	TW-02_05/12/20	N	05/12/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-02	PRG25_TW02	N	05/12/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-02	TW-02_05/12/20	N	05/12/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-02	PRG25_TW02	N	05/12/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-02	TW-02_05/12/20	N	05/12/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-02	PRG25_TW02	N	05/12/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-02	TW-02_05/12/20	N	05/12/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-02	PRG25_TW02	N	05/12/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-02	TW-02_05/12/20	N	05/12/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-02	PRG25_TW02	N	05/12/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-02	TW-02_05/12/20	N	05/12/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-02	PRG25_TW02	N	05/12/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-02	TW-02_05/12/20	N	05/12/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-02	PRG25_TW02	N	05/12/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-02	TW-02_05/12/20	N	05/12/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-02	PRG25_TW02	N	05/12/20	SVOC	Acenaphthene	83-32-9	T	4.00E-05	J	1.00E-04	1.2E+00	3.3E-05	5.3E-01	7.5E-05
TW-02	TW-02_05/12/20	N	05/12/20	SVOC	Acenaphthene	83-32-9	T	4.00E-05	J	1.00E-04	1.2E+00	3.3E-05	5.3E-01	7.5E-05
TW-02	PRG25_TW02	N	05/12/20	SVOC	Acenaphthylene	208-96-8	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-02	TW-02_05/12/20	N	05/12/20	SVOC	Acenaphthylene	208-96-8	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-02	PRG25_TW02	N	05/12/20	SVOC	Anthracene	120-12-7	T		U	1.00E-04	6.0E+00		1.8E+00	
TW-02	TW-02_05/12/20	N	05/12/20	SVOC	Anthracene	120-12-7	T		U	1.00E-04	6.0E+00		1.8E+00	
TW-02	PRG25_TW02	N	05/12/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	1.00E-04	2.5E-03		3.0E-04	
TW-02	TW-02_05/12/20	N	05/12/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	1.00E-04	2.5E-03		3.0E-04	
TW-02	PRG25_TW02	N	05/12/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	1.00E-04	2.0E-04		2.5E-04	
TW-02	TW-02_05/12/20	N	05/12/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	1.00E-04	2.0E-04		2.5E-04	
TW-02	PRG25_TW02	N	05/12/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	2.00E-04	2.5E-03		2.5E-03	
TW-02	TW-02_05/12/20	N	05/12/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	2.00E-04	2.5E-03		2.5E-03	
TW-02	PRG25_TW02	N	05/12/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	1.00E-04	1.8E-03		1.8E-03	
TW-02	TW-02_05/12/20	N	05/12/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	1.00E-04	1.8E-03		1.8E-03	
TW-02	PRG25_TW02	N	05/12/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-02	TW-02_05/12/20	N	05/12/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-02	PRG25_TW02	N	05/12/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	1.00E-04	2.5E-02		2.5E-02	
TW-02	TW-02_05/12/20	N	05/12/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	1.00E-04	2.5E-02		2.5E-02	
TW-02	PRG25_TW02	N	05/12/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-04	9.7E-02		8.3E-04	
TW-02	TW-02_05/12/20	N	05/12/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-04	9.7E-02		8.3E-04	
TW-02	PRG25_TW02	N	05/12/20	SVOC	Chrysene	218-01-9	T		U	1.00E-04	2.5E-01		2.5E-01	
TW-02	TW-02_05/12/20	N	05/12/20	SVOC	Chrysene	218-01-9	T		U	1.00E-04	2.5E-01		2.5E-01	
TW-02	PRG25_TW02	N	05/12/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	1.00E-04	2.5E-04		2.5E-04	
TW-02	TW-02_05/12/20	N	05/12/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	1.00E-04	2.5E-04		2.5E-04	
TW-02	PRG25_TW02	N	05/12/20	SVOC	Dibenzofuran	132-64-9	T		U	1.00E-04	2.0E-02		7.9E-03	
TW-02	TW-02_05/12/20	N	05/12/20	SVOC	Dibenzofuran	132-64-9	T		U	1.00E-04	2.0E-02		7.9E-03	
TW-02	PRG25_TW02	N	05/12/20	SVOC	Fluoranthene	206-44-0	T	7.00E-05	J	1.00E-04	8.0E-01	8.8E-05	8.0E-01	8.8E-05
TW-02	TW-02_05/12/20	N	05/12/20	SVOC	Fluoranthene	206-44-0	T	7.00E-05	J	1.00E-04	8.0E-01	8.8E-05	8.0E-01	8.8E-05
TW-02	PRG25_TW02	N	05/12/20	SVOC	Fluorene	86-73-7	T		U	1.00E-04	8.0E-01		2.9E-01	
TW-02	TW-02_05/12/20	N	05/12/20	SVOC	Fluorene	86-73-7	T		U	1.00E-04	8.0E-01		2.9E-01	
TW-02	PRG25_TW02	N	05/12/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	2.00E-04	2.5E-03		2.5E-03	
TW-02	TW-02_05/12/20	N	05/12/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	2.00E-04	2.5E-03		2.5E-03	
TW-02	PRG25_TW02	N	05/12/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	1.00E-04	2.7E-02		1.1E-02	
TW-02	TW-02_05/12/20	N	05/12/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	1.00E-04	2.7E-02		1.1E-02	
TW-02	PRG25_TW02	N	05/12/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	1.00E-04	8.0E-02		3.6E-02	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-02	TW-02_05/12/20	N	05/12/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	1.00E-04	8.0E-02		3.6E-02	
TW-02	PRG25_TW02	N	05/12/20	SVOC	Naphthalene	91-20-3	T		U	2.00E-04	6.5E-03		1.2E-03	
TW-02	TW-02_05/12/20	N	05/12/20	SVOC	Naphthalene	91-20-3	T		U	2.00E-04	6.5E-03		1.2E-03	
TW-02	PRG25_TW02	N	05/12/20	SVOC	Perylene	198-55-0	T		U	1.00E-04				
TW-02	TW-02_05/12/20	N	05/12/20	SVOC	Perylene	198-55-0	T		U	1.00E-04				
TW-02	PRG25_TW02	N	05/12/20	SVOC	Phenanthrene	85-01-8	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-02	TW-02_05/12/20	N	05/12/20	SVOC	Phenanthrene	85-01-8	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-02	PRG25_TW02	N	05/12/20	SVOC	Pyrene	129-00-0	T	8.00E-05	J	1.00E-04	6.0E-01	1.3E-04	1.2E-01	6.7E-04
TW-02	TW-02_05/12/20	N	05/12/20	SVOC	Pyrene	129-00-0	T	8.00E-05	J	1.00E-04	6.0E-01	1.3E-04	1.2E-01	6.7E-04
TW-02	TW-02_08/11/20	N	08/11/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-02	TW-02_08/11/20	N	08/11/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-02	TW-02_08/11/20	N	08/11/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-02	TW-02_08/11/20	N	08/11/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-02	TW-02_08/11/20	N	08/11/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-02	TW-02_08/11/20	N	08/11/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-02	TW-02_08/11/20	N	08/11/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-02	TW-02_08/11/20	N	08/11/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-02	TW-02_08/11/20	N	08/11/20	SVOC	Acenaphthene	83-32-9	T	1.20E-04		1.10E-04	1.2E+00	1.0E-04	5.3E-01	2.3E-04
TW-02	TW-02_08/11/20	N	08/11/20	SVOC	Acenaphthylene	208-96-8	T		U	1.10E-04	6.0E-01		1.2E-01	
TW-02	TW-02_08/11/20	N	08/11/20	SVOC	Anthracene	120-12-7	T		U	1.10E-04	6.0E+00		1.8E+00	
TW-02	TW-02_08/11/20	N	08/11/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	1.10E-04	2.5E-03		3.0E-04	
TW-02	TW-02_08/11/20	N	08/11/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	1.10E-04	2.0E-04		2.5E-04	
TW-02	TW-02_08/11/20	N	08/11/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	2.00E-04	2.5E-03		2.5E-03	
TW-02	TW-02_08/11/20	N	08/11/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	1.10E-04	1.8E-03		1.8E-03	
TW-02	TW-02_08/11/20	N	08/11/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	1.60E-04	6.0E-01		1.2E-01	
TW-02	TW-02_08/11/20	N	08/11/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	1.10E-04	2.5E-02		2.5E-02	
TW-02	TW-02_08/11/20	N	08/11/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.10E-04	9.7E-02		8.3E-04	
TW-02	TW-02_08/11/20	N	08/11/20	SVOC	Chrysene	218-01-9	T		U	1.10E-04	2.5E-01		2.5E-01	
TW-02	TW-02_08/11/20	N	08/11/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	1.10E-04	2.5E-04		2.5E-04	
TW-02	TW-02_08/11/20	N	08/11/20	SVOC	Dibenzofuran	132-64-9	T		U	1.10E-04	2.0E-02		7.9E-03	
TW-02	TW-02_08/11/20	N	08/11/20	SVOC	Fluoranthene	206-44-0	T	1.60E-04	J	1.10E-04	8.0E-01	2.0E-04	8.0E-01	2.0E-04
TW-02	TW-02_08/11/20	N	08/11/20	SVOC	Fluorene	86-73-7	T		U	1.10E-04	8.0E-01		2.9E-01	
TW-02	TW-02_08/11/20	N	08/11/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	2.00E-04	2.5E-03		2.5E-03	
TW-02	TW-02_08/11/20	N	08/11/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	1.10E-04	2.7E-02		1.1E-02	
TW-02	TW-02_08/11/20	N	08/11/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	1.60E-04	8.0E-02		3.6E-02	
TW-02	TW-02_08/11/20	N	08/11/20	SVOC	Naphthalene	91-20-3	T		U	1.80E-04	6.5E-03		1.2E-03	
TW-02	TW-02_08/11/20	N	08/11/20	SVOC	Perylene	198-55-0	T		U	1.10E-04				
TW-02	TW-02_08/11/20	N	08/11/20	SVOC	Phenanthrene	85-01-8	T		U	1.80E-04	6.0E-01		1.2E-01	
TW-02	TW-02_08/11/20	N	08/11/20	SVOC	Pyrene	129-00-0	T	1.60E-04		1.10E-04	6.0E-01	2.7E-04	1.2E-01	1.3E-03
TW-02	410-12267-2383.2_TW02	N	12/08/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-02	TW02-12082020	N	12/08/20	VOC	Benzene	71-43-2	T		U	2.00E-04	5.0E-03		4.6E-03	
TW-02	410-12267-2383.2_TW02	N	12/08/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-02	TW02-12082020	N	12/08/20	VOC	1,2-Dibromoethane	106-93-4	T		U	3.00E-04	5.0E-05		7.5E-05	
TW-02	410-12267-2383.2_TW02	N	12/08/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-02	TW02-12082020	N	12/08/20	VOC	1,2-Dichloroethane	107-06-2	T		U	2.00E-03	5.0E-03		1.7E-03	
TW-02	410-12267-2383.2_TW02	N	12/08/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-02	TW02-12082020	N	12/08/20	VOC	Ethyl Benzene	100-41-4	T		U	2.00E-04	7.0E-01		1.5E-02	
TW-02	410-12267-2383.2_TW02	N	12/08/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-02	TW02-12082020	N	12/08/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	2.00E-04	4.3E-01		1.4E-01	
TW-02	410-12267-2383.2_TW02	N	12/08/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-02	TW02-12082020	N	12/08/20	VOC	tert-Butyl alcohol	75-65-0	T		U	1.00E-02	1.6E+00		1.5E+00	
TW-02	410-12267-2383.2_TW02	N	12/08/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-02	TW02-12082020	N	12/08/20	VOC	Toluene	108-88-3	T		U	2.00E-04	1.0E+00		1.1E+00	
TW-02	410-12267-2383.2_TW02	N	12/08/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-02	TW02-12082020	N	12/08/20	VOC	Xylenes (total)	1330-20-7	T		U	8.00E-04	1.0E+01		1.9E-01	
TW-02	410-12267-2383.2_TW02	N	12/08/20	SVOC	Acenaphthene	83-32-9	T	7.30E-05	J	1.10E-04	1.2E+00	6.1E-05	5.3E-01	1.4E-04
TW-02	TW02-12082020	N	12/08/20	SVOC	Acenaphthene	83-32-9	T	7.30E-05	J	2.10E-05	1.2E+00	6.1E-05	5.3E-01	1.4E-04
TW-02	410-12267-2383.2_TW02	N	12/08/20	SVOC	Acenaphthylene	208-96-8	T		U	1.10E-04	6.0E-01		1.2E-01	
TW-02	TW02-12082020	N	12/08/20	SVOC	Acenaphthylene	208-96-8	T		U	2.10E-05	6.0E-01		1.2E-01	
TW-02	410-12267-2383.2_TW02	N	12/08/20	SVOC	Anthracene	120-12-7	T	4.80E-05	J	1.10E-04	6.0E+00	8.0E-06	1.8E+00	2.7E-05
TW-02	TW02-12082020	N	12/08/20	SVOC	Anthracene	120-12-7	T	4.80E-05	J	2.10E-05	6.0E+00	8.0E-06	1.8E+00	2.7E-05
TW-02	410-12267-2383.2_TW02	N	12/08/20	SVOC	Benzo(a)anthracene	56-55-3	T	4.90E-05	J	1.10E-04	2.5E-03	2.0E-02	3.0E-04	1.6E-01
TW-02	TW02-12082020	N	12/08/20	SVOC	Benzo(a)anthracene	56-55-3	T	4.90E-05	J	2.10E-05	2.5E-03	2.0E-02	3.0E-04	1.6E-01
TW-02	410-12267-2383.2_TW02	N	12/08/20	SVOC	Benzo(a)pyrene	50-32-8	T	5.70E-05	J	1.10E-04	2.0E-04	2.9E-01	2.5E-04	2.3E-01
TW-02	TW02-12082020	N	12/08/20	SVOC	Benzo(a)pyrene	50-32-8	T	5.70E-05	J	2.10E-05	2.0E-04	2.9E-01	2.5E-04	2.3E-01
TW-02	410-12267-2383.2_TW02	N	12/08/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	1.90E-04	2.5E-03		2.5E-03	
TW-02	TW02-12082020	N	12/08/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	8.50E-05	2.5E-03		2.5E-03	
TW-02	410-12267-2383.2_TW02	N	12/08/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	1.10E-04	1.8E-03		1.8E-03	
TW-02	TW02-12082020	N	12/08/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	2.10E-05	1.8E-03		1.8E-03	
TW-02	410-12267-2383.2_TW02	N	12/08/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	1.50E-04	6.0E-01		1.2E-01	
TW-02	TW02-12082020	N	12/08/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	6.30E-05	6.0E-01		1.2E-01	
TW-02	410-12267-2383.2_TW02	N	12/08/20	SVOC	Benzo(k)fluoranthene	207-08-9	T	3.60E-05	J	1.10E-04	2.5E-02	1.4E-03	2.5E-02	1.4E-03
TW-02	TW02-12082020	N	12/08/20	SVOC	Benzo(k)fluoranthene	207-08-9	T	3.60E-05	J	2.10E-05	2.5E-02	1.4E-03	2.5E-02	1.4E-03
TW-02	410-12267-2383.2_TW02	N	12/08/20	SVOC	1,1-Biphenyl	92-52-4	T	4.60E-05	J	1.10E-04	9.7E-02	4.7E-04	8.3E-04	5.5E-02
TW-02	TW02-12082020	N	12/08/20	SVOC	1,1-Biphenyl	92-52-4	T	4.60E-05	J	4.20E-05	9.7E-02	4.7E-04	8.3E-04	5.5E-02
TW-02	410-12267-2383.2_TW02	N	12/08/20	SVOC	Chrysene	218-01-9	T	5.00E-05	J	1.10E-04	2.5E-01	2.0E-04	2.5E-01	2.0E-04
TW-02	TW02-12082020	N	12/08/20	SVOC	Chrysene	218-01-9	T	5.00E-05	J	2.10E-05	2.5E-01	2.0E-04	2.5E-01	2.0E-04
TW-02	410-12267-2383.2_TW02	N	12/08/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T	3.40E-05	J	1.10E-04	2.5E-04	1.4E-01	2.5E-04	1.4E-01
TW-02	TW02-12082020	N	12/08/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T	3.40E-05	J	2.10E-05	2.5E-04	1.4E-01	2.5E-04	1.4E-01
TW-02	410-12267-2383.2_TW02	N	12/08/20	SVOC	Dibenzofuran	132-64-9	T	4.50E-05	J	1.10E-04	2.0E-02	2.3E-03	7.9E-03	5.7E-03
TW-02	TW02-12082020	N	12/08/20	SVOC	Dibenzofuran	132-64-9	T	4.50E-05	J	2.10E-05	2.0E-02	2.3E-03	7.9E-03	5.7E-03
TW-02	410-12267-2383.2_TW02	N	12/08/20	SVOC	Fluoranthene	206-44-0	T	8.30E-05	J	1.10E-04	8.0E-01	1.0E-04	8.0E-01	1.0E-04
TW-02	TW02-12082020	N	12/08/20	SVOC	Fluoranthene	206-44-0	T	8.30E-05	J	2.10E-05	8.0E-01	1.0E-04	8.0E-01	1.0E-04
TW-02	410-12267-2383.2_TW02	N	12/08/20	SVOC	Fluorene	86-73-7	T	5.00E-05	J	1.10E-04	8.0E-01	6.3E-05	2.9E-01	1.7E-04
TW-02	TW02-12082020	N	12/08/20	SVOC	Fluorene	86-73-7	T	5.00E-05	J	2.10E-05	8.0E-01	6.3E-05	2.9E-01	1.7E-04
TW-02	410-12267-2383.2_TW02	N	12/08/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	1.90E-04	2.5E-03		2.5E-03	
TW-02	TW02-12082020	N	12/08/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	8.50E-05	2.5E-03		2.5E-03	
TW-02	410-12267-2383.2_TW02	N	12/08/20	SVOC	1-Methylnaphthalene	90-12-0	T	2.50E-05	J	1.10E-04	2.7E-02	9.3E-04	1.1E-02	2.3E-03

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-02	TW02-12082020	N	12/08/20	SVOC	1-Methylnaphthalene	90-12-0	T	2.50E-05	J	2.10E-05	2.7E-02	9.3E-04	1.1E-02	2.3E-03
TW-02	410-12267-2383.2_TW02	N	12/08/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	1.50E-04	8.0E-02		3.6E-02	
TW-02	TW02-12082020	N	12/08/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	6.30E-05	8.0E-02		3.6E-02	
TW-02	410-12267-2383.2_TW02	N	12/08/20	SVOC	Naphthalene	91-20-3	T		U	1.70E-04	6.5E-03		1.2E-03	
TW-02	TW02-12082020	N	12/08/20	SVOC	Naphthalene	91-20-3	T		U	6.30E-05	6.5E-03		1.2E-03	
TW-02	410-12267-2383.2_TW02	N	12/08/20	SVOC	Perylene	198-55-0	T		U	1.10E-04				
TW-02	TW02-12082020	N	12/08/20	SVOC	Perylene	198-55-0	T		U	4.20E-05				
TW-02	410-12267-2383.2_TW02	N	12/08/20	SVOC	Phenanthrene	85-01-8	T	7.30E-05	J	1.70E-04	6.0E-01	1.2E-04	1.2E-01	6.1E-04
TW-02	TW02-12082020	N	12/08/20	SVOC	Phenanthrene	85-01-8	T	7.30E-05	J	6.30E-05	6.0E-01	1.2E-04	1.2E-01	6.1E-04
TW-02	410-12267-2383.2_TW02	N	12/08/20	SVOC	Pyrene	129-00-0	T	7.70E-05	J	1.10E-04	6.0E-01	1.3E-04	1.2E-01	6.4E-04
TW-02	TW02-12082020	N	12/08/20	SVOC	Pyrene	129-00-0	T	7.70E-05	J	4.20E-05	6.0E-01	1.3E-04	1.2E-01	6.4E-04
TW-02	410-33562-1_TW-02	N	03/22/21	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-02	TW-02-03222021	N	03/22/21	VOC	Benzene	71-43-2	T		U	2.00E-04	5.0E-03		4.6E-03	
TW-02	410-33562-1_TW-02	N	03/22/21	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-02	TW-02-03222021	N	03/22/21	VOC	1,2-Dibromoethane	106-93-4	T		U	3.00E-04	5.0E-05		7.5E-05	
TW-02	410-33562-1_TW-02	N	03/22/21	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-02	TW-02-03222021	N	03/22/21	VOC	1,2-Dichloroethane	107-06-2	T		U	2.00E-03	5.0E-03		1.7E-03	
TW-02	410-33562-1_TW-02	N	03/22/21	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-02	TW-02-03222021	N	03/22/21	VOC	Ethyl Benzene	100-41-4	T		U	2.00E-04	7.0E-01		1.5E-02	
TW-02	410-33562-1_TW-02	N	03/22/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-02	TW-02-03222021	N	03/22/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	2.00E-04	4.3E-01		1.4E-01	
TW-02	410-33562-1_TW-02	N	03/22/21	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-02	TW-02-03222021	N	03/22/21	VOC	tert-Butyl alcohol	75-65-0	T		U	1.00E-02	1.6E+00		1.5E+00	
TW-02	410-33562-1_TW-02	N	03/22/21	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-02	TW-02-03222021	N	03/22/21	VOC	Toluene	108-88-3	T		U	2.00E-04	1.0E+00		1.1E+00	
TW-02	410-33562-1_TW-02	N	03/22/21	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-02	TW-02-03222021	N	03/22/21	VOC	Xylenes (total)	1330-20-7	T		U	8.00E-04	1.0E+01		1.9E-01	
TW-02	410-33562-1_TW-02	N	03/22/21	SVOC	Acenaphthene	83-32-9	T	6.40E-05	J	1.00E-04	1.2E+00	5.3E-05	5.3E-01	1.2E-04
TW-02	TW-02-03222021	N	03/22/21	SVOC	Acenaphthene	83-32-9	T	6.40E-05	J	2.00E-05	1.2E+00	5.3E-05	5.3E-01	1.2E-04
TW-02	410-33562-1_TW-02	N	03/22/21	SVOC	Acenaphthylene	208-96-8	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-02	TW-02-03222021	N	03/22/21	SVOC	Acenaphthylene	208-96-8	T		U	2.00E-05	6.0E-01		1.2E-01	
TW-02	410-33562-1_TW-02	N	03/22/21	SVOC	Anthracene	120-12-7	T		U	1.00E-04	6.0E+00		1.8E+00	
TW-02	TW-02-03222021	N	03/22/21	SVOC	Anthracene	120-12-7	T		U	2.00E-05	6.0E+00		1.8E+00	
TW-02	410-33562-1_TW-02	N	03/22/21	SVOC	Benzo(a)anthracene	56-55-3	T		U	1.00E-04	2.5E-03		3.0E-04	
TW-02	TW-02-03222021	N	03/22/21	SVOC	Benzo(a)anthracene	56-55-3	T		U	2.00E-05	2.5E-03		3.0E-04	
TW-02	410-33562-1_TW-02	N	03/22/21	SVOC	Benzo(a)pyrene	50-32-8	T		U	1.00E-04	2.0E-04		2.5E-04	
TW-02	TW-02-03222021	N	03/22/21	SVOC	Benzo(a)pyrene	50-32-8	T		U	2.00E-05	2.0E-04		2.5E-04	
TW-02	410-33562-1_TW-02	N	03/22/21	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	1.80E-04	2.5E-03		2.5E-03	
TW-02	TW-02-03222021	N	03/22/21	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	8.10E-05	2.5E-03		2.5E-03	
TW-02	410-33562-1_TW-02	N	03/22/21	SVOC	Benzo(e)pyrene	192-97-2	T		U	1.00E-04	1.8E-03		1.8E-03	
TW-02	TW-02-03222021	N	03/22/21	SVOC	Benzo(e)pyrene	192-97-2	T		U	2.00E-05	1.8E-03		1.8E-03	
TW-02	410-33562-1_TW-02	N	03/22/21	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	1.40E-04	6.0E-01		1.2E-01	
TW-02	TW-02-03222021	N	03/22/21	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	6.10E-05	6.0E-01		1.2E-01	
TW-02	410-33562-1_TW-02	N	03/22/21	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	1.00E-04	2.5E-02		2.5E-02	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-02	TW-02-03222021	N	03/22/21	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	2.00E-05	2.5E-02		2.5E-02	
TW-02	410-33562-1_TW-02	N	03/22/21	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-04	9.7E-02		8.3E-04	
TW-02	TW-02-03222021	N	03/22/21	SVOC	1,1-Biphenyl	92-52-4	T		U	4.00E-05	9.7E-02		8.3E-04	
TW-02	410-33562-1_TW-02	N	03/22/21	SVOC	Chrysene	218-01-9	T		U	1.00E-04	2.5E-01		2.5E-01	
TW-02	TW-02-03222021	N	03/22/21	SVOC	Chrysene	218-01-9	T		U	2.00E-05	2.5E-01		2.5E-01	
TW-02	410-33562-1_TW-02	N	03/22/21	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	1.00E-04	2.5E-04		2.5E-04	
TW-02	TW-02-03222021	N	03/22/21	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	2.00E-05	2.5E-04		2.5E-04	
TW-02	410-33562-1_TW-02	N	03/22/21	SVOC	Dibenzofuran	132-64-9	T		U	1.00E-04	2.0E-02		7.9E-03	
TW-02	TW-02-03222021	N	03/22/21	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-05	2.0E-02		7.9E-03	
TW-02	410-33562-1_TW-02	N	03/22/21	SVOC	Fluoranthene	206-44-0	T	5.70E-05	J	1.00E-04	8.0E-01	7.1E-05	8.0E-01	7.1E-05
TW-02	TW-02-03222021	N	03/22/21	SVOC	Fluoranthene	206-44-0	T	5.70E-05	J*	2.00E-05	8.0E-01	7.1E-05	8.0E-01	7.1E-05
TW-02	410-33562-1_TW-02	N	03/22/21	SVOC	Fluorene	86-73-7	T		U	1.00E-04	8.0E-01		2.9E-01	
TW-02	TW-02-03222021	N	03/22/21	SVOC	Fluorene	86-73-7	T		U	2.00E-05	8.0E-01		2.9E-01	
TW-02	410-33562-1_TW-02	N	03/22/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	1.80E-04	2.5E-03		2.5E-03	
TW-02	TW-02-03222021	N	03/22/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	8.10E-05	2.5E-03		2.5E-03	
TW-02	410-33562-1_TW-02	N	03/22/21	SVOC	1-Methylnaphthalene	90-12-0	T		U	1.00E-04	2.7E-02		1.1E-02	
TW-02	TW-02-03222021	N	03/22/21	SVOC	1-Methylnaphthalene	90-12-0	T		U	2.00E-05	2.7E-02		1.1E-02	
TW-02	410-33562-1_TW-02	N	03/22/21	SVOC	2-Methylnaphthalene	91-57-6	T		U	1.40E-04	8.0E-02		3.6E-02	
TW-02	TW-02-03222021	N	03/22/21	SVOC	2-Methylnaphthalene	91-57-6	T		U	6.10E-05	8.0E-02		3.6E-02	
TW-02	410-33562-1_TW-02	N	03/22/21	SVOC	Naphthalene	91-20-3	T		U	1.60E-04	6.5E-03		1.2E-03	
TW-02	TW-02-03222021	N	03/22/21	SVOC	Naphthalene	91-20-3	T		U	6.10E-05	6.5E-03		1.2E-03	
TW-02	410-33562-1_TW-02	N	03/22/21	SVOC	Perylene	198-55-0	T		U	1.00E-04				
TW-02	TW-02-03222021	N	03/22/21	SVOC	Perylene	198-55-0	T		U*	4.00E-05				
TW-02	410-33562-1_TW-02	N	03/22/21	SVOC	Phenanthrene	85-01-8	T		U	1.60E-04	6.0E-01		1.2E-01	
TW-02	TW-02-03222021	N	03/22/21	SVOC	Phenanthrene	85-01-8	T		U	6.10E-05	6.0E-01		1.2E-01	
TW-02	410-33562-1_TW-02	N	03/22/21	SVOC	Pyrene	129-00-0	T	6.70E-05	J	1.00E-04	6.0E-01	1.1E-04	1.2E-01	5.6E-04
TW-02	TW-02-03222021	N	03/22/21	SVOC	Pyrene	129-00-0	T	6.70E-05	J	4.00E-05	6.0E-01	1.1E-04	1.2E-01	5.6E-04
TW-02	HRP-TW02-211101	N	11/01/21	SVOC	Naphthalene	91-20-3	T		U	6.40E-04	6.5E-03		1.2E-03	
TW-02	HRP-TW-02-220503	N	05/03/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
TW-02	HRP-TW02-221018	N	10/18/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
TW-03	PRG24_TW-03	N	02/18/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-03	TW-03_02/18/20	N	02/18/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-03	PRG24_TW-03	N	02/18/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-03	TW-03_02/18/20	N	02/18/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-03	PRG24_TW-03	N	02/18/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-03	TW-03_02/18/20	N	02/18/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-03	PRG24_TW-03	N	02/18/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-03	TW-03_02/18/20	N	02/18/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-03	PRG24_TW-03	N	02/18/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-03	TW-03_02/18/20	N	02/18/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-03	PRG24_TW-03	N	02/18/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-03	TW-03_02/18/20	N	02/18/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-03	PRG24_TW-03	N	02/18/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-03	TW-03_02/18/20	N	02/18/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-03	PRG24_TW-03	N	02/18/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-03	TW-03_02/18/20	N	02/18/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-03	PRG24_TW-03	N	02/18/20	SVOC	Acenaphthene	83-32-9	T		U	2.00E-04	1.2E+00		5.3E-01	
TW-03	TW-03_02/18/20	N	02/18/20	SVOC	Acenaphthene	83-32-9	T		U	2.00E-04	1.2E+00		5.3E-01	
TW-03	PRG24_TW-03	N	02/18/20	SVOC	Acenaphthylene	208-96-8	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-03	TW-03_02/18/20	N	02/18/20	SVOC	Acenaphthylene	208-96-8	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-03	PRG24_TW-03	N	02/18/20	SVOC	Anthracene	120-12-7	T		U	2.00E-04	6.0E+00		1.8E+00	
TW-03	TW-03_02/18/20	N	02/18/20	SVOC	Anthracene	120-12-7	T		U	2.00E-04	6.0E+00		1.8E+00	
TW-03	PRG24_TW-03	N	02/18/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	2.00E-04	2.5E-03		3.0E-04	
TW-03	TW-03_02/18/20	N	02/18/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	2.00E-04	2.5E-03		3.0E-04	
TW-03	PRG24_TW-03	N	02/18/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	2.00E-04	2.0E-04		2.5E-04	
TW-03	TW-03_02/18/20	N	02/18/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	2.00E-04	2.0E-04		2.5E-04	
TW-03	PRG24_TW-03	N	02/18/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	4.00E-04	2.5E-03		2.5E-03	
TW-03	TW-03_02/18/20	N	02/18/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	4.00E-04	2.5E-03		2.5E-03	
TW-03	PRG24_TW-03	N	02/18/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	2.00E-04	1.8E-03		1.8E-03	
TW-03	TW-03_02/18/20	N	02/18/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	2.00E-04	1.8E-03		1.8E-03	
TW-03	PRG24_TW-03	N	02/18/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	3.00E-04	6.0E-01		1.2E-01	
TW-03	TW-03_02/18/20	N	02/18/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	3.00E-04	6.0E-01		1.2E-01	
TW-03	PRG24_TW-03	N	02/18/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	2.00E-04	2.5E-02		2.5E-02	
TW-03	TW-03_02/18/20	N	02/18/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	2.00E-04	2.5E-02		2.5E-02	
TW-03	PRG24_TW-03	N	02/18/20	SVOC	1,1-Biphenyl	92-52-4	T		U	2.00E-04	9.7E-02		8.3E-04	
TW-03	TW-03_02/18/20	N	02/18/20	SVOC	1,1-Biphenyl	92-52-4	T		U	2.00E-04	9.7E-02		8.3E-04	
TW-03	PRG24_TW-03	N	02/18/20	SVOC	Chrysene	218-01-9	T		U	2.00E-04	2.5E-01		2.5E-01	
TW-03	TW-03_02/18/20	N	02/18/20	SVOC	Chrysene	218-01-9	T		U	2.00E-04	2.5E-01		2.5E-01	
TW-03	PRG24_TW-03	N	02/18/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	2.00E-04	2.5E-04		2.5E-04	
TW-03	TW-03_02/18/20	N	02/18/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	2.00E-04	2.5E-04		2.5E-04	
TW-03	PRG24_TW-03	N	02/18/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-04	2.0E-02		7.9E-03	
TW-03	TW-03_02/18/20	N	02/18/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-04	2.0E-02		7.9E-03	
TW-03	PRG24_TW-03	N	02/18/20	SVOC	Fluoranthene	206-44-0	T		U	2.00E-04	8.0E-01		8.0E-01	
TW-03	TW-03_02/18/20	N	02/18/20	SVOC	Fluoranthene	206-44-0	T		U	2.00E-04	8.0E-01		8.0E-01	
TW-03	PRG24_TW-03	N	02/18/20	SVOC	Fluorene	86-73-7	T		U	2.00E-04	8.0E-01		2.9E-01	
TW-03	TW-03_02/18/20	N	02/18/20	SVOC	Fluorene	86-73-7	T		U	2.00E-04	8.0E-01		2.9E-01	
TW-03	PRG24_TW-03	N	02/18/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	4.00E-04	2.5E-03		2.5E-03	
TW-03	TW-03_02/18/20	N	02/18/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	4.00E-04	2.5E-03		2.5E-03	
TW-03	PRG24_TW-03	N	02/18/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	2.00E-04	2.7E-02		1.1E-02	
TW-03	TW-03_02/18/20	N	02/18/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	2.00E-04	2.7E-02		1.1E-02	
TW-03	PRG24_TW-03	N	02/18/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	3.00E-04	8.0E-02		3.6E-02	
TW-03	TW-03_02/18/20	N	02/18/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	3.00E-04	8.0E-02		3.6E-02	
TW-03	PRG24_TW-03	N	02/18/20	SVOC	Naphthalene	91-20-3	T		U	3.00E-04	6.5E-03		1.2E-03	
TW-03	TW-03_02/18/20	N	02/18/20	SVOC	Naphthalene	91-20-3	T		U	3.00E-04	6.5E-03		1.2E-03	
TW-03	PRG24_TW-03	N	02/18/20	SVOC	Perylene	198-55-0	T		U	2.00E-04				
TW-03	TW-03_02/18/20	N	02/18/20	SVOC	Perylene	198-55-0	T		U	2.00E-04				
TW-03	PRG24_TW-03	N	02/18/20	SVOC	Phenanthrene	85-01-8	T		U	3.00E-04	6.0E-01		1.2E-01	
TW-03	TW-03_02/18/20	N	02/18/20	SVOC	Phenanthrene	85-01-8	T		U	3.00E-04	6.0E-01		1.2E-01	



**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-03	PRG24_TW-03	N	02/18/20	SVOC	Pyrene	129-00-0	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-03	TW-03_02/18/20	N	02/18/20	SVOC	Pyrene	129-00-0	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-03	TW-03_02/18/20	N	02/18/20	INORG	Iron	7439-89-6	T	5.31E+01		5.00E+00	1.4E+01	<b>3.8E+00</b>	1.4E+01	<b>3.8E+00</b>
TW-03	TW-03_02/18/20	N	02/18/20	INORG	Manganese	7439-96-5	T	7.09E+00		1.00E-02	4.8E-01	<b>1.5E+01</b>	4.3E-01	<b>1.6E+01</b>
TW-03	PRG25_TW03	N	05/12/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-03	TW-03_05/12/20	N	05/12/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-03	PRG25_TW03	N	05/12/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-03	TW-03_05/12/20	N	05/12/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-03	PRG25_TW03	N	05/12/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-03	TW-03_05/12/20	N	05/12/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-03	PRG25_TW03	N	05/12/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-03	TW-03_05/12/20	N	05/12/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-03	PRG25_TW03	N	05/12/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-03	TW-03_05/12/20	N	05/12/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-03	PRG25_TW03	N	05/12/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-03	TW-03_05/12/20	N	05/12/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-03	PRG25_TW03	N	05/12/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-03	TW-03_05/12/20	N	05/12/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-03	PRG25_TW03	N	05/12/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-03	TW-03_05/12/20	N	05/12/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-03	PRG25_TW03	N	05/12/20	SVOC	Acenaphthene	83-32-9	T	2.00E-05	J	1.00E-04	1.2E+00	1.7E-05	5.3E-01	3.8E-05
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Acenaphthene	83-32-9	T	2.00E-05	J	1.00E-04	1.2E+00	1.7E-05	5.3E-01	3.8E-05
TW-03	PRG25_TW03	N	05/12/20	SVOC	Acenaphthylene	208-96-8	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Acenaphthylene	208-96-8	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-03	PRG25_TW03	N	05/12/20	SVOC	Acetophenone	98-86-2	T		U	1.10E-02	2.0E+00		1.9E+00	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Anthracene	120-12-7	T	4.00E-05	J	1.00E-04	6.0E+00	6.7E-06	1.8E+00	2.2E-05
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Anthracene	120-12-7	T	4.00E-05	J	1.00E-04	6.0E+00	6.7E-06	1.8E+00	2.2E-05
TW-03	PRG25_TW03	N	05/12/20	SVOC	Atrazine	1912-24-9	T		U	5.00E-03	3.0E-03		3.0E-03	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Benzaldehyde	100-52-7	T		U	1.10E-02	1.9E-01		1.9E-01	
TW-03	PRG25_TW03	N	05/12/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	1.00E-04	2.5E-03		3.0E-04	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	1.00E-04	2.5E-03		3.0E-04	
TW-03	PRG25_TW03	N	05/12/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	1.00E-04	2.0E-04		2.5E-04	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	1.00E-04	2.0E-04		2.5E-04	
TW-03	PRG25_TW03	N	05/12/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	2.00E-04	2.5E-03		2.5E-03	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	2.00E-04	2.5E-03		2.5E-03	
TW-03	PRG25_TW03	N	05/12/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	1.00E-04	1.8E-03		1.8E-03	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	1.00E-04	1.8E-03		1.8E-03	
TW-03	PRG25_TW03	N	05/12/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-03	PRG25_TW03	N	05/12/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	1.00E-04	2.5E-02		2.5E-02	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	1.00E-04	2.5E-02		2.5E-02	
TW-03	PRG25_TW03	N	05/12/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-04	9.7E-02		8.3E-04	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-04	9.7E-02		8.3E-04	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	2.00E-03	6.0E-02		5.9E-02	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	2.00E-03	7.1E-04		1.4E-04	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.20E-02	6.0E-03		5.6E-02	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	2.00E-03				
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Butylbenzylphthalate	85-68-7	T		U	5.00E-03	4.1E-01		1.6E-01	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Caprolactam	105-60-2	T		U	1.20E-02	1.0E+01		9.9E+00	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Carbazole	86-74-8	T		U	2.00E-03	8.0E-01		2.9E-01	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	4.00E-03	2.0E+00		1.4E+00	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	4-Chloroaniline	106-47-8	T		U	1.10E-02	3.9E-03		3.7E-03	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-03	1.6E+00		7.5E-01	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	2-Chlorophenol	95-57-8	T		U	2.00E-03	1.0E-01		9.1E-02	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	2.00E-03				
TW-03	PRG25_TW03	N	05/12/20	SVOC	Chrysene	218-01-9	T		U	1.00E-04	2.5E-01		2.5E-01	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Chrysene	218-01-9	T		U	1.00E-04	2.5E-01		2.5E-01	
TW-03	PRG25_TW03	N	05/12/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	1.00E-04	2.5E-04		2.5E-04	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	1.00E-04	2.5E-04		2.5E-04	
TW-03	PRG25_TW03	N	05/12/20	SVOC	Dibenzofuran	132-64-9	T	2.00E-05	J	1.00E-04	2.0E-02	1.0E-03	7.9E-03	2.5E-03
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Dibenzofuran	132-64-9	T	2.00E-05	J	1.00E-04	2.0E-02	1.0E-03	7.9E-03	2.5E-03
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.10E-02	1.7E-03		1.3E-03	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	2,4-Dichlorophenol	120-83-2	T		U	2.00E-03	6.0E-02		4.6E-02	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Diethylphthalate	84-66-2	T		U	5.00E-03	1.6E+01		1.5E+01	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.10E-02	4.0E-01		3.6E-01	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Dimethylphthalate	131-11-3	T		U	5.00E-03	1.6E+01		1.5E+01	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Di-n-butylphthalate	84-74-2	T		U	5.00E-03	2.0E+00		9.0E-01	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	2.20E-02	1.6E-03		1.5E-03	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	2,4-Dinitrophenol	51-28-5	T		U	3.20E-02	4.0E-02		3.9E-02	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.20E-02	2.0E-01		2.0E-01	
TW-03	PRG25_TW03	N	05/12/20	SVOC	Fluoranthene	206-44-0	T		U	1.00E-04	8.0E-01		8.0E-01	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Fluoranthene	206-44-0	T		U	1.00E-04	8.0E-01		8.0E-01	
TW-03	PRG25_TW03	N	05/12/20	SVOC	Fluorene	86-73-7	T	7.00E-05	J	1.00E-04	8.0E-01	8.8E-05	2.9E-01	2.4E-04
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Fluorene	86-73-7	T	7.00E-05	J	1.00E-04	8.0E-01	8.8E-05	2.9E-01	2.4E-04
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Hexachlorobenzene	118-74-1	T		U	5.00E-04	1.0E-03		9.8E-05	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Hexachlorobutadiene	87-68-3	T		U	2.00E-03	1.0E-02		1.4E-03	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.20E-02	5.0E-02		4.1E-04	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Hexachloroethane	67-72-1	T		U	5.00E-03	1.4E-02		3.3E-03	
TW-03	PRG25_TW03	N	05/12/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	2.00E-04	2.5E-03		2.5E-03	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	2.00E-04	2.5E-03		2.5E-03	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Isophorone	78-59-1	T		U	2.00E-03	8.2E-01		7.8E-01	
TW-03	PRG25_TW03	N	05/12/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	1.00E-04	2.7E-02		1.1E-02	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	1.00E-04	2.7E-02		1.1E-02	
TW-03	PRG25_TW03	N	05/12/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	1.00E-04	8.0E-02		3.6E-02	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	1.00E-04	8.0E-02		3.6E-02	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	2-Methylphenol	95-48-7	T		U	2.00E-03	1.0E+00		9.3E-01	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	4-Methylphenol	106-44-5	T		U	2.00E-03	4.0E-01		3.7E-01	
TW-03	PRG25_TW03	N	05/12/20	SVOC	Naphthalene	91-20-3	T		U	2.00E-04	6.5E-03		1.2E-03	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Naphthalene	91-20-3	T		U	2.00E-04	6.5E-03		1.2E-03	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	2-Nitroaniline	88-74-4	T		U	7.00E-03	2.0E-01		1.9E-01	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	3-Nitroaniline	99-09-2	T		U	7.00E-03	3.9E-02		3.8E-02	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	4-Nitroaniline	100-01-6	T		U	3.00E-03	3.9E-02		3.8E-02	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	2-Nitrophenol	88-75-5	T		U	1.10E-02				
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	4-Nitrophenol	100-02-7	T		U	3.20E-02				
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	3.00E-03	1.6E-01		1.2E-01	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	3.00E-03	1.1E-04		1.1E-04	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	2.00E-03	8.0E-01		7.1E-01	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Pentachlorophenol	87-86-5	T		U	5.00E-03	1.0E-03		4.1E-04	
TW-03	PRG25_TW03	N	05/12/20	SVOC	Perylene	198-55-0	T		U	1.00E-04				
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Perylene	198-55-0	T		U	1.00E-04				
TW-03	PRG25_TW03	N	05/12/20	SVOC	Phenanthrene	85-01-8	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Phenanthrene	85-01-8	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Phenol	108-95-2	T		U	2.00E-03	6.0E+00		5.8E+00	
TW-03	PRG25_TW03	N	05/12/20	SVOC	Pyrene	129-00-0	T	5.00E-05	J	1.00E-04	6.0E-01	8.3E-05	1.2E-01	4.2E-04
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Pyrene	129-00-0	T	5.00E-05	J	1.00E-04	6.0E-01	8.3E-05	1.2E-01	4.2E-04
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	2.00E-03	2.0E+00		1.2E+00	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	2.00E-03	2.0E-02		1.2E-02	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	5.00E-03	2.5E-03		2.4E-03	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	2.00E-03	5.2E-04		4.9E-04	
TW-03	TW-03_05/12/20	N	05/12/20	SVOC	Nitrobenzene	98-95-3	T		U	2.00E-03	4.0E-02		1.4E-03	
TW-03	TW-03_05/12/20	N	05/12/20	INORG	Antimony	7440-36-0	T		U	5.00E-02	6.0E-03		7.8E-03	
TW-03	TW-03_05/12/20	N	05/12/20	INORG	Arsenic	7440-38-2	T		U	3.00E-02	1.0E-02		5.2E-04	
TW-03	TW-03_05/12/20	N	05/12/20	INORG	Barium	7440-39-3	T	1.80E-02		5.00E-03	2.0E+00	9.0E-03	3.8E+00	4.7E-03
TW-03	TW-03_05/12/20	N	05/12/20	INORG	Beryllium	7440-41-7	T	1.30E-03	J	5.00E-03	4.0E-03	3.3E-01	2.5E-02	5.2E-02
TW-03	TW-03_05/12/20	N	05/12/20	INORG	Cadmium	7440-43-9	T	1.70E-03	J	5.00E-03	5.0E-03	3.4E-01	1.8E-03	9.4E-01
TW-03	TW-03_05/12/20	N	05/12/20	INORG	Chromium (total)	7440-47-3	T		U	1.50E-02	1.0E-01		2.2E+01	
TW-03	TW-03_05/12/20	N	05/12/20	INORG	Cobalt	7440-48-4	T	1.25E-01		5.00E-03	6.0E-03	<b>2.1E+01</b>	6.0E-03	<b>2.1E+01</b>
TW-03	TW-03_05/12/20	N	05/12/20	INORG	Copper	7440-50-8	T		U	2.00E-02	1.3E+00		8.0E-01	
TW-03	TW-03_05/12/20	N	05/12/20	INORG	Iron	7439-89-6	T	5.78E+01		5.00E+00	1.4E+01	<b>4.1E+00</b>	1.4E+01	<b>4.1E+00</b>
TW-03	TW-03_05/12/20	N	05/12/20	INORG	Lead	7439-92-1	T	2.44E-02		1.50E-02	1.5E-02	<b>1.6E+00</b>	1.5E-02	<b>1.6E+00</b>
TW-03	TW-03_05/12/20	N	05/12/20	INORG	Manganese	7439-96-5	T	6.63E+00		1.00E-02	4.8E-01	<b>1.4E+01</b>	4.3E-01	<b>1.5E+01</b>
TW-03	TW-03_05/12/20	N	05/12/20	INORG	Mercury	7439-97-6	T		U	2.00E-04	2.0E-03		5.7E-04	
TW-03	TW-03_05/12/20	N	05/12/20	INORG	Molybdenum	7439-98-7	T		U	1.00E-02	1.0E-01		1.0E-01	
TW-03	TW-03_05/12/20	N	05/12/20	INORG	Nickel	7440-02-0	T	6.08E-02		1.00E-02	4.0E-01	1.5E-01	3.9E-01	1.6E-01
TW-03	TW-03_05/12/20	N	05/12/20	INORG	Selenium	7782-49-2	T		U	5.00E-02	5.0E-02		1.0E-01	
TW-03	TW-03_05/12/20	N	05/12/20	INORG	Silver	7440-22-4	T		U	1.00E-02	1.0E-01		9.4E-02	
TW-03	TW-03_05/12/20	N	05/12/20	INORG	Thallium	7440-28-0	T		U	1.50E-01	2.0E-03		2.0E-04	
TW-03	TW-03_05/12/20	N	05/12/20	INORG	Vanadium	7440-62-2	T	5.60E-03	J	1.00E-02	1.0E-01	5.6E-02	8.6E-02	6.5E-02
TW-03	TW-03_05/12/20	N	05/12/20	INORG	Zinc	7440-66-6	T	1.43E-01		2.00E-02	6.0E+00	2.4E-02	6.0E+00	2.4E-02
TW-03	TW-03_08/11/20	N	08/11/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-03	TW-03_08/11/20	N	08/11/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-03	TW-03_08/11/20	N	08/11/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-03	TW-03_08/11/20	N	08/11/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-03	TW-03_08/11/20	N	08/11/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-03	TW-03_08/11/20	N	08/11/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-03	TW-03_08/11/20	N	08/11/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-03	TW-03_08/11/20	N	08/11/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-03	TW-03_08/11/20	N	08/11/20	SVOC	Acenaphthene	83-32-9	T		U	1.00E-04	1.2E+00		5.3E-01	
TW-03	TW-03_08/11/20	N	08/11/20	SVOC	Acenaphthylene	208-96-8	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-03	TW-03_08/11/20	N	08/11/20	SVOC	Anthracene	120-12-7	T		U	1.00E-04	6.0E+00		1.8E+00	
TW-03	TW-03_08/11/20	N	08/11/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	1.00E-04	2.5E-03		3.0E-04	
TW-03	TW-03_08/11/20	N	08/11/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	1.00E-04	2.0E-04		2.5E-04	
TW-03	TW-03_08/11/20	N	08/11/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	1.90E-04	2.5E-03		2.5E-03	
TW-03	TW-03_08/11/20	N	08/11/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	1.00E-04	1.8E-03		1.8E-03	
TW-03	TW-03_08/11/20	N	08/11/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	1.40E-04	6.0E-01		1.2E-01	
TW-03	TW-03_08/11/20	N	08/11/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	1.00E-04	2.5E-02		2.5E-02	
TW-03	TW-03_08/11/20	N	08/11/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-04	9.7E-02		8.3E-04	
TW-03	TW-03_08/11/20	N	08/11/20	SVOC	Chrysene	218-01-9	T		U	1.00E-04	2.5E-01		2.5E-01	
TW-03	TW-03_08/11/20	N	08/11/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	1.00E-04	2.5E-04		2.5E-04	
TW-03	TW-03_08/11/20	N	08/11/20	SVOC	Dibenzofuran	132-64-9	T		U	1.00E-04	2.0E-02		7.9E-03	
TW-03	TW-03_08/11/20	N	08/11/20	SVOC	Fluoranthene	206-44-0	T		U	1.00E-04	8.0E-01		8.0E-01	
TW-03	TW-03_08/11/20	N	08/11/20	SVOC	Fluorene	86-73-7	T		U	1.00E-04	8.0E-01		2.9E-01	
TW-03	TW-03_08/11/20	N	08/11/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	1.90E-04	2.5E-03		2.5E-03	
TW-03	TW-03_08/11/20	N	08/11/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	1.00E-04	2.7E-02		1.1E-02	
TW-03	TW-03_08/11/20	N	08/11/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	1.40E-04	8.0E-02		3.6E-02	
TW-03	TW-03_08/11/20	N	08/11/20	SVOC	Naphthalene	91-20-3	T		U	1.60E-04	6.5E-03		1.2E-03	
TW-03	TW-03_08/11/20	N	08/11/20	SVOC	Perylene	198-55-0	T		U	1.00E-04				
TW-03	TW-03_08/11/20	N	08/11/20	SVOC	Phenanthrene	85-01-8	T	7.00E-05	J	1.60E-04	6.0E-01	1.2E-04	1.2E-01	5.8E-04
TW-03	TW-03_08/11/20	N	08/11/20	SVOC	Pyrene	129-00-0	T	7.60E-05	J	1.00E-04	6.0E-01	1.3E-04	1.2E-01	6.3E-04
TW-03	TW-03_08112020	N	08/11/20	INORG	Iron	7439-89-6	T	2.10E+01	HF	1.00E+00	1.4E+01	<b>1.5E+00</b>	1.4E+01	<b>1.5E+00</b>
TW-03	TW-03_08112020	N	08/11/20	INORG	Manganese	7439-96-5	T	2.40E+00		1.00E-02	4.8E-01	<b>5.0E+00</b>	4.3E-01	<b>5.6E+00</b>
TW-03	410-12267-2383.1_TW03	N	12/08/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-03	TW03-12082020	N	12/08/20	VOC	Benzene	71-43-2	T		U	2.00E-04	5.0E-03		4.6E-03	
TW-03	410-12267-2383.1_TW03	N	12/08/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-03	TW03-12082020	N	12/08/20	VOC	1,2-Dibromoethane	106-93-4	T		U	3.00E-04	5.0E-05		7.5E-05	
TW-03	410-12267-2383.1_TW03	N	12/08/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-03	TW03-12082020	N	12/08/20	VOC	1,2-Dichloroethane	107-06-2	T		U	2.00E-03	5.0E-03		1.7E-03	
TW-03	410-12267-2383.1_TW03	N	12/08/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-03	TW03-12082020	N	12/08/20	VOC	Ethyl Benzene	100-41-4	T		U	2.00E-04	7.0E-01		1.5E-02	
TW-03	410-12267-2383.1_TW03	N	12/08/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-03	TW03-12082020	N	12/08/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	2.00E-04	4.3E-01		1.4E-01	
TW-03	410-12267-2383.1_TW03	N	12/08/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-03	TW03-12082020	N	12/08/20	VOC	tert-Butyl alcohol	75-65-0	T		U	1.00E-02	1.6E+00		1.5E+00	
TW-03	410-12267-2383.1_TW03	N	12/08/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-03	TW03-12082020	N	12/08/20	VOC	Toluene	108-88-3	T		U	2.00E-04	1.0E+00		1.1E+00	
TW-03	410-12267-2383.1_TW03	N	12/08/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-03	TW03-12082020	N	12/08/20	VOC	Xylenes (total)	1330-20-7	T		U	8.00E-04	1.0E+01		1.9E-01	
TW-03	410-12267-2383.1_TW03	N	12/08/20	SVOC	Acenaphthene	83-32-9	T	3.30E-05	J	1.00E-04	1.2E+00	2.8E-05	5.3E-01	6.2E-05
TW-03	TW03-12082020	N	12/08/20	SVOC	Acenaphthene	83-32-9	T	3.30E-05	J	2.10E-05	1.2E+00	2.8E-05	5.3E-01	6.2E-05
TW-03	410-12267-2383.1_TW03	N	12/08/20	SVOC	Acenaphthylene	208-96-8	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-03	TW03-12082020	N	12/08/20	SVOC	Acenaphthylene	208-96-8	T		U	2.10E-05	6.0E-01		1.2E-01	
TW-03	410-12267-2383.1_TW03	N	12/08/20	SVOC	Anthracene	120-12-7	T		U	1.00E-04	6.0E+00		1.8E+00	
TW-03	TW03-12082020	N	12/08/20	SVOC	Anthracene	120-12-7	T		U	2.10E-05	6.0E+00		1.8E+00	
TW-03	410-12267-2383.1_TW03	N	12/08/20	SVOC	Benzo(a)anthracene	56-55-3	T	2.60E-05	J	1.00E-04	2.5E-03	1.0E-02	3.0E-04	8.7E-02
TW-03	TW03-12082020	N	12/08/20	SVOC	Benzo(a)anthracene	56-55-3	T	2.60E-05	J	2.10E-05	2.5E-03	1.0E-02	3.0E-04	8.7E-02
TW-03	410-12267-2383.1_TW03	N	12/08/20	SVOC	Benzo(a)pyrene	50-32-8	T	3.60E-05	J	1.00E-04	2.0E-04	1.8E-01	2.5E-04	1.4E-01
TW-03	TW03-12082020	N	12/08/20	SVOC	Benzo(a)pyrene	50-32-8	T	3.60E-05	J	2.10E-05	2.0E-04	1.8E-01	2.5E-04	1.4E-01
TW-03	410-12267-2383.1_TW03	N	12/08/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	1.90E-04	2.5E-03		2.5E-03	
TW-03	TW03-12082020	N	12/08/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	8.40E-05	2.5E-03		2.5E-03	
TW-03	410-12267-2383.1_TW03	N	12/08/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	1.00E-04	1.8E-03		1.8E-03	
TW-03	TW03-12082020	N	12/08/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	2.10E-05	1.8E-03		1.8E-03	
TW-03	410-12267-2383.1_TW03	N	12/08/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T	7.70E-05	J	1.50E-04	6.0E-01	1.3E-04	1.2E-01	6.4E-04
TW-03	TW03-12082020	N	12/08/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T	7.70E-05	J	6.30E-05	6.0E-01	1.3E-04	1.2E-01	6.4E-04
TW-03	410-12267-2383.1_TW03	N	12/08/20	SVOC	Benzo(k)fluoranthene	207-08-9	T	5.60E-05	J	1.00E-04	2.5E-02	2.2E-03	2.5E-02	2.2E-03
TW-03	TW03-12082020	N	12/08/20	SVOC	Benzo(k)fluoranthene	207-08-9	T	5.60E-05	J	2.10E-05	2.5E-02	2.2E-03	2.5E-02	2.2E-03
TW-03	410-12267-2383.1_TW03	N	12/08/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-04	9.7E-02		8.3E-04	
TW-03	TW03-12082020	N	12/08/20	SVOC	1,1-Biphenyl	92-52-4	T		U	4.20E-05	9.7E-02		8.3E-04	
TW-03	410-12267-2383.1_TW03	N	12/08/20	SVOC	Chrysene	218-01-9	T	4.30E-05	J	1.00E-04	2.5E-01	1.7E-04	2.5E-01	1.7E-04
TW-03	TW03-12082020	N	12/08/20	SVOC	Chrysene	218-01-9	T	4.30E-05	J	2.10E-05	2.5E-01	1.7E-04	2.5E-01	1.7E-04
TW-03	410-12267-2383.1_TW03	N	12/08/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T	7.20E-05	J	1.00E-04	2.5E-04	2.9E-01	2.5E-04	2.9E-01
TW-03	TW03-12082020	N	12/08/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T	7.20E-05	J	2.10E-05	2.5E-04	2.9E-01	2.5E-04	2.9E-01
TW-03	410-12267-2383.1_TW03	N	12/08/20	SVOC	Dibenzofuran	132-64-9	T		U	1.00E-04	2.0E-02		7.9E-03	
TW-03	TW03-12082020	N	12/08/20	SVOC	Dibenzofuran	132-64-9	T		U	2.10E-05	2.0E-02		7.9E-03	
TW-03	410-12267-2383.1_TW03	N	12/08/20	SVOC	Fluoranthene	206-44-0	T	2.40E-05	J	1.00E-04	8.0E-01	3.0E-05	8.0E-01	3.0E-05
TW-03	TW03-12082020	N	12/08/20	SVOC	Fluoranthene	206-44-0	T	2.40E-05	J	2.10E-05	8.0E-01	3.0E-05	8.0E-01	3.0E-05
TW-03	410-12267-2383.1_TW03	N	12/08/20	SVOC	Fluorene	86-73-7	T	9.80E-05	J	1.00E-04	8.0E-01	1.2E-04	2.9E-01	3.4E-04
TW-03	TW03-12082020	N	12/08/20	SVOC	Fluorene	86-73-7	T	9.80E-05	J	2.10E-05	8.0E-01	1.2E-04	2.9E-01	3.4E-04
TW-03	410-12267-2383.1_TW03	N	12/08/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T	8.60E-05	J	1.90E-04	2.5E-03	3.4E-02	2.5E-03	3.4E-02
TW-03	TW03-12082020	N	12/08/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T	8.60E-05	J	8.40E-05	2.5E-03	3.4E-02	2.5E-03	3.4E-02
TW-03	410-12267-2383.1_TW03	N	12/08/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	1.00E-04	2.7E-02		1.1E-02	
TW-03	TW03-12082020	N	12/08/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	2.10E-05	2.7E-02		1.1E-02	
TW-03	410-12267-2383.1_TW03	N	12/08/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	1.50E-04	8.0E-02		3.6E-02	
TW-03	TW03-12082020	N	12/08/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	6.30E-05	8.0E-02		3.6E-02	
TW-03	410-12267-2383.1_TW03	N	12/08/20	SVOC	Naphthalene	91-20-3	T		U	1.70E-04	6.5E-03		1.2E-03	
TW-03	TW03-12082020	N	12/08/20	SVOC	Naphthalene	91-20-3	T		U	6.30E-05	6.5E-03		1.2E-03	
TW-03	410-12267-2383.1_TW03	N	12/08/20	SVOC	Perylene	198-55-0	T		U	1.00E-04				
TW-03	TW03-12082020	N	12/08/20	SVOC	Perylene	198-55-0	T		U	4.20E-05				
TW-03	410-12267-2383.1_TW03	N	12/08/20	SVOC	Phenanthrene	85-01-8	T		U	1.70E-04	6.0E-01		1.2E-01	
TW-03	TW03-12082020	N	12/08/20	SVOC	Phenanthrene	85-01-8	T		U	6.30E-05	6.0E-01		1.2E-01	
TW-03	410-12267-2383.1_TW03	N	12/08/20	SVOC	Pyrene	129-00-0	T	5.50E-05	J	1.00E-04	6.0E-01	9.2E-05	1.2E-01	4.6E-04

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-03	TW03-12082020	N	12/08/20	SVOC	Pyrene	129-00-0	T	5.50E-05	J	4.20E-05	6.0E-01	9.2E-05	1.2E-01	4.6E-04
TW-03	410-33562-1_TW-03	N	03/22/21	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-03	TW-03-03222021	N	03/22/21	VOC	Benzene	71-43-2	T		U	2.00E-04	5.0E-03		4.6E-03	
TW-03	410-33562-1_TW-03	N	03/22/21	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-03	TW-03-03222021	N	03/22/21	VOC	1,2-Dibromoethane	106-93-4	T		U	3.00E-04	5.0E-05		7.5E-05	
TW-03	410-33562-1_TW-03	N	03/22/21	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-03	TW-03-03222021	N	03/22/21	VOC	1,2-Dichloroethane	107-06-2	T		U	2.00E-03	5.0E-03		1.7E-03	
TW-03	410-33562-1_TW-03	N	03/22/21	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-03	TW-03-03222021	N	03/22/21	VOC	Ethyl Benzene	100-41-4	T		U	2.00E-04	7.0E-01		1.5E-02	
TW-03	410-33562-1_TW-03	N	03/22/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-03	TW-03-03222021	N	03/22/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	2.00E-04	4.3E-01		1.4E-01	
TW-03	410-33562-1_TW-03	N	03/22/21	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-03	TW-03-03222021	N	03/22/21	VOC	tert-Butyl alcohol	75-65-0	T		U	1.00E-02	1.6E+00		1.5E+00	
TW-03	410-33562-1_TW-03	N	03/22/21	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-03	TW-03-03222021	N	03/22/21	VOC	Toluene	108-88-3	T		U	2.00E-04	1.0E+00		1.1E+00	
TW-03	410-33562-1_TW-03	N	03/22/21	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-03	TW-03-03222021	N	03/22/21	VOC	Xylenes (total)	1330-20-7	T		U	8.00E-04	1.0E+01		1.9E-01	
TW-03	410-33562-1_TW-03	N	03/22/21	SVOC	Acenaphthene	83-32-9	T	2.60E-05	J	1.00E-04	1.2E+00	2.2E-05	5.3E-01	4.9E-05
TW-03	TW-03-03222021	N	03/22/21	SVOC	Acenaphthene	83-32-9	T	2.60E-05	J	2.00E-05	1.2E+00	2.2E-05	5.3E-01	4.9E-05
TW-03	410-33562-1_TW-03	N	03/22/21	SVOC	Acenaphthylene	208-96-8	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-03	TW-03-03222021	N	03/22/21	SVOC	Acenaphthylene	208-96-8	T		U	2.00E-05	6.0E-01		1.2E-01	
TW-03	410-33562-1_TW-03	N	03/22/21	SVOC	Anthracene	120-12-7	T	4.50E-05	J	1.00E-04	6.0E+00	7.5E-06	1.8E+00	2.5E-05
TW-03	TW-03-03222021	N	03/22/21	SVOC	Anthracene	120-12-7	T	4.50E-05	J	2.00E-05	6.0E+00	7.5E-06	1.8E+00	2.5E-05
TW-03	410-33562-1_TW-03	N	03/22/21	SVOC	Benzo(a)anthracene	56-55-3	T	5.00E-05	J	1.00E-04	2.5E-03	2.0E-02	3.0E-04	1.7E-01
TW-03	TW-03-03222021	N	03/22/21	SVOC	Benzo(a)anthracene	56-55-3	T	5.00E-05	J	2.00E-05	2.5E-03	2.0E-02	3.0E-04	1.7E-01
TW-03	410-33562-1_TW-03	N	03/22/21	SVOC	Benzo(a)pyrene	50-32-8	T	7.20E-05	JB	1.00E-04	2.0E-04	3.6E-01	2.5E-04	2.9E-01
TW-03	TW-03-03222021	N	03/22/21	SVOC	Benzo(a)pyrene	50-32-8	T	7.20E-05	JB	2.00E-05	2.0E-04	3.6E-01	2.5E-04	2.9E-01
TW-03	410-33562-1_TW-03	N	03/22/21	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	1.80E-04	2.5E-03		2.5E-03	
TW-03	TW-03-03222021	N	03/22/21	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	8.20E-05	2.5E-03		2.5E-03	
TW-03	410-33562-1_TW-03	N	03/22/21	SVOC	Benzo(e)pyrene	192-97-2	T	3.00E-05	J	1.00E-04	1.8E-03	1.7E-02	1.8E-03	1.7E-02
TW-03	TW-03-03222021	N	03/22/21	SVOC	Benzo(e)pyrene	192-97-2	T	3.00E-05	J	2.00E-05	1.8E-03	1.7E-02	1.8E-03	1.7E-02
TW-03	410-33562-1_TW-03	N	03/22/21	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	1.40E-04	6.0E-01		1.2E-01	
TW-03	TW-03-03222021	N	03/22/21	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	6.10E-05	6.0E-01		1.2E-01	
TW-03	410-33562-1_TW-03	N	03/22/21	SVOC	Benzo(k)fluoranthene	207-08-9	T	6.10E-05	J	1.00E-04	2.5E-02	2.4E-03	2.5E-02	2.4E-03
TW-03	TW-03-03222021	N	03/22/21	SVOC	Benzo(k)fluoranthene	207-08-9	T	6.10E-05	J	2.00E-05	2.5E-02	2.4E-03	2.5E-02	2.4E-03
TW-03	410-33562-1_TW-03	N	03/22/21	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-04	9.7E-02		8.3E-04	
TW-03	TW-03-03222021	N	03/22/21	SVOC	1,1-Biphenyl	92-52-4	T		U	4.10E-05	9.7E-02		8.3E-04	
TW-03	410-33562-1_TW-03	N	03/22/21	SVOC	Chrysene	218-01-9	T	4.30E-05	J	1.00E-04	2.5E-01	1.7E-04	2.5E-01	1.7E-04
TW-03	TW-03-03222021	N	03/22/21	SVOC	Chrysene	218-01-9	T	4.30E-05	J	2.00E-05	2.5E-01	1.7E-04	2.5E-01	1.7E-04
TW-03	410-33562-1_TW-03	N	03/22/21	SVOC	Dibenz(a,h)anthracene	53-70-3	T	3.30E-05	J	1.00E-04	2.5E-04	1.3E-01	2.5E-04	1.3E-01
TW-03	TW-03-03222021	N	03/22/21	SVOC	Dibenz(a,h)anthracene	53-70-3	T	3.30E-05	J	2.00E-05	2.5E-04	1.3E-01	2.5E-04	1.3E-01
TW-03	410-33562-1_TW-03	N	03/22/21	SVOC	Dibenzofuran	132-64-9	T	2.00E-05	J	1.00E-04	2.0E-02	1.0E-03	7.9E-03	2.5E-03
TW-03	TW-03-03222021	N	03/22/21	SVOC	Dibenzofuran	132-64-9	T	2.00E-05	J	2.00E-05	2.0E-02	1.0E-03	7.9E-03	2.5E-03
TW-03	410-33562-1_TW-03	N	03/22/21	SVOC	Fluoranthene	206-44-0	T	9.60E-05	J	1.00E-04	8.0E-01	1.2E-04	8.0E-01	1.2E-04

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-03	TW-03-03222021	N	03/22/21	SVOC	Fluoranthene	206-44-0	T	9.60E-05	J*+	2.00E-05	8.0E-01	1.2E-04	8.0E-01	1.2E-04
TW-03	410-33562-1_TW-03	N	03/22/21	SVOC	Fluorene	86-73-7	T	7.60E-05	J	1.00E-04	8.0E-01	9.5E-05	2.9E-01	2.6E-04
TW-03	TW-03-03222021	N	03/22/21	SVOC	Fluorene	86-73-7	T	7.60E-05	J	2.00E-05	8.0E-01	9.5E-05	2.9E-01	2.6E-04
TW-03	410-33562-1_TW-03	N	03/22/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	1.80E-04	2.5E-03		2.5E-03	
TW-03	TW-03-03222021	N	03/22/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	8.20E-05	2.5E-03		2.5E-03	
TW-03	410-33562-1_TW-03	N	03/22/21	SVOC	1-Methylnaphthalene	90-12-0	T	4.00E-05	J	1.00E-04	2.7E-02	1.5E-03	1.1E-02	3.6E-03
TW-03	TW-03-03222021	N	03/22/21	SVOC	1-Methylnaphthalene	90-12-0	T	4.00E-05	J	2.00E-05	2.7E-02	1.5E-03	1.1E-02	3.6E-03
TW-03	410-33562-1_TW-03	N	03/22/21	SVOC	2-Methylnaphthalene	91-57-6	T		U	1.40E-04	8.0E-02		3.6E-02	
TW-03	TW-03-03222021	N	03/22/21	SVOC	2-Methylnaphthalene	91-57-6	T		U	6.10E-05	8.0E-02		3.6E-02	
TW-03	410-33562-1_TW-03	N	03/22/21	SVOC	Naphthalene	91-20-3	T		U	1.60E-04	6.5E-03		1.2E-03	
TW-03	TW-03-03222021	N	03/22/21	SVOC	Naphthalene	91-20-3	T		U	6.10E-05	6.5E-03		1.2E-03	
TW-03	410-33562-1_TW-03	N	03/22/21	SVOC	Perylene	198-55-0	T		U	1.00E-04				
TW-03	TW-03-03222021	N	03/22/21	SVOC	Perylene	198-55-0	T		U*	4.10E-05				
TW-03	410-33562-1_TW-03	N	03/22/21	SVOC	Phenanthrene	85-01-8	T		U	1.60E-04	6.0E-01		1.2E-01	
TW-03	TW-03-03222021	N	03/22/21	SVOC	Phenanthrene	85-01-8	T		U	6.10E-05	6.0E-01		1.2E-01	
TW-03	410-33562-1_TW-03	N	03/22/21	SVOC	Pyrene	129-00-0	T	1.20E-04		1.00E-04	6.0E-01	2.0E-04	1.2E-01	1.0E-03
TW-03	TW-03-03222021	N	03/22/21	SVOC	Pyrene	129-00-0	T	1.20E-04		4.10E-05	6.0E-01	2.0E-04	1.2E-01	1.0E-03
TW-03	HRP-TW03-211101	N	11/01/21	SVOC	Naphthalene	91-20-3	T		U	6.40E-04	6.5E-03		1.2E-03	
TW-03	HRP-TW-03-220503	N	05/03/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
TW-03	HRP-TW03-221018	N	10/18/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
TW-04	PRG24_DUP20200217	FD	02/17/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-04	PRG24_TW-04	N	02/17/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-04	TW-04_02/17/20	N	02/17/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-04	PRG24_DUP20200217	FD	02/17/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-04	PRG24_TW-04	N	02/17/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-04	TW-04_02/17/20	N	02/17/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-04	PRG24_DUP20200217	FD	02/17/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-04	PRG24_TW-04	N	02/17/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-04	TW-04_02/17/20	N	02/17/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-04	PRG24_DUP20200217	FD	02/17/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-04	PRG24_TW-04	N	02/17/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-04	TW-04_02/17/20	N	02/17/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-04	PRG24_DUP20200217	FD	02/17/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-04	PRG24_TW-04	N	02/17/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-04	TW-04_02/17/20	N	02/17/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	2.00E-04	4.3E-01		1.4E-01	
TW-04	PRG24_DUP20200217	FD	02/17/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-04	PRG24_TW-04	N	02/17/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-04	TW-04_02/17/20	N	02/17/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-04	PRG24_DUP20200217	FD	02/17/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-04	PRG24_TW-04	N	02/17/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-04	TW-04_02/17/20	N	02/17/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-04	PRG24_DUP20200217	FD	02/17/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-04	PRG24_TW-04	N	02/17/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-04	TW-04_02/17/20	N	02/17/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	



**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-04	PRG24_DUP20200217	FD	02/17/20	SVOC	Acenaphthene	83-32-9	T	6.00E-04		2.00E-04	1.2E+00	5.0E-04	5.3E-01	1.1E-03
TW-04	PRG24_TW-04	N	02/17/20	SVOC	Acenaphthene	83-32-9	T	5.00E-04		2.00E-04	1.2E+00	4.2E-04	5.3E-01	9.4E-04
TW-04	TW-04_02/17/20	N	02/17/20	SVOC	Acenaphthene	83-32-9	T	5.00E-04		1.00E-04	1.2E+00	4.2E-04	5.3E-01	9.4E-04
TW-04	PRG24_DUP20200217	FD	02/17/20	SVOC	Acenaphthylene	208-96-8	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-04	PRG24_TW-04	N	02/17/20	SVOC	Acenaphthylene	208-96-8	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-04	TW-04_02/17/20	N	02/17/20	SVOC	Acenaphthylene	208-96-8	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-04	PRG24_DUP20200217	FD	02/17/20	SVOC	Anthracene	120-12-7	T	1.00E-04	J	2.00E-04	6.0E+00	1.7E-05	1.8E+00	5.6E-05
TW-04	PRG24_TW-04	N	02/17/20	SVOC	Anthracene	120-12-7	T	1.00E-04	J	2.00E-04	6.0E+00	1.7E-05	1.8E+00	5.6E-05
TW-04	TW-04_02/17/20	N	02/17/20	SVOC	Anthracene	120-12-7	T	1.00E-04	J	1.00E-04	6.0E+00	1.7E-05	1.8E+00	5.6E-05
TW-04	PRG24_DUP20200217	FD	02/17/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	2.00E-04	2.5E-03		3.0E-04	
TW-04	PRG24_TW-04	N	02/17/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	2.00E-04	2.5E-03		3.0E-04	
TW-04	TW-04_02/17/20	N	02/17/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	1.00E-04	2.5E-03		3.0E-04	
TW-04	PRG24_DUP20200217	FD	02/17/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	2.00E-04	2.0E-04		2.5E-04	
TW-04	PRG24_TW-04	N	02/17/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	2.00E-04	2.0E-04		2.5E-04	
TW-04	TW-04_02/17/20	N	02/17/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	1.00E-04	2.0E-04		2.5E-04	
TW-04	PRG24_DUP20200217	FD	02/17/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	4.00E-04	2.5E-03		2.5E-03	
TW-04	PRG24_TW-04	N	02/17/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	4.00E-04	2.5E-03		2.5E-03	
TW-04	TW-04_02/17/20	N	02/17/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	4.00E-04	2.5E-03		2.5E-03	
TW-04	PRG24_DUP20200217	FD	02/17/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	2.00E-04	1.8E-03		1.8E-03	
TW-04	PRG24_TW-04	N	02/17/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	2.00E-04	1.8E-03		1.8E-03	
TW-04	TW-04_02/17/20	N	02/17/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	1.00E-04	1.8E-03		1.8E-03	
TW-04	PRG24_DUP20200217	FD	02/17/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	3.00E-04	6.0E-01		1.2E-01	
TW-04	PRG24_TW-04	N	02/17/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	3.00E-04	6.0E-01		1.2E-01	
TW-04	TW-04_02/17/20	N	02/17/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	3.00E-04	6.0E-01		1.2E-01	
TW-04	PRG24_DUP20200217	FD	02/17/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	2.00E-04	2.5E-02		2.5E-02	
TW-04	PRG24_TW-04	N	02/17/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	2.00E-04	2.5E-02		2.5E-02	
TW-04	TW-04_02/17/20	N	02/17/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	1.00E-04	2.5E-02		2.5E-02	
TW-04	PRG24_DUP20200217	FD	02/17/20	SVOC	1,1-Biphenyl	92-52-4	T		U	2.00E-04	9.7E-02		8.3E-04	
TW-04	PRG24_TW-04	N	02/17/20	SVOC	1,1-Biphenyl	92-52-4	T		U	2.00E-04	9.7E-02		8.3E-04	
TW-04	TW-04_02/17/20	N	02/17/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-04	9.7E-02		8.3E-04	
TW-04	PRG24_DUP20200217	FD	02/17/20	SVOC	Chrysene	218-01-9	T		U	2.00E-04	2.5E-01		2.5E-01	
TW-04	PRG24_TW-04	N	02/17/20	SVOC	Chrysene	218-01-9	T		U	2.00E-04	2.5E-01		2.5E-01	
TW-04	TW-04_02/17/20	N	02/17/20	SVOC	Chrysene	218-01-9	T		U	1.00E-04	2.5E-01		2.5E-01	
TW-04	PRG24_DUP20200217	FD	02/17/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	2.00E-04	2.5E-04		2.5E-04	
TW-04	PRG24_TW-04	N	02/17/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	2.00E-04	2.5E-04		2.5E-04	
TW-04	TW-04_02/17/20	N	02/17/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	1.00E-04	2.5E-04		2.5E-04	
TW-04	PRG24_DUP20200217	FD	02/17/20	SVOC	Dibenzofuran	132-64-9	T	2.00E-04	J	2.00E-04	2.0E-02	1.0E-02	7.9E-03	2.5E-02
TW-04	PRG24_TW-04	N	02/17/20	SVOC	Dibenzofuran	132-64-9	T	2.00E-04	J	2.00E-04	2.0E-02	1.0E-02	7.9E-03	2.5E-02
TW-04	TW-04_02/17/20	N	02/17/20	SVOC	Dibenzofuran	132-64-9	T	2.00E-04	J	1.00E-04	2.0E-02	1.0E-02	7.9E-03	2.5E-02
TW-04	PRG24_DUP20200217	FD	02/17/20	SVOC	Fluoranthene	206-44-0	T	2.00E-04	J	2.00E-04	8.0E-01	2.5E-04	8.0E-01	2.5E-04
TW-04	PRG24_TW-04	N	02/17/20	SVOC	Fluoranthene	206-44-0	T	1.00E-04	J	2.00E-04	8.0E-01	1.3E-04	8.0E-01	1.3E-04
TW-04	TW-04_02/17/20	N	02/17/20	SVOC	Fluoranthene	206-44-0	T	1.00E-04	J	1.00E-04	8.0E-01	1.3E-04	8.0E-01	1.3E-04
TW-04	PRG24_DUP20200217	FD	02/17/20	SVOC	Fluorene	86-73-7	T	4.00E-04		2.00E-04	8.0E-01	5.0E-04	2.9E-01	1.4E-03
TW-04	PRG24_TW-04	N	02/17/20	SVOC	Fluorene	86-73-7	T	3.00E-04		2.00E-04	8.0E-01	3.8E-04	2.9E-01	1.0E-03

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-04	TW-04_02/17/20	N	02/17/20	SVOC	Fluorene	86-73-7	T	3.00E-04		1.00E-04	8.0E-01	3.8E-04	2.9E-01	1.0E-03
TW-04	PRG24_DUP20200217	FD	02/17/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	4.00E-04	2.5E-03		2.5E-03	
TW-04	PRG24_TW-04	N	02/17/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	4.00E-04	2.5E-03		2.5E-03	
TW-04	TW-04_02/17/20	N	02/17/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	4.00E-04	2.5E-03		2.5E-03	
TW-04	PRG24_DUP20200217	FD	02/17/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	2.00E-04	2.7E-02		1.1E-02	
TW-04	PRG24_TW-04	N	02/17/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	2.00E-04	2.7E-02		1.1E-02	
TW-04	TW-04_02/17/20	N	02/17/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	1.00E-04	2.7E-02		1.1E-02	
TW-04	PRG24_DUP20200217	FD	02/17/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	3.00E-04	8.0E-02		3.6E-02	
TW-04	PRG24_TW-04	N	02/17/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	3.00E-04	8.0E-02		3.6E-02	
TW-04	TW-04_02/17/20	N	02/17/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	3.00E-04	8.0E-02		3.6E-02	
TW-04	PRG24_DUP20200217	FD	02/17/20	SVOC	Naphthalene	91-20-3	T	3.00E-04	J	3.00E-04	6.5E-03	4.6E-02	1.2E-03	2.5E-01
TW-04	PRG24_TW-04	N	02/17/20	SVOC	Naphthalene	91-20-3	T	2.00E-04	J	4.00E-04	6.5E-03	3.1E-02	1.2E-03	1.7E-01
TW-04	TW-04_02/17/20	N	02/17/20	SVOC	Naphthalene	91-20-3	T	2.00E-04	J	4.00E-04	6.5E-03	3.1E-02	1.2E-03	1.7E-01
TW-04	PRG24_DUP20200217	FD	02/17/20	SVOC	Perylene	198-55-0	T		U	2.00E-04				
TW-04	PRG24_TW-04	N	02/17/20	SVOC	Perylene	198-55-0	T		U	2.00E-04				
TW-04	TW-04_02/17/20	N	02/17/20	SVOC	Perylene	198-55-0	T		U	1.00E-04				
TW-04	PRG24_DUP20200217	FD	02/17/20	SVOC	Phenanthrene	85-01-8	T	2.00E-04	J	3.00E-04	6.0E-01	3.3E-04	1.2E-01	1.7E-03
TW-04	PRG24_TW-04	N	02/17/20	SVOC	Phenanthrene	85-01-8	T	2.00E-04	J	4.00E-04	6.0E-01	3.3E-04	1.2E-01	1.7E-03
TW-04	TW-04_02/17/20	N	02/17/20	SVOC	Phenanthrene	85-01-8	T	2.00E-04	J	4.00E-04	6.0E-01	3.3E-04	1.2E-01	1.7E-03
TW-04	PRG24_DUP20200217	FD	02/17/20	SVOC	Pyrene	129-00-0	T	1.00E-04	J	2.00E-04	6.0E-01	1.7E-04	1.2E-01	8.3E-04
TW-04	PRG24_TW-04	N	02/17/20	SVOC	Pyrene	129-00-0	T	1.00E-04	J	2.00E-04	6.0E-01	1.7E-04	1.2E-01	8.3E-04
TW-04	TW-04_02/17/20	N	02/17/20	SVOC	Pyrene	129-00-0	T	1.00E-04	J	1.00E-04	6.0E-01	1.7E-04	1.2E-01	8.3E-04
TW-04	PRG25_TW04	N	05/11/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-04	TW-04_05/11/20	N	05/11/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-04	PRG25_TW04	N	05/11/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-04	TW-04_05/11/20	N	05/11/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-04	PRG25_TW04	N	05/11/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-04	TW-04_05/11/20	N	05/11/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-04	PRG25_TW04	N	05/11/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-04	TW-04_05/11/20	N	05/11/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-04	PRG25_TW04	N	05/11/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-04	TW-04_05/11/20	N	05/11/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-04	PRG25_TW04	N	05/11/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-04	TW-04_05/11/20	N	05/11/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-04	PRG25_TW04	N	05/11/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-04	TW-04_05/11/20	N	05/11/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-04	PRG25_TW04	N	05/11/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-04	TW-04_05/11/20	N	05/11/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Acenaphthene	83-32-9	T	9.00E-04		5.00E-04	1.2E+00	7.5E-04	5.3E-01	1.7E-03
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Acenaphthylene	208-96-8	T		U	5.00E-04	6.0E-01		1.2E-01	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Acetophenone	98-86-2	T		U	1.00E-02	2.0E+00		1.9E+00	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Anthracene	120-12-7	T		U	5.00E-04	6.0E+00		1.8E+00	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Atrazine	1912-24-9	T		U	5.00E-03	3.0E-03		3.0E-03	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Benzaldehyde	100-52-7	T		U	1.00E-02	1.9E-01		1.9E-01	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	5.00E-04	2.5E-03		3.0E-04	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	5.00E-04	2.0E-04		2.5E-04	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	5.00E-04	2.5E-03		2.5E-03	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	5.00E-04	6.0E-01		1.2E-01	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	5.00E-04	2.5E-02		2.5E-02	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-02	9.7E-02		8.3E-04	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	2.00E-03	6.0E-02		5.9E-02	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	2.00E-03	7.1E-04		1.4E-04	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.10E-02	6.0E-03		5.6E-02	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	2.00E-03				
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Butylbenzylphthalate	85-68-7	T		U	5.00E-03	4.1E-01		1.6E-01	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Caprolactam	105-60-2	T		U	1.10E-02	1.0E+01		9.9E+00	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Carbazole	86-74-8	T	8.00E-04	J	2.00E-03	8.0E-01	1.0E-03	2.9E-01	2.8E-03
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	4.00E-03	2.0E+00		1.4E+00	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	4-Chloroaniline	106-47-8	T		U	1.00E-02	3.9E-03		3.7E-03	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-03	1.6E+00		7.5E-01	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	2-Chlorophenol	95-57-8	T		U	2.00E-03	1.0E-01		9.1E-02	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	2.00E-03				
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Chrysene	218-01-9	T		U	5.00E-04	2.5E-01		2.5E-01	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	5.00E-04	2.5E-04		2.5E-04	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-03	2.0E-02		7.9E-03	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.00E-02	1.7E-03		1.3E-03	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	2,4-Dichlorophenol	120-83-2	T		U	2.00E-03	6.0E-02		4.6E-02	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Diethylphthalate	84-66-2	T		U	5.00E-03	1.6E+01		1.5E+01	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.00E-02	4.0E-01		3.6E-01	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Dimethylphthalate	131-11-3	T		U	5.00E-03	1.6E+01		1.5E+01	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Di-n-butylphthalate	84-74-2	T		U	5.00E-03	2.0E+00		9.0E-01	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	2.10E-02	1.6E-03		1.5E-03	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	2,4-Dinitrophenol	51-28-5	T		U	3.00E-02	4.0E-02		3.9E-02	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.10E-02	2.0E-01		2.0E-01	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Fluoranthene	206-44-0	T	2.00E-04	J	5.00E-04	8.0E-01	2.5E-04	8.0E-01	2.5E-04
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Fluorene	86-73-7	T	4.00E-04	J	5.00E-04	8.0E-01	5.0E-04	2.9E-01	1.4E-03
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Hexachlorobenzene	118-74-1	T		U	5.00E-04	1.0E-03		9.8E-05	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Hexachlorobutadiene	87-68-3	T		U	2.00E-03	1.0E-02		1.4E-03	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.10E-02	5.0E-02		4.1E-04	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Hexachloroethane	67-72-1	T		U	5.00E-03	1.4E-02		3.3E-03	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	5.00E-04	2.5E-03		2.5E-03	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Isophorone	78-59-1	T		U	2.00E-03	8.2E-01		7.8E-01	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	5.00E-04	8.0E-02		3.6E-02	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	2-Methylphenol	95-48-7	T		U	2.00E-03	1.0E+00		9.3E-01	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	4-Methylphenol	106-44-5	T		U	2.00E-03	4.0E-01		3.7E-01	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Naphthalene	91-20-3	T	3.00E-04	J	5.00E-04	6.5E-03	4.6E-02	1.2E-03	2.5E-01
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	2-Nitroaniline	88-74-4	T		U	7.00E-03	2.0E-01		1.9E-01	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	3-Nitroaniline	99-09-2	T		U	7.00E-03	3.9E-02		3.8E-02	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	4-Nitroaniline	100-01-6	T		U	3.00E-03	3.9E-02		3.8E-02	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	2-Nitrophenol	88-75-5	T		U	1.00E-02				
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	4-Nitrophenol	100-02-7	T		U	3.00E-02				
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	3.00E-03	1.6E-01		1.2E-01	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	3.00E-03	1.1E-04		1.1E-04	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	2.00E-03	8.0E-01		7.1E-01	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Pentachlorophenol	87-86-5	T		U	5.00E-03	1.0E-03		4.1E-04	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Phenanthrene	85-01-8	T	3.00E-04	J	5.00E-04	6.0E-01	5.0E-04	1.2E-01	2.5E-03
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Phenol	108-95-2	T		U	2.00E-03	6.0E+00		5.8E+00	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Pyrene	129-00-0	T		U	5.00E-04	6.0E-01		1.2E-01	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	2.00E-03	2.0E+00		1.2E+00	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	2.00E-03	2.0E-02		1.2E-02	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	5.00E-03	2.5E-03		2.4E-03	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	2.00E-03	5.2E-04		4.9E-04	
TW-04	TW-04_05/11/20	N	05/11/20	SVOC	Nitrobenzene	98-95-3	T		U	2.00E-03	4.0E-02		1.4E-03	
TW-04	TW-04_05/11/20	N	05/11/20	INORG	Antimony	7440-36-0	T		U	5.00E-02	6.0E-03		7.8E-03	
TW-04	TW-04_05/11/20	N	05/11/20	INORG	Arsenic	7440-38-2	T		U	3.00E-02	1.0E-02		5.2E-04	
TW-04	TW-04_05/11/20	N	05/11/20	INORG	Barium	7440-39-3	T	3.82E-02		5.00E-03	2.0E+00	1.9E-02	3.8E+00	1.0E-02
TW-04	TW-04_05/11/20	N	05/11/20	INORG	Beryllium	7440-41-7	T		U	5.00E-03	4.0E-03		2.5E-02	
TW-04	TW-04_05/11/20	N	05/11/20	INORG	Cadmium	7440-43-9	T	2.30E-03	J	5.00E-03	5.0E-03	4.6E-01	1.8E-03	1.3E+00
TW-04	TW-04_05/11/20	N	05/11/20	INORG	Chromium (total)	7440-47-3	T		U	1.50E-02	1.0E-01		2.2E+01	
TW-04	TW-04_05/11/20	N	05/11/20	INORG	Cobalt	7440-48-4	T	9.11E-02		5.00E-03	6.0E-03	1.5E+01	6.0E-03	1.5E+01
TW-04	TW-04_05/11/20	N	05/11/20	INORG	Copper	7440-50-8	T		U	2.00E-02	1.3E+00		8.0E-01	
TW-04	TW-04_05/11/20	N	05/11/20	INORG	Lead	7439-92-1	T	1.19E-02	J	1.50E-02	1.5E-02	7.9E-01	1.5E-02	7.9E-01
TW-04	TW-04_05/11/20	N	05/11/20	INORG	Mercury	7439-97-6	T		U	2.00E-04	2.0E-03		5.7E-04	
TW-04	TW-04_05/11/20	N	05/11/20	INORG	Molybdenum	7439-98-7	T		U	1.00E-02	1.0E-01		1.0E-01	
TW-04	TW-04_05/11/20	N	05/11/20	INORG	Nickel	7440-02-0	T	1.23E-01		1.00E-02	4.0E-01	3.1E-01	3.9E-01	3.2E-01
TW-04	TW-04_05/11/20	N	05/11/20	INORG	Selenium	7782-49-2	T		U	5.00E-02	5.0E-02		1.0E-01	
TW-04	TW-04_05/11/20	N	05/11/20	INORG	Silver	7440-22-4	T		U	1.00E-02	1.0E-01		9.4E-02	
TW-04	TW-04_05/11/20	N	05/11/20	INORG	Thallium	7440-28-0	T		U	3.00E-02	2.0E-03		2.0E-04	
TW-04	TW-04_05/11/20	N	05/11/20	INORG	Vanadium	7440-62-2	T	2.20E-03	J	1.00E-02	1.0E-01	2.2E-02	8.6E-02	2.6E-02
TW-04	TW-04_05/11/20	N	05/11/20	INORG	Zinc	7440-66-6	T	1.90E-01		2.00E-02	6.0E+00	3.2E-02	6.0E+00	3.2E-02
TW-04	TW-04_08/10/20	N	08/10/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-04	TW-04_08/10/20	N	08/10/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-04	TW-04_08/10/20	N	08/10/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-04	TW-04_08/10/20	N	08/10/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-04	TW-04_08/10/20	N	08/10/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-04	TW-04_08/10/20	N	08/10/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-04	TW-04_08/10/20	N	08/10/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-04	TW-04_08/10/20	N	08/10/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-04	TW-04_08/11/20	N	08/11/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-04	TW-04_08/11/20	N	08/11/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-04	TW-04_08/11/20	N	08/11/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-04	TW-04_08/11/20	N	08/11/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-04	TW-04_08/11/20	N	08/11/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-04	TW-04_08/11/20	N	08/11/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-04	TW-04_08/11/20	N	08/11/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-04	TW-04_08/11/20	N	08/11/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-04	TW-04_08/11/20	N	08/11/20	SVOC	Acenaphthene	83-32-9	T	8.40E-04		2.10E-04	1.2E+00	7.0E-04	5.3E-01	1.6E-03
TW-04	TW-04_08/11/20	N	08/11/20	SVOC	Acenaphthylene	208-96-8	T		U	2.10E-04	6.0E-01		1.2E-01	
TW-04	TW-04_08/11/20	N	08/11/20	SVOC	Anthracene	120-12-7	T	1.10E-04	J	2.10E-04	6.0E+00	1.8E-05	1.8E+00	6.1E-05
TW-04	TW-04_08/11/20	N	08/11/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	2.10E-04	2.5E-03		3.0E-04	
TW-04	TW-04_08/11/20	N	08/11/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	2.10E-04	2.0E-04		2.5E-04	
TW-04	TW-04_08/11/20	N	08/11/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	3.70E-04	2.5E-03		2.5E-03	
TW-04	TW-04_08/11/20	N	08/11/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	2.10E-04	1.8E-03		1.8E-03	
TW-04	TW-04_08/11/20	N	08/11/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	2.90E-04	6.0E-01		1.2E-01	
TW-04	TW-04_08/11/20	N	08/11/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	2.10E-04	2.5E-02		2.5E-02	
TW-04	TW-04_08/11/20	N	08/11/20	SVOC	1,1-Biphenyl	92-52-4	T		U	2.10E-04	9.7E-02		8.3E-04	
TW-04	TW-04_08/11/20	N	08/11/20	SVOC	Chrysene	218-01-9	T		U	2.10E-04	2.5E-01		2.5E-01	
TW-04	TW-04_08/11/20	N	08/11/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	2.10E-04	2.5E-04		2.5E-04	
TW-04	TW-04_08/11/20	N	08/11/20	SVOC	Dibenzofuran	132-64-9	T	1.20E-04	J	2.10E-04	2.0E-02	6.0E-03	7.9E-03	1.5E-02
TW-04	TW-04_08/11/20	N	08/11/20	SVOC	Fluoranthene	206-44-0	T	1.10E-04	J	2.10E-04	8.0E-01	1.4E-04	8.0E-01	1.4E-04
TW-04	TW-04_08/11/20	N	08/11/20	SVOC	Fluorene	86-73-7	T	2.40E-04		2.10E-04	8.0E-01	3.0E-04	2.9E-01	8.3E-04
TW-04	TW-04_08/11/20	N	08/11/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	3.70E-04	2.5E-03		2.5E-03	
TW-04	TW-04_08/11/20	N	08/11/20	SVOC	1-Methylnaphthalene	90-12-0	T	3.40E-04		2.10E-04	2.7E-02	1.3E-02	1.1E-02	3.1E-02
TW-04	TW-04_08/11/20	N	08/11/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	2.90E-04	8.0E-02		3.6E-02	
TW-04	TW-04_08/11/20	N	08/11/20	SVOC	Naphthalene	91-20-3	T	2.80E-04	J	3.30E-04	6.5E-03	4.3E-02	1.2E-03	2.3E-01
TW-04	TW-04_08/11/20	N	08/11/20	SVOC	Perylene	198-55-0	T		U	2.10E-04				
TW-04	TW-04_08/11/20	N	08/11/20	SVOC	Phenanthrene	85-01-8	T		U	3.30E-04	6.0E-01		1.2E-01	
TW-04	TW-04_08/11/20	N	08/11/20	SVOC	Pyrene	129-00-0	T	2.40E-04		2.10E-04	6.0E-01	4.0E-04	1.2E-01	2.0E-03
TW-04	410-12267-2383.1_TW04	N	12/09/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-04	TW04-12092020	N	12/09/20	VOC	Benzene	71-43-2	T		U	2.00E-04	5.0E-03		4.6E-03	
TW-04	410-12267-2383.1_TW04	N	12/09/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-04	TW04-12092020	N	12/09/20	VOC	1,2-Dibromoethane	106-93-4	T		U	3.00E-04	5.0E-05		7.5E-05	
TW-04	410-12267-2383.1_TW04	N	12/09/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-04	TW04-12092020	N	12/09/20	VOC	1,2-Dichloroethane	107-06-2	T		U	2.00E-03	5.0E-03		1.7E-03	
TW-04	410-12267-2383.1_TW04	N	12/09/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-04	TW04-12092020	N	12/09/20	VOC	Ethyl Benzene	100-41-4	T		U	2.00E-04	7.0E-01		1.5E-02	
TW-04	410-12267-2383.1_TW04	N	12/09/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-04	TW04-12092020	N	12/09/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	2.00E-04	4.3E-01		1.4E-01	
TW-04	410-12267-2383.1_TW04	N	12/09/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-04	TW04-12092020	N	12/09/20	VOC	tert-Butyl alcohol	75-65-0	T		U	1.00E-02	1.6E+00		1.5E+00	
TW-04	410-12267-2383.1_TW04	N	12/09/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-04	TW04-12092020	N	12/09/20	VOC	Toluene	108-88-3	T		U	2.00E-04	1.0E+00		1.1E+00	
TW-04	410-12267-2383.1_TW04	N	12/09/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-04	TW04-12092020	N	12/09/20	VOC	Xylenes (total)	1330-20-7	T		U	8.00E-04	1.0E+01		1.9E-01	
TW-04	410-12267-2383.1_TW04	N	12/09/20	SVOC	Acenaphthene	83-32-9	T	5.10E-03		1.00E-04	1.2E+00	4.3E-03	5.3E-01	9.6E-03
TW-04	TW04-12092020	N	12/09/20	SVOC	Acenaphthene	83-32-9	T	5.10E-03		2.10E-05	1.2E+00	4.3E-03	5.3E-01	9.6E-03

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-04	410-12267-2383.1_TW04	N	12/09/20	SVOC	Acenaphthylene	208-96-8	T	9.70E-05	J	1.00E-04	6.0E-01	1.6E-04	1.2E-01	8.1E-04
TW-04	TW04-12092020	N	12/09/20	SVOC	Acenaphthylene	208-96-8	T	9.70E-05	J	2.10E-05	6.0E-01	1.6E-04	1.2E-01	8.1E-04
TW-04	410-12267-2383.1_TW04	N	12/09/20	SVOC	Anthracene	120-12-7	T	4.00E-04		1.00E-04	6.0E+00	6.7E-05	1.8E+00	2.2E-04
TW-04	TW04-12092020	N	12/09/20	SVOC	Anthracene	120-12-7	T	4.00E-04		2.10E-05	6.0E+00	6.7E-05	1.8E+00	2.2E-04
TW-04	410-12267-2383.1_TW04	N	12/09/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	1.00E-04	2.5E-03		3.0E-04	
TW-04	TW04-12092020	N	12/09/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	2.10E-05	2.5E-03		3.0E-04	
TW-04	410-12267-2383.1_TW04	N	12/09/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	1.00E-04	2.0E-04		2.5E-04	
TW-04	TW04-12092020	N	12/09/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	2.10E-05	2.0E-04		2.5E-04	
TW-04	410-12267-2383.1_TW04	N	12/09/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	1.90E-04	2.5E-03		2.5E-03	
TW-04	TW04-12092020	N	12/09/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	8.40E-05	2.5E-03		2.5E-03	
TW-04	410-12267-2383.1_TW04	N	12/09/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	1.00E-04	1.8E-03		1.8E-03	
TW-04	TW04-12092020	N	12/09/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	2.10E-05	1.8E-03		1.8E-03	
TW-04	410-12267-2383.1_TW04	N	12/09/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	1.50E-04	6.0E-01		1.2E-01	
TW-04	TW04-12092020	N	12/09/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	6.30E-05	6.0E-01		1.2E-01	
TW-04	410-12267-2383.1_TW04	N	12/09/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	1.00E-04	2.5E-02		2.5E-02	
TW-04	TW04-12092020	N	12/09/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	2.10E-05	2.5E-02		2.5E-02	
TW-04	410-12267-2383.1_TW04	N	12/09/20	SVOC	1,1-Biphenyl	92-52-4	T	2.60E-04		1.00E-04	9.7E-02	2.7E-03	8.3E-04	3.1E-01
TW-04	TW04-12092020	N	12/09/20	SVOC	1,1-Biphenyl	92-52-4	T	2.60E-04		4.20E-05	9.7E-02	2.7E-03	8.3E-04	3.1E-01
TW-04	410-12267-2383.1_TW04	N	12/09/20	SVOC	Chrysene	218-01-9	T		U	1.00E-04	2.5E-01		2.5E-01	
TW-04	TW04-12092020	N	12/09/20	SVOC	Chrysene	218-01-9	T		U	2.10E-05	2.5E-01		2.5E-01	
TW-04	410-12267-2383.1_TW04	N	12/09/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	1.00E-04	2.5E-04		2.5E-04	
TW-04	TW04-12092020	N	12/09/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	2.10E-05	2.5E-04		2.5E-04	
TW-04	410-12267-2383.1_TW04	N	12/09/20	SVOC	Dibenzofuran	132-64-9	T	1.00E-03		1.00E-04	2.0E-02	5.0E-02	7.9E-03	1.3E-01
TW-04	TW04-12092020	N	12/09/20	SVOC	Dibenzofuran	132-64-9	T	1.00E-03		2.10E-05	2.0E-02	5.0E-02	7.9E-03	1.3E-01
TW-04	410-12267-2383.1_TW04	N	12/09/20	SVOC	Fluoranthene	206-44-0	T	2.10E-04		1.00E-04	8.0E-01	2.6E-04	8.0E-01	2.6E-04
TW-04	TW04-12092020	N	12/09/20	SVOC	Fluoranthene	206-44-0	T	2.10E-04		2.10E-05	8.0E-01	2.6E-04	8.0E-01	2.6E-04
TW-04	410-12267-2383.1_TW04	N	12/09/20	SVOC	Fluorene	86-73-7	T	2.30E-03		1.00E-04	8.0E-01	2.9E-03	2.9E-01	7.9E-03
TW-04	TW04-12092020	N	12/09/20	SVOC	Fluorene	86-73-7	T	2.30E-03		2.10E-05	8.0E-01	2.9E-03	2.9E-01	7.9E-03
TW-04	410-12267-2383.1_TW04	N	12/09/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	1.90E-04	2.5E-03		2.5E-03	
TW-04	TW04-12092020	N	12/09/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	8.40E-05	2.5E-03		2.5E-03	
TW-04	410-12267-2383.1_TW04	N	12/09/20	SVOC	1-Methylnaphthalene	90-12-0	T	1.40E-03		1.00E-04	2.7E-02	5.2E-02	1.1E-02	1.3E-01
TW-04	TW04-12092020	N	12/09/20	SVOC	1-Methylnaphthalene	90-12-0	T	1.40E-03		2.10E-05	2.7E-02	5.2E-02	1.1E-02	1.3E-01
TW-04	410-12267-2383.1_TW04	N	12/09/20	SVOC	2-Methylnaphthalene	91-57-6	T	1.40E-04	J	1.50E-04	8.0E-02	1.8E-03	3.6E-02	3.9E-03
TW-04	TW04-12092020	N	12/09/20	SVOC	2-Methylnaphthalene	91-57-6	T	1.40E-04	J	6.30E-05	8.0E-02	1.8E-03	3.6E-02	3.9E-03
TW-04	410-12267-2383.1_TW04	N	12/09/20	SVOC	Naphthalene	91-20-3	T	2.40E-03		1.70E-04	6.5E-03	3.7E-01	1.2E-03	2.0E+00
TW-04	TW04-12092020	N	12/09/20	SVOC	Naphthalene	91-20-3	T	2.40E-03		6.30E-05	6.5E-03	3.7E-01	1.2E-03	2.0E+00
TW-04	410-12267-2383.1_TW04	N	12/09/20	SVOC	Perylene	198-55-0	T		U	1.00E-04				
TW-04	TW04-12092020	N	12/09/20	SVOC	Perylene	198-55-0	T		U	4.20E-05				
TW-04	410-12267-2383.1_TW04	N	12/09/20	SVOC	Phenanthrene	85-01-8	T	6.80E-04		1.70E-04	6.0E-01	1.1E-03	1.2E-01	5.7E-03
TW-04	TW04-12092020	N	12/09/20	SVOC	Phenanthrene	85-01-8	T	6.80E-04		6.30E-05	6.0E-01	1.1E-03	1.2E-01	5.7E-03
TW-04	410-12267-2383.1_TW04	N	12/09/20	SVOC	Pyrene	129-00-0	T	1.80E-04		1.00E-04	6.0E-01	3.0E-04	1.2E-01	1.5E-03
TW-04	TW04-12092020	N	12/09/20	SVOC	Pyrene	129-00-0	T	1.80E-04		4.20E-05	6.0E-01	3.0E-04	1.2E-01	1.5E-03
TW-04	410-33562-1_TW04	N	03/23/21	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-04	TW-04-03232021	N	03/23/21	VOC	Benzene	71-43-2	T		U	2.00E-04	5.0E-03		4.6E-03	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-04	410-33562-1_TW-04	N	03/23/21	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-04	TW-04-03232021	N	03/23/21	VOC	1,2-Dibromoethane	106-93-4	T		U	3.00E-04	5.0E-05		7.5E-05	
TW-04	410-33562-1_TW-04	N	03/23/21	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-04	TW-04-03232021	N	03/23/21	VOC	1,2-Dichloroethane	107-06-2	T		U	2.00E-03	5.0E-03		1.7E-03	
TW-04	410-33562-1_TW-04	N	03/23/21	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-04	TW-04-03232021	N	03/23/21	VOC	Ethyl Benzene	100-41-4	T		U	2.00E-04	7.0E-01		1.5E-02	
TW-04	410-33562-1_TW-04	N	03/23/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-04	TW-04-03232021	N	03/23/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	2.00E-04	4.3E-01		1.4E-01	
TW-04	410-33562-1_TW-04	N	03/23/21	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-04	TW-04-03232021	N	03/23/21	VOC	tert-Butyl alcohol	75-65-0	T		U	1.00E-02	1.6E+00		1.5E+00	
TW-04	410-33562-1_TW-04	N	03/23/21	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-04	TW-04-03232021	N	03/23/21	VOC	Toluene	108-88-3	T		U	2.00E-04	1.0E+00		1.1E+00	
TW-04	410-33562-1_TW-04	N	03/23/21	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-04	TW-04-03232021	N	03/23/21	VOC	Xylenes (total)	1330-20-7	T		U	8.00E-04	1.0E+01		1.9E-01	
TW-04	410-33562-1_TW-04	N	03/23/21	SVOC	Acenaphthene	83-32-9	T	1.90E-03		1.10E-04	1.2E+00	1.6E-03	5.3E-01	3.6E-03
TW-04	TW-04-03232021	N	03/23/21	SVOC	Acenaphthene	83-32-9	T	1.90E-03		2.10E-05	1.2E+00	1.6E-03	5.3E-01	3.6E-03
TW-04	410-33562-1_TW-04	N	03/23/21	SVOC	Acenaphthylene	208-96-8	T	6.10E-05	J	1.10E-04	6.0E-01	1.0E-04	1.2E-01	5.1E-04
TW-04	TW-04-03232021	N	03/23/21	SVOC	Acenaphthylene	208-96-8	T	6.10E-05	J	2.10E-05	6.0E-01	1.0E-04	1.2E-01	5.1E-04
TW-04	410-33562-1_TW-04	N	03/23/21	SVOC	Anthracene	120-12-7	T	1.40E-04		1.10E-04	6.0E+00	2.3E-05	1.8E+00	7.8E-05
TW-04	TW-04-03232021	N	03/23/21	SVOC	Anthracene	120-12-7	T	1.40E-04		2.10E-05	6.0E+00	2.3E-05	1.8E+00	7.8E-05
TW-04	410-33562-1_TW-04	N	03/23/21	SVOC	Benzo(a)anthracene	56-55-3	T		U	1.10E-04	2.5E-03		3.0E-04	
TW-04	TW-04-03232021	N	03/23/21	SVOC	Benzo(a)anthracene	56-55-3	T		U	2.10E-05	2.5E-03		3.0E-04	
TW-04	410-33562-1_TW-04	N	03/23/21	SVOC	Benzo(a)pyrene	50-32-8	T	2.60E-05	J	1.10E-04	2.0E-04	1.3E-01	2.5E-04	1.0E-01
TW-04	TW-04-03232021	N	03/23/21	SVOC	Benzo(a)pyrene	50-32-8	T	2.60E-05	J	2.10E-05	2.0E-04	1.3E-01	2.5E-04	1.0E-01
TW-04	410-33562-1_TW-04	N	03/23/21	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	1.90E-04	2.5E-03		2.5E-03	
TW-04	TW-04-03232021	N	03/23/21	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	8.50E-05	2.5E-03		2.5E-03	
TW-04	410-33562-1_TW-04	N	03/23/21	SVOC	Benzo(e)pyrene	192-97-2	T		U	1.10E-04	1.8E-03		1.8E-03	
TW-04	TW-04-03232021	N	03/23/21	SVOC	Benzo(e)pyrene	192-97-2	T		U	2.10E-05	1.8E-03		1.8E-03	
TW-04	410-33562-1_TW-04	N	03/23/21	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	1.50E-04	6.0E-01		1.2E-01	
TW-04	TW-04-03232021	N	03/23/21	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	6.40E-05	6.0E-01		1.2E-01	
TW-04	410-33562-1_TW-04	N	03/23/21	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	1.10E-04	2.5E-02		2.5E-02	
TW-04	TW-04-03232021	N	03/23/21	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	2.10E-05	2.5E-02		2.5E-02	
TW-04	410-33562-1_TW-04	N	03/23/21	SVOC	1,1-Biphenyl	92-52-4	T	1.20E-04	*	1.10E-04	9.7E-02	1.2E-03	8.3E-04	1.4E-01
TW-04	TW-04-03232021	N	03/23/21	SVOC	1,1-Biphenyl	92-52-4	T	1.20E-04	*	4.20E-05	9.7E-02	1.2E-03	8.3E-04	1.4E-01
TW-04	410-33562-1_TW-04	N	03/23/21	SVOC	Chrysene	218-01-9	T		U	1.10E-04	2.5E-01		2.5E-01	
TW-04	TW-04-03232021	N	03/23/21	SVOC	Chrysene	218-01-9	T		U	2.10E-05	2.5E-01		2.5E-01	
TW-04	410-33562-1_TW-04	N	03/23/21	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	1.10E-04	2.5E-04		2.5E-04	
TW-04	TW-04-03232021	N	03/23/21	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	2.10E-05	2.5E-04		2.5E-04	
TW-04	410-33562-1_TW-04	N	03/23/21	SVOC	Dibenzofuran	132-64-9	T	4.50E-04		1.10E-04	2.0E-02	2.3E-02	7.9E-03	5.7E-02
TW-04	TW-04-03232021	N	03/23/21	SVOC	Dibenzofuran	132-64-9	T	4.50E-04		2.10E-05	2.0E-02	2.3E-02	7.9E-03	5.7E-02
TW-04	410-33562-1_TW-04	N	03/23/21	SVOC	Fluoranthene	206-44-0	T	1.10E-04	*+	1.10E-04	8.0E-01	1.4E-04	8.0E-01	1.4E-04
TW-04	TW-04-03232021	N	03/23/21	SVOC	Fluoranthene	206-44-0	T	1.10E-04	*+	2.10E-05	8.0E-01	1.4E-04	8.0E-01	1.4E-04
TW-04	410-33562-1_TW-04	N	03/23/21	SVOC	Fluorene	86-73-7	T	8.00E-04		1.10E-04	8.0E-01	1.0E-03	2.9E-01	2.8E-03
TW-04	TW-04-03232021	N	03/23/21	SVOC	Fluorene	86-73-7	T	8.00E-04		2.10E-05	8.0E-01	1.0E-03	2.9E-01	2.8E-03



**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-04	410-33562-1_TW-04	N	03/23/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	1.90E-04	2.5E-03		2.5E-03	
TW-04	TW-04-03232021	N	03/23/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	8.50E-05	2.5E-03		2.5E-03	
TW-04	410-33562-1_TW-04	N	03/23/21	SVOC	1-Methylnaphthalene	90-12-0	T	3.40E-04		1.10E-04	2.7E-02	1.3E-02	1.1E-02	3.1E-02
TW-04	TW-04-03232021	N	03/23/21	SVOC	1-Methylnaphthalene	90-12-0	T	3.40E-04		2.10E-05	2.7E-02	1.3E-02	1.1E-02	3.1E-02
TW-04	410-33562-1_TW-04	N	03/23/21	SVOC	2-Methylnaphthalene	91-57-6	T		U	1.50E-04	8.0E-02		3.6E-02	
TW-04	TW-04-03232021	N	03/23/21	SVOC	2-Methylnaphthalene	91-57-6	T		U	6.40E-05	8.0E-02		3.6E-02	
TW-04	410-33562-1_TW-04	N	03/23/21	SVOC	Naphthalene	91-20-3	T	4.20E-04		1.70E-04	6.5E-03	6.5E-02	1.2E-03	3.5E-01
TW-04	TW-04-03232021	N	03/23/21	SVOC	Naphthalene	91-20-3	T	4.20E-04		6.40E-05	6.5E-03	6.5E-02	1.2E-03	3.5E-01
TW-04	410-33562-1_TW-04	N	03/23/21	SVOC	Perylene	198-55-0	T		U	1.10E-04				
TW-04	TW-04-03232021	N	03/23/21	SVOC	Perylene	198-55-0	T		U*	4.20E-05				
TW-04	410-33562-1_TW-04	N	03/23/21	SVOC	Phenanthrene	85-01-8	T	1.40E-04	J	1.70E-04	6.0E-01	2.3E-04	1.2E-01	1.2E-03
TW-04	TW-04-03232021	N	03/23/21	SVOC	Phenanthrene	85-01-8	T	1.40E-04	J	6.40E-05	6.0E-01	2.3E-04	1.2E-01	1.2E-03
TW-04	410-33562-1_TW-04	N	03/23/21	SVOC	Pyrene	129-00-0	T	1.60E-04		1.10E-04	6.0E-01	2.7E-04	1.2E-01	1.3E-03
TW-04	TW-04-03232021	N	03/23/21	SVOC	Pyrene	129-00-0	T	1.60E-04		4.20E-05	6.0E-01	2.7E-04	1.2E-01	1.3E-03
TW-04	TW04-210520	N	05/20/21	VOC	Benzene	71-43-2	T		U	2.00E-04	5.0E-03		4.6E-03	
TW-04	TW04-210520	N	05/20/21	VOC	1,2-Dibromoethane	106-93-4	T		U	3.00E-04	5.0E-05		7.5E-05	
TW-04	TW04-210520	N	05/20/21	VOC	1,2-Dichloroethane	107-06-2	T		U	2.00E-03	5.0E-03		1.7E-03	
TW-04	TW04-210520	N	05/20/21	VOC	Ethyl Benzene	100-41-4	T		U	2.00E-04	7.0E-01		1.5E-02	
TW-04	TW04-210520	N	05/20/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	2.00E-04	4.3E-01		1.4E-01	
TW-04	TW04-210520	N	05/20/21	VOC	tert-Butyl alcohol	75-65-0	T		U	1.00E-02	1.6E+00		1.5E+00	
TW-04	TW04-210520	N	05/20/21	VOC	Toluene	108-88-3	T		U	2.00E-04	1.0E+00		1.1E+00	
TW-04	TW04-210520	N	05/20/21	VOC	Xylenes (total)	1330-20-7	T		U	8.00E-04	1.0E+01		1.9E-01	
TW-04	TW04-210520	N	05/20/21	SVOC	Acenaphthene	83-32-9	T	1.30E-03		2.20E-05	1.2E+00	1.1E-03	5.3E-01	2.5E-03
TW-04	TW04-210520	N	05/20/21	SVOC	Acenaphthylene	208-96-8	T	4.80E-05	J	2.20E-05	6.0E-01	8.0E-05	1.2E-01	4.0E-04
TW-04	TW04-210520	N	05/20/21	SVOC	Anthracene	120-12-7	T	6.20E-05	J	2.20E-05	6.0E+00	1.0E-05	1.8E+00	3.4E-05
TW-04	TW04-210520	N	05/20/21	SVOC	Benzo(a)anthracene	56-55-3	T		U	2.20E-05	2.5E-03		3.0E-04	
TW-04	TW04-210520	N	05/20/21	SVOC	Benzo(a)pyrene	50-32-8	T		U	2.20E-05	2.0E-04		2.5E-04	
TW-04	TW04-210520	N	05/20/21	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	8.80E-05	2.5E-03		2.5E-03	
TW-04	TW04-210520	N	05/20/21	SVOC	Benzo(e)pyrene	192-97-2	T		U	2.20E-05	1.8E-03		1.8E-03	
TW-04	TW04-210520	N	05/20/21	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	6.60E-05	6.0E-01		1.2E-01	
TW-04	TW04-210520	N	05/20/21	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	2.20E-05	2.5E-02		2.5E-02	
TW-04	TW04-210520	N	05/20/21	SVOC	1,1-Biphenyl	92-52-4	T		U	4.40E-05	9.7E-02		8.3E-04	
TW-04	TW04-210520	N	05/20/21	SVOC	Chrysene	218-01-9	T		U	2.20E-05	2.5E-01		2.5E-01	
TW-04	TW04-210520	N	05/20/21	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	2.20E-05	2.5E-04		2.5E-04	
TW-04	TW04-210520	N	05/20/21	SVOC	Dibenzofuran	132-64-9	T	3.90E-04		2.20E-05	2.0E-02	2.0E-02	7.9E-03	4.9E-02
TW-04	TW04-210520	N	05/20/21	SVOC	Dibenzothiophene	132-65-0	T		U	4.40E-05				
TW-04	TW04-210520	N	05/20/21	SVOC	Fluoranthene	206-44-0	T	8.30E-05	J	2.20E-05	8.0E-01	1.0E-04	8.0E-01	1.0E-04
TW-04	TW04-210520	N	05/20/21	SVOC	Fluorene	86-73-7	T	6.40E-04		2.20E-05	8.0E-01	8.0E-04	2.9E-01	2.2E-03
TW-04	TW04-210520	N	05/20/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	8.80E-05	2.5E-03		2.5E-03	
TW-04	TW04-210520	N	05/20/21	SVOC	1-Methylnaphthalene	90-12-0	T	6.70E-04		2.20E-05	2.7E-02	2.5E-02	1.1E-02	6.1E-02
TW-04	TW04-210520	N	05/20/21	SVOC	2-Methylnaphthalene	91-57-6	T	8.40E-05	J	6.60E-05	8.0E-02	1.1E-03	3.6E-02	2.3E-03
TW-04	TW04-210520	N	05/20/21	SVOC	Naphthalene	91-20-3	T	3.10E-04		6.60E-05	6.5E-03	4.8E-02	1.2E-03	2.6E-01
TW-04	TW04-210520	N	05/20/21	SVOC	Perylene	198-55-0	T		U	4.40E-05				
TW-04	TW04-210520	N	05/20/21	SVOC	Phenanthrene	85-01-8	T	2.30E-04		6.60E-05	6.0E-01	3.8E-04	1.2E-01	1.9E-03

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-04	TW04-210520	N	05/20/21	SVOC	Pyrene	129-00-0	T	1.70E-04		4.40E-05	6.0E-01	2.8E-04	1.2E-01	1.4E-03
TW-04	HRP-TW04-211102	N	11/02/21	SVOC	Naphthalene	91-20-3	T		U	6.40E-04	6.5E-03		1.2E-03	
TW-04	HRP-TW-04-220503	N	05/03/22	SVOC	Naphthalene	91-20-3	T	1.70E-03	J	1.00E-03	6.5E-03	2.6E-01	1.2E-03	<b>1.4E+00</b>
TW-04	HRP-TW04-221018	N	10/18/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
TW-05	PRG24_TW-05	N	02/18/20	VOC	Benzene	71-43-2	T	2.00E-04	J	1.00E-03	5.0E-03	4.0E-02	4.6E-03	4.3E-02
TW-05	TW-05_02/18/20	N	02/18/20	VOC	Benzene	71-43-2	T	2.00E-04	J	1.00E-03	5.0E-03	4.0E-02	4.6E-03	4.3E-02
TW-05	PRG24_TW-05	N	02/18/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-05	TW-05_02/18/20	N	02/18/20	VOC	1,2-Dibromoethane	106-93-4	T		U	3.00E-04	5.0E-05		7.5E-05	
TW-05	PRG24_TW-05	N	02/18/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-05	TW-05_02/18/20	N	02/18/20	VOC	1,2-Dichloroethane	107-06-2	T		U	2.00E-03	5.0E-03		1.7E-03	
TW-05	PRG24_TW-05	N	02/18/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-05	TW-05_02/18/20	N	02/18/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-05	PRG24_TW-05	N	02/18/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-05	TW-05_02/18/20	N	02/18/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-05	PRG24_TW-05	N	02/18/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-05	TW-05_02/18/20	N	02/18/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-05	PRG24_TW-05	N	02/18/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-05	TW-05_02/18/20	N	02/18/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-05	PRG24_TW-05	N	02/18/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-05	TW-05_02/18/20	N	02/18/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-05	PRG24_TW-05	N	02/18/20	SVOC	Acenaphthene	83-32-9	T	7.00E-04		2.00E-04	1.2E+00	5.8E-04	5.3E-01	1.3E-03
TW-05	TW-05_02/18/20	N	02/18/20	SVOC	Acenaphthene	83-32-9	T	7.00E-04		2.00E-04	1.2E+00	5.8E-04	5.3E-01	1.3E-03
TW-05	PRG24_TW-05	N	02/18/20	SVOC	Acenaphthylene	208-96-8	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-05	TW-05_02/18/20	N	02/18/20	SVOC	Acenaphthylene	208-96-8	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-05	PRG24_TW-05	N	02/18/20	SVOC	Anthracene	120-12-7	T		U	2.00E-04	6.0E+00		1.8E+00	
TW-05	TW-05_02/18/20	N	02/18/20	SVOC	Anthracene	120-12-7	T		U	2.00E-04	6.0E+00		1.8E+00	
TW-05	PRG24_TW-05	N	02/18/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	2.00E-04	2.5E-03		3.0E-04	
TW-05	TW-05_02/18/20	N	02/18/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	2.00E-04	2.5E-03		3.0E-04	
TW-05	PRG24_TW-05	N	02/18/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	2.00E-04	2.0E-04		2.5E-04	
TW-05	TW-05_02/18/20	N	02/18/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	2.00E-04	2.0E-04		2.5E-04	
TW-05	PRG24_TW-05	N	02/18/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	4.00E-04	2.5E-03		2.5E-03	
TW-05	TW-05_02/18/20	N	02/18/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	4.00E-04	2.5E-03		2.5E-03	
TW-05	PRG24_TW-05	N	02/18/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	2.00E-04	1.8E-03		1.8E-03	
TW-05	TW-05_02/18/20	N	02/18/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	2.00E-04	1.8E-03		1.8E-03	
TW-05	PRG24_TW-05	N	02/18/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	3.00E-04	6.0E-01		1.2E-01	
TW-05	TW-05_02/18/20	N	02/18/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	3.00E-04	6.0E-01		1.2E-01	
TW-05	PRG24_TW-05	N	02/18/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	2.00E-04	2.5E-02		2.5E-02	
TW-05	TW-05_02/18/20	N	02/18/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	2.00E-04	2.5E-02		2.5E-02	
TW-05	PRG24_TW-05	N	02/18/20	SVOC	1,1-Biphenyl	92-52-4	T	2.00E-04		2.00E-04	9.7E-02	2.1E-03	8.3E-04	2.4E-01
TW-05	TW-05_02/18/20	N	02/18/20	SVOC	1,1-Biphenyl	92-52-4	T	2.00E-04		2.00E-04	9.7E-02	2.1E-03	8.3E-04	2.4E-01
TW-05	PRG24_TW-05	N	02/18/20	SVOC	Chrysene	218-01-9	T		U	2.00E-04	2.5E-01		2.5E-01	
TW-05	TW-05_02/18/20	N	02/18/20	SVOC	Chrysene	218-01-9	T		U	2.00E-04	2.5E-01		2.5E-01	
TW-05	PRG24_TW-05	N	02/18/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	2.00E-04	2.5E-04		2.5E-04	
TW-05	TW-05_02/18/20	N	02/18/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	2.00E-04	2.5E-04		2.5E-04	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-05	PRG24_TW-05	N	02/18/20	SVOC	Dibenzofuran	132-64-9	T	1.00E-04	J	2.00E-04	2.0E-02	5.0E-03	7.9E-03	1.3E-02
TW-05	TW-05_02/18/20	N	02/18/20	SVOC	Dibenzofuran	132-64-9	T	1.00E-04	J	2.00E-04	2.0E-02	5.0E-03	7.9E-03	1.3E-02
TW-05	PRG24_TW-05	N	02/18/20	SVOC	Fluoranthene	206-44-0	T		U	2.00E-04	8.0E-01		8.0E-01	
TW-05	TW-05_02/18/20	N	02/18/20	SVOC	Fluoranthene	206-44-0	T		U	2.00E-04	8.0E-01		8.0E-01	
TW-05	PRG24_TW-05	N	02/18/20	SVOC	Fluorene	86-73-7	T	6.00E-04		2.00E-04	8.0E-01	7.5E-04	2.9E-01	2.1E-03
TW-05	TW-05_02/18/20	N	02/18/20	SVOC	Fluorene	86-73-7	T	6.00E-04		2.00E-04	8.0E-01	7.5E-04	2.9E-01	2.1E-03
TW-05	PRG24_TW-05	N	02/18/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	4.00E-04	2.5E-03		2.5E-03	
TW-05	TW-05_02/18/20	N	02/18/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	4.00E-04	2.5E-03		2.5E-03	
TW-05	PRG24_TW-05	N	02/18/20	SVOC	1-Methylnaphthalene	90-12-0	T	2.00E-03		2.00E-04	2.7E-02	7.4E-02	1.1E-02	1.8E-01
TW-05	TW-05_02/18/20	N	02/18/20	SVOC	1-Methylnaphthalene	90-12-0	T	2.00E-03		2.00E-04	2.7E-02	7.4E-02	1.1E-02	1.8E-01
TW-05	PRG24_TW-05	N	02/18/20	SVOC	2-Methylnaphthalene	91-57-6	T	2.00E-04	J	3.00E-04	8.0E-02	2.5E-03	3.6E-02	5.6E-03
TW-05	TW-05_02/18/20	N	02/18/20	SVOC	2-Methylnaphthalene	91-57-6	T	2.00E-04	J	3.00E-04	8.0E-02	2.5E-03	3.6E-02	5.6E-03
TW-05	PRG24_TW-05	N	02/18/20	SVOC	Naphthalene	91-20-3	T	6.00E-04		3.00E-04	6.5E-03	9.2E-02	1.2E-03	5.0E-01
TW-05	TW-05_02/18/20	N	02/18/20	SVOC	Naphthalene	91-20-3	T	6.00E-04		3.00E-04	6.5E-03	9.2E-02	1.2E-03	5.0E-01
TW-05	PRG24_TW-05	N	02/18/20	SVOC	Perylene	198-55-0	T		U	2.00E-04				
TW-05	TW-05_02/18/20	N	02/18/20	SVOC	Perylene	198-55-0	T		U	2.00E-04				
TW-05	PRG24_TW-05	N	02/18/20	SVOC	Phenanthrene	85-01-8	T	3.00E-04	J	3.00E-04	6.0E-01	5.0E-04	1.2E-01	2.5E-03
TW-05	TW-05_02/18/20	N	02/18/20	SVOC	Phenanthrene	85-01-8	T	3.00E-04	J	3.00E-04	6.0E-01	5.0E-04	1.2E-01	2.5E-03
TW-05	PRG24_TW-05	N	02/18/20	SVOC	Pyrene	129-00-0	T	2.00E-04	J	2.00E-04	6.0E-01	3.3E-04	1.2E-01	1.7E-03
TW-05	TW-05_02/18/20	N	02/18/20	SVOC	Pyrene	129-00-0	T	2.00E-04	J	2.00E-04	6.0E-01	3.3E-04	1.2E-01	1.7E-03
TW-05	TW-05_02/18/20	N	02/18/20	INORG	Iron	7439-89-6	T	9.58E+01		5.00E+00	1.4E+01	<b>6.8E+00</b>	1.4E+01	<b>6.8E+00</b>
TW-05	TW-05_02/18/20	N	02/18/20	INORG	Manganese	7439-96-5	T	5.03E+00		1.00E-02	4.8E-01	<b>1.0E+01</b>	4.3E-01	<b>1.2E+01</b>
TW-05	PRG25_TW05	N	05/11/20	VOC	Benzene	71-43-2	T	2.00E-04	J	1.00E-03	5.0E-03	4.0E-02	4.6E-03	4.3E-02
TW-05	TW-05_05/11/20	N	05/11/20	VOC	Benzene	71-43-2	T	2.00E-04	J	1.00E-03	5.0E-03	4.0E-02	4.6E-03	4.3E-02
TW-05	PRG25_TW05	N	05/11/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-05	TW-05_05/11/20	N	05/11/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-05	PRG25_TW05	N	05/11/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-05	TW-05_05/11/20	N	05/11/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-05	PRG25_TW05	N	05/11/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-05	TW-05_05/11/20	N	05/11/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-05	PRG25_TW05	N	05/11/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-05	TW-05_05/11/20	N	05/11/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-05	PRG25_TW05	N	05/11/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-05	TW-05_05/11/20	N	05/11/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-05	PRG25_TW05	N	05/11/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-05	TW-05_05/11/20	N	05/11/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-05	PRG25_TW05	N	05/11/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-05	TW-05_05/11/20	N	05/11/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-05	PRG25_TW05	N	05/11/20	SVOC	Acenaphthene	83-32-9	T	8.00E-04		1.00E-04	1.2E+00	6.7E-04	5.3E-01	1.5E-03
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Acenaphthene	83-32-9	T	8.00E-04		5.00E-04	1.2E+00	6.7E-04	5.3E-01	1.5E-03
TW-05	PRG25_TW05	N	05/11/20	SVOC	Acenaphthylene	208-96-8	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Acenaphthylene	208-96-8	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Acetophenone	98-86-2	T		U	1.00E-02	2.0E+00		1.9E+00	
TW-05	PRG25_TW05	N	05/11/20	SVOC	Anthracene	120-12-7	T		U	1.00E-04	6.0E+00		1.8E+00	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Anthracene	120-12-7	T		U	1.00E-04	6.0E+00		1.8E+00	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Atrazine	1912-24-9	T		U	5.00E-03	3.0E-03		3.0E-03	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Benzaldehyde	100-52-7	T		U	1.00E-02	1.9E-01		1.9E-01	
TW-05	PRG25_TW05	N	05/11/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	1.00E-04	2.5E-03		3.0E-04	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	1.00E-04	2.5E-03		3.0E-04	
TW-05	PRG25_TW05	N	05/11/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	1.00E-04	2.0E-04		2.5E-04	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	1.00E-04	2.0E-04		2.5E-04	
TW-05	PRG25_TW05	N	05/11/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	2.00E-04	2.5E-03		2.5E-03	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	2.00E-04	2.5E-03		2.5E-03	
TW-05	PRG25_TW05	N	05/11/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	1.00E-04	1.8E-03		1.8E-03	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	1.00E-04	1.8E-03		1.8E-03	
TW-05	PRG25_TW05	N	05/11/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-05	PRG25_TW05	N	05/11/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	1.00E-04	2.5E-02		2.5E-02	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	1.00E-04	2.5E-02		2.5E-02	
TW-05	PRG25_TW05	N	05/11/20	SVOC	1,1-Biphenyl	92-52-4	T	2.00E-04		1.00E-04	9.7E-02	2.1E-03	8.3E-04	2.4E-01
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	1,1-Biphenyl	92-52-4	T	2.00E-04		1.00E-04	9.7E-02	2.1E-03	8.3E-04	2.4E-01
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	2.00E-03	6.0E-02		5.9E-02	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	2.00E-03	7.1E-04		1.4E-04	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.10E-02	6.0E-03		5.6E-02	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	2.00E-03				
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Butylbenzylphthalate	85-68-7	T		U	5.00E-03	4.1E-01		1.6E-01	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Caprolactam	105-60-2	T		U	1.10E-02	1.0E+01		9.9E+00	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Carbazole	86-74-8	T		U	2.00E-03	8.0E-01		2.9E-01	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	4.00E-03	2.0E+00		1.4E+00	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	4-Chloroaniline	106-47-8	T		U	1.00E-02	3.9E-03		3.7E-03	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-03	1.6E+00		7.5E-01	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	2-Chlorophenol	95-57-8	T		U	2.00E-03	1.0E-01		9.1E-02	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	2.00E-03				
TW-05	PRG25_TW05	N	05/11/20	SVOC	Chrysene	218-01-9	T		U	1.00E-04	2.5E-01		2.5E-01	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Chrysene	218-01-9	T		U	1.00E-04	2.5E-01		2.5E-01	
TW-05	PRG25_TW05	N	05/11/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	1.00E-04	2.5E-04		2.5E-04	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	1.00E-04	2.5E-04		2.5E-04	
TW-05	PRG25_TW05	N	05/11/20	SVOC	Dibenzofuran	132-64-9	T	1.00E-04	J	1.00E-04	2.0E-02	5.0E-03	7.9E-03	1.3E-02
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Dibenzofuran	132-64-9	T	1.00E-04	J	1.00E-04	2.0E-02	5.0E-03	7.9E-03	1.3E-02
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.00E-02	1.7E-03		1.3E-03	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	2,4-Dichlorophenol	120-83-2	T		U	2.00E-03	6.0E-02		4.6E-02	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Diethylphthalate	84-66-2	T		U	5.00E-03	1.6E+01		1.5E+01	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.00E-02	4.0E-01		3.6E-01	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Dimethylphthalate	131-11-3	T		U	5.00E-03	1.6E+01		1.5E+01	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Di-n-butylphthalate	84-74-2	T		U	5.00E-03	2.0E+00		9.0E-01	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	2.10E-02	1.6E-03		1.5E-03	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	2,4-Dinitrophenol	51-28-5	T		U	3.00E-02	4.0E-02		3.9E-02	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.10E-02	2.0E-01		2.0E-01	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-05	PRG25_TW05	N	05/11/20	SVOC	Fluoranthene	206-44-0	T	4.00E-05	J	1.00E-04	8.0E-01	5.0E-05	8.0E-01	5.0E-05
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Fluoranthene	206-44-0	T	4.00E-05	J	1.00E-04	8.0E-01	5.0E-05	8.0E-01	5.0E-05
TW-05	PRG25_TW05	N	05/11/20	SVOC	Fluorene	86-73-7	T	6.00E-04		1.00E-04	8.0E-01	7.5E-04	2.9E-01	2.1E-03
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Fluorene	86-73-7	T	6.00E-04		5.00E-04	8.0E-01	7.5E-04	2.9E-01	2.1E-03
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Hexachlorobenzene	118-74-1	T		U	5.00E-04	1.0E-03		9.8E-05	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Hexachlorobutadiene	87-68-3	T		U	2.00E-03	1.0E-02		1.4E-03	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.10E-02	5.0E-02		4.1E-04	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Hexachloroethane	67-72-1	T		U	5.00E-03	1.4E-02		3.3E-03	
TW-05	PRG25_TW05	N	05/11/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	2.00E-04	2.5E-03		2.5E-03	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	2.00E-04	2.5E-03		2.5E-03	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Isophorone	78-59-1	T		U	2.00E-03	8.2E-01		7.8E-01	
TW-05	PRG25_TW05	N	05/11/20	SVOC	1-Methylnaphthalene	90-12-0	T	2.00E-03		1.00E-04	2.7E-02	7.4E-02	1.1E-02	1.8E-01
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	1-Methylnaphthalene	90-12-0	T	2.00E-03		1.00E-04	2.7E-02	7.4E-02	1.1E-02	1.8E-01
TW-05	PRG25_TW05	N	05/11/20	SVOC	2-Methylnaphthalene	91-57-6	T	2.00E-04		1.00E-04	8.0E-02	2.5E-03	3.6E-02	5.6E-03
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	2-Methylnaphthalene	91-57-6	T	2.00E-04		1.00E-04	8.0E-02	2.5E-03	3.6E-02	5.6E-03
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	2-Methylphenol	95-48-7	T		U	2.00E-03	1.0E+00		9.3E-01	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	4-Methylphenol	106-44-5	T		U	2.00E-03	4.0E-01		3.7E-01	
TW-05	PRG25_TW05	N	05/11/20	SVOC	Naphthalene	91-20-3	T	7.00E-04		2.00E-04	6.5E-03	1.1E-01	1.2E-03	5.8E-01
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Naphthalene	91-20-3	T	7.00E-04		2.00E-04	6.5E-03	1.1E-01	1.2E-03	5.8E-01
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	2-Nitroaniline	88-74-4	T		U	7.00E-03	2.0E-01		1.9E-01	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	3-Nitroaniline	99-09-2	T		U	7.00E-03	3.9E-02		3.8E-02	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	4-Nitroaniline	100-01-6	T		U	3.00E-03	3.9E-02		3.8E-02	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	2-Nitrophenol	88-75-5	T		U	1.00E-02				
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	4-Nitrophenol	100-02-7	T		U	3.00E-02				
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	3.00E-03	1.6E-01		1.2E-01	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	3.00E-03	1.1E-04		1.1E-04	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	2.00E-03	8.0E-01		7.1E-01	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Pentachlorophenol	87-86-5	T		U	5.00E-03	1.0E-03		4.1E-04	
TW-05	PRG25_TW05	N	05/11/20	SVOC	Perylene	198-55-0	T		U	1.00E-04				
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Perylene	198-55-0	T		U	1.00E-04				
TW-05	PRG25_TW05	N	05/11/20	SVOC	Phenanthrene	85-01-8	T	2.00E-04		2.00E-04	6.0E-01	3.3E-04	1.2E-01	1.7E-03
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Phenanthrene	85-01-8	T	3.00E-04	J	5.00E-04	6.0E-01	5.0E-04	1.2E-01	2.5E-03
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Phenol	108-95-2	T		U	2.00E-03	6.0E+00		5.8E+00	
TW-05	PRG25_TW05	N	05/11/20	SVOC	Pyrene	129-00-0	T	1.00E-04		1.00E-04	6.0E-01	1.7E-04	1.2E-01	8.3E-04
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Pyrene	129-00-0	T	2.00E-04	J	5.00E-04	6.0E-01	3.3E-04	1.2E-01	1.7E-03
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	2.00E-03	2.0E+00		1.2E+00	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	2.00E-03	2.0E-02		1.2E-02	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	5.00E-03	2.5E-03		2.4E-03	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	2.00E-03	5.2E-04		4.9E-04	
TW-05	TW-05_05/11/20	N	05/11/20	SVOC	Nitrobenzene	98-95-3	T		U	2.00E-03	4.0E-02		1.4E-03	
TW-05	TW-05_05/11/20	N	05/11/20	INORG	Antimony	7440-36-0	T		U	5.00E-02	6.0E-03		7.8E-03	
TW-05	TW-05_05/11/20	N	05/11/20	INORG	Arsenic	7440-38-2	T		U	3.00E-02	1.0E-02		5.2E-04	
TW-05	TW-05_05/11/20	N	05/11/20	INORG	Barium	7440-39-3	T	2.67E-02		5.00E-03	2.0E+00	1.3E-02	3.8E+00	7.0E-03
TW-05	TW-05_05/11/20	N	05/11/20	INORG	Beryllium	7440-41-7	T		U	5.00E-03	4.0E-03		2.5E-02	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-05	TW-05_05/11/20	N	05/11/20	INORG	Cadmium	7440-43-9	T	4.40E-03	J	5.00E-03	5.0E-03	8.8E-01	1.8E-03	2.4E+00
TW-05	TW-05_05/11/20	N	05/11/20	INORG	Chromium (total)	7440-47-3	T		U	1.50E-02	1.0E-01		2.2E+01	
TW-05	TW-05_05/11/20	N	05/11/20	INORG	Cobalt	7440-48-4	T	1.09E-01		5.00E-03	6.0E-03	1.8E+01	6.0E-03	1.8E+01
TW-05	TW-05_05/11/20	N	05/11/20	INORG	Copper	7440-50-8	T		U	2.00E-02	1.3E+00		8.0E-01	
TW-05	TW-05_05/11/20	N	05/11/20	INORG	Iron	7439-89-6	T	9.84E+01		5.00E+00	1.4E+01	7.0E+00	1.4E+01	7.0E+00
TW-05	TW-05_05/11/20	N	05/11/20	INORG	Lead	7439-92-1	T	8.70E-03	J	1.50E-02	1.5E-02	5.8E-01	1.5E-02	5.8E-01
TW-05	TW-05_05/11/20	N	05/11/20	INORG	Manganese	7439-96-5	T	4.35E+00		1.00E-02	4.8E-01	9.1E+00	4.3E-01	1.0E+01
TW-05	TW-05_05/11/20	N	05/11/20	INORG	Mercury	7439-97-6	T		U	2.00E-04	2.0E-03		5.7E-04	
TW-05	TW-05_05/11/20	N	05/11/20	INORG	Molybdenum	7439-98-7	T		U	1.00E-02	1.0E-01		1.0E-01	
TW-05	TW-05_05/11/20	N	05/11/20	INORG	Nickel	7440-02-0	T	4.81E-02		1.00E-02	4.0E-01	1.2E-01	3.9E-01	1.2E-01
TW-05	TW-05_05/11/20	N	05/11/20	INORG	Selenium	7782-49-2	T		U	5.00E-02	5.0E-02		1.0E-01	
TW-05	TW-05_05/11/20	N	05/11/20	INORG	Silver	7440-22-4	T		U	1.00E-02	1.0E-01		9.4E-02	
TW-05	TW-05_05/11/20	N	05/11/20	INORG	Thallium	7440-28-0	T		U	3.00E-02	2.0E-03		2.0E-04	
TW-05	TW-05_05/11/20	N	05/11/20	INORG	Vanadium	7440-62-2	T		U	1.00E-02	1.0E-01		8.6E-02	
TW-05	TW-05_05/11/20	N	05/11/20	INORG	Zinc	7440-66-6	T	1.42E-01		2.00E-02	6.0E+00	2.4E-02	6.0E+00	2.4E-02
TW-05	410-12267-2383.1_TW05	N	12/09/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-05	TW05-12092020	N	12/09/20	VOC	Benzene	71-43-2	T		U	2.00E-04	5.0E-03		4.6E-03	
TW-05	410-12267-2383.1_TW05	N	12/09/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-05	TW05-12092020	N	12/09/20	VOC	1,2-Dibromoethane	106-93-4	T		U	3.00E-04	5.0E-05		7.5E-05	
TW-05	410-12267-2383.1_TW05	N	12/09/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-05	TW05-12092020	N	12/09/20	VOC	1,2-Dichloroethane	107-06-2	T		U	2.00E-03	5.0E-03		1.7E-03	
TW-05	410-12267-2383.1_TW05	N	12/09/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-05	TW05-12092020	N	12/09/20	VOC	Ethyl Benzene	100-41-4	T		U	2.00E-04	7.0E-01		1.5E-02	
TW-05	410-12267-2383.1_TW05	N	12/09/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-05	TW05-12092020	N	12/09/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	2.00E-04	4.3E-01		1.4E-01	
TW-05	410-12267-2383.1_TW05	N	12/09/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-05	TW05-12092020	N	12/09/20	VOC	tert-Butyl alcohol	75-65-0	T		U	1.00E-02	1.6E+00		1.5E+00	
TW-05	410-12267-2383.1_TW05	N	12/09/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-05	TW05-12092020	N	12/09/20	VOC	Toluene	108-88-3	T		U	2.00E-04	1.0E+00		1.1E+00	
TW-05	410-12267-2383.1_TW05	N	12/09/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-05	TW05-12092020	N	12/09/20	VOC	Xylenes (total)	1330-20-7	T		U	8.00E-04	1.0E+01		1.9E-01	
TW-05	410-12267-2383.1_TW05	N	12/09/20	SVOC	Acenaphthene	83-32-9	T		U	1.10E-04	1.2E+00		5.3E-01	
TW-05	TW05-12092020	N	12/09/20	SVOC	Acenaphthene	83-32-9	T		U	2.10E-05	1.2E+00		5.3E-01	
TW-05	410-12267-2383.1_TW05	N	12/09/20	SVOC	Acenaphthylene	208-96-8	T		U	1.10E-04	6.0E-01		1.2E-01	
TW-05	TW05-12092020	N	12/09/20	SVOC	Acenaphthylene	208-96-8	T		U	2.10E-05	6.0E-01		1.2E-01	
TW-05	410-12267-2383.1_TW05	N	12/09/20	SVOC	Anthracene	120-12-7	T		U	1.10E-04	6.0E+00		1.8E+00	
TW-05	TW05-12092020	N	12/09/20	SVOC	Anthracene	120-12-7	T		U	2.10E-05	6.0E+00		1.8E+00	
TW-05	410-12267-2383.1_TW05	N	12/09/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	1.10E-04	2.5E-03		3.0E-04	
TW-05	TW05-12092020	N	12/09/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	2.10E-05	2.5E-03		3.0E-04	
TW-05	410-12267-2383.1_TW05	N	12/09/20	SVOC	Benzo(a)pyrene	50-32-8	T	2.70E-05	J	1.10E-04	2.0E-04	1.4E-01	2.5E-04	1.1E-01
TW-05	TW05-12092020	N	12/09/20	SVOC	Benzo(a)pyrene	50-32-8	T	2.70E-05	J	2.10E-05	2.0E-04	1.4E-01	2.5E-04	1.1E-01
TW-05	410-12267-2383.1_TW05	N	12/09/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	1.90E-04	2.5E-03		2.5E-03	
TW-05	TW05-12092020	N	12/09/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	8.60E-05	2.5E-03		2.5E-03	
TW-05	410-12267-2383.1_TW05	N	12/09/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	1.10E-04	1.8E-03		1.8E-03	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-05	TW05-12092020	N	12/09/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	2.10E-05	1.8E-03		1.8E-03	
TW-05	410-12267-2383.1_TW05	N	12/09/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	1.50E-04	6.0E-01		1.2E-01	
TW-05	TW05-12092020	N	12/09/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	6.40E-05	6.0E-01		1.2E-01	
TW-05	410-12267-2383.1_TW05	N	12/09/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	1.10E-04	2.5E-02		2.5E-02	
TW-05	TW05-12092020	N	12/09/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	2.10E-05	2.5E-02		2.5E-02	
TW-05	410-12267-2383.1_TW05	N	12/09/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.10E-04	9.7E-02		8.3E-04	
TW-05	TW05-12092020	N	12/09/20	SVOC	1,1-Biphenyl	92-52-4	T		U	4.30E-05	9.7E-02		8.3E-04	
TW-05	410-12267-2383.1_TW05	N	12/09/20	SVOC	Chrysene	218-01-9	T	2.10E-05	J	1.10E-04	2.5E-01	8.4E-05	2.5E-01	8.4E-05
TW-05	TW05-12092020	N	12/09/20	SVOC	Chrysene	218-01-9	T	2.10E-05	J	2.10E-05	2.5E-01	8.4E-05	2.5E-01	8.4E-05
TW-05	410-12267-2383.1_TW05	N	12/09/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	1.10E-04	2.5E-04		2.5E-04	
TW-05	TW05-12092020	N	12/09/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	2.10E-05	2.5E-04		2.5E-04	
TW-05	410-12267-2383.1_TW05	N	12/09/20	SVOC	Dibenzofuran	132-64-9	T		U	1.10E-04	2.0E-02		7.9E-03	
TW-05	TW05-12092020	N	12/09/20	SVOC	Dibenzofuran	132-64-9	T		U	2.10E-05	2.0E-02		7.9E-03	
TW-05	410-12267-2383.1_TW05	N	12/09/20	SVOC	Fluoranthene	206-44-0	T		U	1.10E-04	8.0E-01		8.0E-01	
TW-05	TW05-12092020	N	12/09/20	SVOC	Fluoranthene	206-44-0	T		U	2.10E-05	8.0E-01		8.0E-01	
TW-05	410-12267-2383.1_TW05	N	12/09/20	SVOC	Fluorene	86-73-7	T		U	1.10E-04	8.0E-01		2.9E-01	
TW-05	TW05-12092020	N	12/09/20	SVOC	Fluorene	86-73-7	T		U	2.10E-05	8.0E-01		2.9E-01	
TW-05	410-12267-2383.1_TW05	N	12/09/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	1.90E-04	2.5E-03		2.5E-03	
TW-05	TW05-12092020	N	12/09/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	8.60E-05	2.5E-03		2.5E-03	
TW-05	410-12267-2383.1_TW05	N	12/09/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	1.10E-04	2.7E-02		1.1E-02	
TW-05	TW05-12092020	N	12/09/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	2.10E-05	2.7E-02		1.1E-02	
TW-05	410-12267-2383.1_TW05	N	12/09/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	1.50E-04	8.0E-02		3.6E-02	
TW-05	TW05-12092020	N	12/09/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	6.40E-05	8.0E-02		3.6E-02	
TW-05	410-12267-2383.1_TW05	N	12/09/20	SVOC	Naphthalene	91-20-3	T		U	1.70E-04	6.5E-03		1.2E-03	
TW-05	TW05-12092020	N	12/09/20	SVOC	Naphthalene	91-20-3	T		U	6.40E-05	6.5E-03		1.2E-03	
TW-05	410-12267-2383.1_TW05	N	12/09/20	SVOC	Perylene	198-55-0	T		U	1.10E-04				
TW-05	TW05-12092020	N	12/09/20	SVOC	Perylene	198-55-0	T		U	4.30E-05				
TW-05	410-12267-2383.1_TW05	N	12/09/20	SVOC	Phenanthrene	85-01-8	T		U	1.70E-04	6.0E-01		1.2E-01	
TW-05	TW05-12092020	N	12/09/20	SVOC	Phenanthrene	85-01-8	T		U	6.40E-05	6.0E-01		1.2E-01	
TW-05	410-12267-2383.1_TW05	N	12/09/20	SVOC	Pyrene	129-00-0	T	3.00E-04		1.10E-04	6.0E-01	5.0E-04	1.2E-01	2.5E-03
TW-05	TW05-12092020	N	12/09/20	SVOC	Pyrene	129-00-0	T	3.00E-04		4.30E-05	6.0E-01	5.0E-04	1.2E-01	2.5E-03
TW-05	410-33562-1_DUP20210323	FD	03/23/21	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-05	410-33562-1_TW-05	N	03/23/21	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-05	DUP20210323-03232021	FD	03/23/21	VOC	Benzene	71-43-2	T		U	2.00E-04	5.0E-03		4.6E-03	
TW-05	TW-05-03232021	N	03/23/21	VOC	Benzene	71-43-2	T		U	2.00E-04	5.0E-03		4.6E-03	
TW-05	410-33562-1_DUP20210323	FD	03/23/21	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-05	410-33562-1_TW-05	N	03/23/21	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-05	DUP20210323-03232021	FD	03/23/21	VOC	1,2-Dibromoethane	106-93-4	T		U	3.00E-04	5.0E-05		7.5E-05	
TW-05	TW-05-03232021	N	03/23/21	VOC	1,2-Dibromoethane	106-93-4	T		U	3.00E-04	5.0E-05		7.5E-05	
TW-05	410-33562-1_DUP20210323	FD	03/23/21	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-05	410-33562-1_TW-05	N	03/23/21	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-05	DUP20210323-03232021	FD	03/23/21	VOC	1,2-Dichloroethane	107-06-2	T		U	2.00E-03	5.0E-03		1.7E-03	
TW-05	TW-05-03232021	N	03/23/21	VOC	1,2-Dichloroethane	107-06-2	T		U	2.00E-03	5.0E-03		1.7E-03	
TW-05	410-33562-1_DUP20210323	FD	03/23/21	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	



**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-05	410-33562-1_TW-05	N	03/23/21	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-05	DUP20210323-03232021	FD	03/23/21	VOC	Ethyl Benzene	100-41-4	T		U	2.00E-04	7.0E-01		1.5E-02	
TW-05	TW-05-03232021	N	03/23/21	VOC	Ethyl Benzene	100-41-4	T		U	2.00E-04	7.0E-01		1.5E-02	
TW-05	410-33562-1_DUP20210323	FD	03/23/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-05	410-33562-1_TW-05	N	03/23/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-05	DUP20210323-03232021	FD	03/23/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	2.00E-04	4.3E-01		1.4E-01	
TW-05	TW-05-03232021	N	03/23/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	2.00E-04	4.3E-01		1.4E-01	
TW-05	410-33562-1_DUP20210323	FD	03/23/21	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-05	410-33562-1_TW-05	N	03/23/21	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-05	DUP20210323-03232021	FD	03/23/21	VOC	tert-Butyl alcohol	75-65-0	T		U	1.00E-02	1.6E+00		1.5E+00	
TW-05	TW-05-03232021	N	03/23/21	VOC	tert-Butyl alcohol	75-65-0	T		U	1.00E-02	1.6E+00		1.5E+00	
TW-05	410-33562-1_DUP20210323	FD	03/23/21	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-05	410-33562-1_TW-05	N	03/23/21	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-05	DUP20210323-03232021	FD	03/23/21	VOC	Toluene	108-88-3	T		U	2.00E-04	1.0E+00		1.1E+00	
TW-05	TW-05-03232021	N	03/23/21	VOC	Toluene	108-88-3	T		U	2.00E-04	1.0E+00		1.1E+00	
TW-05	410-33562-1_DUP20210323	FD	03/23/21	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-05	410-33562-1_TW-05	N	03/23/21	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-05	DUP20210323-03232021	FD	03/23/21	VOC	Xylenes (total)	1330-20-7	T		U	8.00E-04	1.0E+01		1.9E-01	
TW-05	TW-05-03232021	N	03/23/21	VOC	Xylenes (total)	1330-20-7	T		U	8.00E-04	1.0E+01		1.9E-01	
TW-05	410-33562-1_DUP20210323	FD	03/23/21	SVOC	Acenaphthene	83-32-9	T		U	1.00E-04	1.2E+00		5.3E-01	
TW-05	410-33562-1_TW-05	N	03/23/21	SVOC	Acenaphthene	83-32-9	T		U	1.00E-04	1.2E+00		5.3E-01	
TW-05	DUP20210323-03232021	FD	03/23/21	SVOC	Acenaphthene	83-32-9	T		U	2.00E-05	1.2E+00		5.3E-01	
TW-05	TW-05-03232021	N	03/23/21	SVOC	Acenaphthene	83-32-9	T		U	2.10E-05	1.2E+00		5.3E-01	
TW-05	410-33562-1_DUP20210323	FD	03/23/21	SVOC	Acenaphthylene	208-96-8	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-05	410-33562-1_TW-05	N	03/23/21	SVOC	Acenaphthylene	208-96-8	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-05	DUP20210323-03232021	FD	03/23/21	SVOC	Acenaphthylene	208-96-8	T		U	2.00E-05	6.0E-01		1.2E-01	
TW-05	TW-05-03232021	N	03/23/21	SVOC	Acenaphthylene	208-96-8	T		U	2.10E-05	6.0E-01		1.2E-01	
TW-05	410-33562-1_DUP20210323	FD	03/23/21	SVOC	Anthracene	120-12-7	T		U	1.00E-04	6.0E+00		1.8E+00	
TW-05	410-33562-1_TW-05	N	03/23/21	SVOC	Anthracene	120-12-7	T		U	1.00E-04	6.0E+00		1.8E+00	
TW-05	DUP20210323-03232021	FD	03/23/21	SVOC	Anthracene	120-12-7	T		U	2.00E-05	6.0E+00		1.8E+00	
TW-05	TW-05-03232021	N	03/23/21	SVOC	Anthracene	120-12-7	T		U	2.10E-05	6.0E+00		1.8E+00	
TW-05	410-33562-1_DUP20210323	FD	03/23/21	SVOC	Benzo(a)anthracene	56-55-3	T	5.10E-05	J	1.00E-04	2.5E-03	2.0E-02	3.0E-04	1.7E-01
TW-05	410-33562-1_TW-05	N	03/23/21	SVOC	Benzo(a)anthracene	56-55-3	T	1.70E-04		1.00E-04	2.5E-03	6.8E-02	3.0E-04	5.7E-01
TW-05	DUP20210323-03232021	FD	03/23/21	SVOC	Benzo(a)anthracene	56-55-3	T	5.10E-05	J	2.00E-05	2.5E-03	2.0E-02	3.0E-04	1.7E-01
TW-05	TW-05-03232021	N	03/23/21	SVOC	Benzo(a)anthracene	56-55-3	T	1.70E-04		2.10E-05	2.5E-03	6.8E-02	3.0E-04	5.7E-01
TW-05	410-33562-1_DUP20210323	FD	03/23/21	SVOC	Benzo(a)pyrene	50-32-8	T	7.60E-05	J	1.00E-04	2.0E-04	3.8E-01	2.5E-04	3.0E-01
TW-05	410-33562-1_TW-05	N	03/23/21	SVOC	Benzo(a)pyrene	50-32-8	T	1.60E-04		1.00E-04	2.0E-04	8.0E-01	2.5E-04	6.4E-01
TW-05	DUP20210323-03232021	FD	03/23/21	SVOC	Benzo(a)pyrene	50-32-8	T	7.60E-05	J	2.00E-05	2.0E-04	3.8E-01	2.5E-04	3.0E-01
TW-05	TW-05-03232021	N	03/23/21	SVOC	Benzo(a)pyrene	50-32-8	T	1.60E-04		2.10E-05	2.0E-04	8.0E-01	2.5E-04	6.4E-01
TW-05	410-33562-1_DUP20210323	FD	03/23/21	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	1.80E-04	2.5E-03		2.5E-03	
TW-05	410-33562-1_TW-05	N	03/23/21	SVOC	Benzo(b)fluoranthene	205-99-2	T	2.00E-04		1.90E-04	2.5E-03	8.0E-02	2.5E-03	8.0E-02
TW-05	DUP20210323-03232021	FD	03/23/21	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	8.20E-05	2.5E-03		2.5E-03	
TW-05	TW-05-03232021	N	03/23/21	SVOC	Benzo(b)fluoranthene	205-99-2	T	2.00E-04		8.40E-05	2.5E-03	8.0E-02	2.5E-03	8.0E-02
TW-05	410-33562-1_DUP20210323	FD	03/23/21	SVOC	Benzo(e)pyrene	192-97-2	T	7.60E-05	J	1.00E-04	1.8E-03	4.2E-02	1.8E-03	4.2E-02

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-05	410-33562-1_TW-05	N	03/23/21	SVOC	Benzo(e)pyrene	192-97-2	T	1.70E-04		1.00E-04	1.8E-03	9.4E-02	1.8E-03	9.4E-02
TW-05	DUP20210323-03232021	FD	03/23/21	SVOC	Benzo(e)pyrene	192-97-2	T	7.60E-05	J	2.00E-05	1.8E-03	4.2E-02	1.8E-03	4.2E-02
TW-05	TW-05-03232021	N	03/23/21	SVOC	Benzo(e)pyrene	192-97-2	T	1.70E-04		2.10E-05	1.8E-03	9.4E-02	1.8E-03	9.4E-02
TW-05	410-33562-1_DUP20210323	FD	03/23/21	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	1.40E-04	6.0E-01		1.2E-01	
TW-05	410-33562-1_TW-05	N	03/23/21	SVOC	Benzo(g,h,i)perylene	191-24-2	T	1.10E-04	J	1.50E-04	6.0E-01	1.8E-04	1.2E-01	9.2E-04
TW-05	DUP20210323-03232021	FD	03/23/21	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	6.10E-05	6.0E-01		1.2E-01	
TW-05	TW-05-03232021	N	03/23/21	SVOC	Benzo(g,h,i)perylene	191-24-2	T	1.10E-04	J	6.30E-05	6.0E-01	1.8E-04	1.2E-01	9.2E-04
TW-05	410-33562-1_DUP20210323	FD	03/23/21	SVOC	Benzo(k)fluoranthene	207-08-9	T	5.30E-05	J	1.00E-04	2.5E-02	2.1E-03	2.5E-02	2.1E-03
TW-05	410-33562-1_TW-05	N	03/23/21	SVOC	Benzo(k)fluoranthene	207-08-9	T	1.30E-04		1.00E-04	2.5E-02	5.2E-03	2.5E-02	5.2E-03
TW-05	DUP20210323-03232021	FD	03/23/21	SVOC	Benzo(k)fluoranthene	207-08-9	T	5.30E-05	J	2.00E-05	2.5E-02	2.1E-03	2.5E-02	2.1E-03
TW-05	TW-05-03232021	N	03/23/21	SVOC	Benzo(k)fluoranthene	207-08-9	T	1.30E-04		2.10E-05	2.5E-02	5.2E-03	2.5E-02	5.2E-03
TW-05	410-33562-1_DUP20210323	FD	03/23/21	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-04	9.7E-02		8.3E-04	
TW-05	410-33562-1_TW-05	N	03/23/21	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-04	9.7E-02		8.3E-04	
TW-05	DUP20210323-03232021	FD	03/23/21	SVOC	1,1-Biphenyl	92-52-4	T		U	4.10E-05	9.7E-02		8.3E-04	
TW-05	TW-05-03232021	N	03/23/21	SVOC	1,1-Biphenyl	92-52-4	T		U	4.20E-05	9.7E-02		8.3E-04	
TW-05	410-33562-1_DUP20210323	FD	03/23/21	SVOC	Chrysene	218-01-9	T	1.10E-04		1.00E-04	2.5E-01	4.4E-04	2.5E-01	4.4E-04
TW-05	410-33562-1_TW-05	N	03/23/21	SVOC	Chrysene	218-01-9	T	3.00E-04		1.00E-04	2.5E-01	1.2E-03	2.5E-01	1.2E-03
TW-05	DUP20210323-03232021	FD	03/23/21	SVOC	Chrysene	218-01-9	T	1.10E-04		2.00E-05	2.5E-01	4.4E-04	2.5E-01	4.4E-04
TW-05	TW-05-03232021	N	03/23/21	SVOC	Chrysene	218-01-9	T	3.00E-04		2.10E-05	2.5E-01	1.2E-03	2.5E-01	1.2E-03
TW-05	410-33562-1_DUP20210323	FD	03/23/21	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	1.00E-04	2.5E-04		2.5E-04	
TW-05	410-33562-1_TW-05	N	03/23/21	SVOC	Dibenz(a,h)anthracene	53-70-3	T	2.90E-05	J	1.00E-04	2.5E-04	1.2E-01	2.5E-04	1.2E-01
TW-05	DUP20210323-03232021	FD	03/23/21	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	2.00E-05	2.5E-04		2.5E-04	
TW-05	TW-05-03232021	N	03/23/21	SVOC	Dibenz(a,h)anthracene	53-70-3	T	2.90E-05	J	2.10E-05	2.5E-04	1.2E-01	2.5E-04	1.2E-01
TW-05	410-33562-1_DUP20210323	FD	03/23/21	SVOC	Dibenzofuran	132-64-9	T		U	1.00E-04	2.0E-02		7.9E-03	
TW-05	410-33562-1_TW-05	N	03/23/21	SVOC	Dibenzofuran	132-64-9	T		U	1.00E-04	2.0E-02		7.9E-03	
TW-05	DUP20210323-03232021	FD	03/23/21	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-05	2.0E-02		7.9E-03	
TW-05	TW-05-03232021	N	03/23/21	SVOC	Dibenzofuran	132-64-9	T		U	2.10E-05	2.0E-02		7.9E-03	
TW-05	410-33562-1_DUP20210323	FD	03/23/21	SVOC	Fluoranthene	206-44-0	T	1.40E-04	*+	1.00E-04	8.0E-01	1.8E-04	8.0E-01	1.8E-04
TW-05	410-33562-1_TW-05	N	03/23/21	SVOC	Fluoranthene	206-44-0	T	2.80E-04	*+	1.00E-04	8.0E-01	3.5E-04	8.0E-01	3.5E-04
TW-05	DUP20210323-03232021	FD	03/23/21	SVOC	Fluoranthene	206-44-0	T	1.40E-04	*+	2.00E-05	8.0E-01	1.8E-04	8.0E-01	1.8E-04
TW-05	TW-05-03232021	N	03/23/21	SVOC	Fluoranthene	206-44-0	T	2.80E-04	*+	2.10E-05	8.0E-01	3.5E-04	8.0E-01	3.5E-04
TW-05	410-33562-1_DUP20210323	FD	03/23/21	SVOC	Fluorene	86-73-7	T		U	1.00E-04	8.0E-01		2.9E-01	
TW-05	410-33562-1_TW-05	N	03/23/21	SVOC	Fluorene	86-73-7	T		U	1.00E-04	8.0E-01		2.9E-01	
TW-05	DUP20210323-03232021	FD	03/23/21	SVOC	Fluorene	86-73-7	T		U	2.00E-05	8.0E-01		2.9E-01	
TW-05	TW-05-03232021	N	03/23/21	SVOC	Fluorene	86-73-7	T		U	2.10E-05	8.0E-01		2.9E-01	
TW-05	410-33562-1_DUP20210323	FD	03/23/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	1.80E-04	2.5E-03		2.5E-03	
TW-05	410-33562-1_TW-05	N	03/23/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T	1.10E-04	J	1.90E-04	2.5E-03	4.4E-02	2.5E-03	4.4E-02
TW-05	DUP20210323-03232021	FD	03/23/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	8.20E-05	2.5E-03		2.5E-03	
TW-05	TW-05-03232021	N	03/23/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T	1.10E-04	J	8.40E-05	2.5E-03	4.4E-02	2.5E-03	4.4E-02
TW-05	410-33562-1_DUP20210323	FD	03/23/21	SVOC	1-Methylnaphthalene	90-12-0	T		U	1.00E-04	2.7E-02		1.1E-02	
TW-05	410-33562-1_TW-05	N	03/23/21	SVOC	1-Methylnaphthalene	90-12-0	T		U	1.00E-04	2.7E-02		1.1E-02	
TW-05	DUP20210323-03232021	FD	03/23/21	SVOC	1-Methylnaphthalene	90-12-0	T		U	2.00E-05	2.7E-02		1.1E-02	
TW-05	TW-05-03232021	N	03/23/21	SVOC	1-Methylnaphthalene	90-12-0	T		U	2.10E-05	2.7E-02		1.1E-02	
TW-05	410-33562-1_DUP20210323	FD	03/23/21	SVOC	2-Methylnaphthalene	91-57-6	T		U	1.40E-04	8.0E-02		3.6E-02	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-05	410-33562-1_TW-05	N	03/23/21	SVOC	2-Methylnaphthalene	91-57-6	T		U	1.50E-04	8.0E-02		3.6E-02	
TW-05	DUP20210323-03232021	FD	03/23/21	SVOC	2-Methylnaphthalene	91-57-6	T		U	6.10E-05	8.0E-02		3.6E-02	
TW-05	TW-05-03232021	N	03/23/21	SVOC	2-Methylnaphthalene	91-57-6	T		U	6.30E-05	8.0E-02		3.6E-02	
TW-05	410-33562-1_DUP20210323	FD	03/23/21	SVOC	Naphthalene	91-20-3	T		U	1.60E-04	6.5E-03		1.2E-03	
TW-05	410-33562-1_TW-05	N	03/23/21	SVOC	Naphthalene	91-20-3	T		U	1.70E-04	6.5E-03		1.2E-03	
TW-05	DUP20210323-03232021	FD	03/23/21	SVOC	Naphthalene	91-20-3	T		U	6.10E-05	6.5E-03		1.2E-03	
TW-05	TW-05-03232021	N	03/23/21	SVOC	Naphthalene	91-20-3	T		U	6.30E-05	6.5E-03		1.2E-03	
TW-05	410-33562-1_DUP20210323	FD	03/23/21	SVOC	Perylene	198-55-0	T		U	1.00E-04				
TW-05	410-33562-1_TW-05	N	03/23/21	SVOC	Perylene	198-55-0	T		U	1.00E-04				
TW-05	DUP20210323-03232021	FD	03/23/21	SVOC	Perylene	198-55-0	T		U*	4.10E-05				
TW-05	TW-05-03232021	N	03/23/21	SVOC	Perylene	198-55-0	T		U*	4.20E-05				
TW-05	410-33562-1_DUP20210323	FD	03/23/21	SVOC	Phenanthrene	85-01-8	T		U	1.60E-04	6.0E-01		1.2E-01	
TW-05	410-33562-1_TW-05	N	03/23/21	SVOC	Phenanthrene	85-01-8	T		U	1.70E-04	6.0E-01		1.2E-01	
TW-05	DUP20210323-03232021	FD	03/23/21	SVOC	Phenanthrene	85-01-8	T		U	6.10E-05	6.0E-01		1.2E-01	
TW-05	TW-05-03232021	N	03/23/21	SVOC	Phenanthrene	85-01-8	T		U	6.30E-05	6.0E-01		1.2E-01	
TW-05	410-33562-1_DUP20210323	FD	03/23/21	SVOC	Pyrene	129-00-0	T	1.20E-03		1.00E-04	6.0E-01	2.0E-03	1.2E-01	1.0E-02
TW-05	410-33562-1_TW-05	N	03/23/21	SVOC	Pyrene	129-00-0	T	2.60E-03		1.00E-04	6.0E-01	4.3E-03	1.2E-01	2.2E-02
TW-05	DUP20210323-03232021	FD	03/23/21	SVOC	Pyrene	129-00-0	T	1.20E-03		4.10E-05	6.0E-01	2.0E-03	1.2E-01	1.0E-02
TW-05	TW-05-03232021	N	03/23/21	SVOC	Pyrene	129-00-0	T	2.60E-03		4.20E-05	6.0E-01	4.3E-03	1.2E-01	2.2E-02
TW-05	TW05-210521	N	05/21/21	VOC	Benzene	71-43-2	T		U	2.00E-04	5.0E-03		4.6E-03	
TW-05	TW05-210521	N	05/21/21	VOC	1,2-Dibromoethane	106-93-4	T		U	3.00E-04	5.0E-05		7.5E-05	
TW-05	TW05-210521	N	05/21/21	VOC	1,2-Dichloroethane	107-06-2	T		U	2.00E-03	5.0E-03		1.7E-03	
TW-05	TW05-210521	N	05/21/21	VOC	Ethyl Benzene	100-41-4	T		U	2.00E-04	7.0E-01		1.5E-02	
TW-05	TW05-210521	N	05/21/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	2.00E-04	4.3E-01		1.4E-01	
TW-05	TW05-210521	N	05/21/21	VOC	tert-Butyl alcohol	75-65-0	T		U	1.00E-02	1.6E+00		1.5E+00	
TW-05	TW05-210521	N	05/21/21	VOC	Toluene	108-88-3	T		U	2.00E-04	1.0E+00		1.1E+00	
TW-05	TW05-210521	N	05/21/21	VOC	Xylenes (total)	1330-20-7	T		U	8.00E-04	1.0E+01		1.9E-01	
TW-05	TW05-210521	N	05/21/21	SVOC	Acenaphthene	83-32-9	T	7.30E-05	J	2.10E-05	1.2E+00	6.1E-05	5.3E-01	1.4E-04
TW-05	TW05-210521	N	05/21/21	SVOC	Acenaphthylene	208-96-8	T		U	2.10E-05	6.0E-01		1.2E-01	
TW-05	TW05-210521	N	05/21/21	SVOC	Anthracene	120-12-7	T		U	2.10E-05	6.0E+00		1.8E+00	
TW-05	TW05-210521	N	05/21/21	SVOC	Benzo(a)anthracene	56-55-3	T		U	2.10E-05	2.5E-03		3.0E-04	
TW-05	TW05-210521	N	05/21/21	SVOC	Benzo(a)pyrene	50-32-8	T		U	2.10E-05	2.0E-04		2.5E-04	
TW-05	TW05-210521	N	05/21/21	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	8.30E-05	2.5E-03		2.5E-03	
TW-05	TW05-210521	N	05/21/21	SVOC	Benzo(e)pyrene	192-97-2	T		U	2.10E-05	1.8E-03		1.8E-03	
TW-05	TW05-210521	N	05/21/21	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	6.20E-05	6.0E-01		1.2E-01	
TW-05	TW05-210521	N	05/21/21	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	2.10E-05	2.5E-02		2.5E-02	
TW-05	TW05-210521	N	05/21/21	SVOC	1,1-Biphenyl	92-52-4	T		U	4.10E-05	9.7E-02		8.3E-04	
TW-05	TW05-210521	N	05/21/21	SVOC	Chrysene	218-01-9	T		U	2.10E-05	2.5E-01		2.5E-01	
TW-05	TW05-210521	N	05/21/21	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	2.10E-05	2.5E-04		2.5E-04	
TW-05	TW05-210521	N	05/21/21	SVOC	Dibenzofuran	132-64-9	T		U	2.10E-05	2.0E-02		7.9E-03	
TW-05	TW05-210521	N	05/21/21	SVOC	Dibenzothiophene	132-65-0	T		U	4.10E-05				
TW-05	TW05-210521	N	05/21/21	SVOC	Fluoranthene	206-44-0	T		U	2.10E-05	8.0E-01		8.0E-01	
TW-05	TW05-210521	N	05/21/21	SVOC	Fluorene	86-73-7	T		U	2.10E-05	8.0E-01		2.9E-01	
TW-05	TW05-210521	N	05/21/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	8.30E-05	2.5E-03		2.5E-03	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-05	TW05-210521	N	05/21/21	SVOC	1-Methylnaphthalene	90-12-0	T		U	2.10E-05	2.7E-02		1.1E-02	
TW-05	TW05-210521	N	05/21/21	SVOC	2-Methylnaphthalene	91-57-6	T		U	6.20E-05	8.0E-02		3.6E-02	
TW-05	TW05-210521	N	05/21/21	SVOC	Naphthalene	91-20-3	T		U	6.20E-05	6.5E-03		1.2E-03	
TW-05	TW05-210521	N	05/21/21	SVOC	Perylene	198-55-0	T		U	4.10E-05				
TW-05	TW05-210521	N	05/21/21	SVOC	Phenanthrene	85-01-8	T		U	6.20E-05	6.0E-01		1.2E-01	
TW-05	TW05-210521	N	05/21/21	SVOC	Pyrene	129-00-0	T	2.30E-04		4.10E-05	6.0E-01	3.8E-04	1.2E-01	1.9E-03
TW-05	HRP-TW05-211102	N	11/02/21	SVOC	Naphthalene	91-20-3	T		U	6.40E-04	6.5E-03		1.2E-03	
TW-05	HRP-TW-05-220504	N	05/04/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
TW-05	HRP-TW05-221018	N	10/18/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
TW-06	PRG24_TW-06	N	02/18/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-06	TW-06_02/18/20	N	02/18/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-06	PRG24_TW-06	N	02/18/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-06	TW-06_02/18/20	N	02/18/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-06	PRG24_TW-06	N	02/18/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-06	TW-06_02/18/20	N	02/18/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-06	PRG24_TW-06	N	02/18/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-06	TW-06_02/18/20	N	02/18/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-06	PRG24_TW-06	N	02/18/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-06	TW-06_02/18/20	N	02/18/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-06	PRG24_TW-06	N	02/18/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-06	TW-06_02/18/20	N	02/18/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-06	PRG24_TW-06	N	02/18/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-06	TW-06_02/18/20	N	02/18/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-06	PRG24_TW-06	N	02/18/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-06	TW-06_02/18/20	N	02/18/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-06	PRG24_TW-06	N	02/18/20	SVOC	Acenaphthene	83-32-9	T	4.00E-04		2.00E-04	1.2E+00	3.3E-04	5.3E-01	7.5E-04
TW-06	TW-06_02/18/20	N	02/18/20	SVOC	Acenaphthene	83-32-9	T	4.00E-04		2.00E-04	1.2E+00	3.3E-04	5.3E-01	7.5E-04
TW-06	PRG24_TW-06	N	02/18/20	SVOC	Acenaphthylene	208-96-8	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-06	TW-06_02/18/20	N	02/18/20	SVOC	Acenaphthylene	208-96-8	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-06	PRG24_TW-06	N	02/18/20	SVOC	Anthracene	120-12-7	T		U	2.00E-04	6.0E+00		1.8E+00	
TW-06	TW-06_02/18/20	N	02/18/20	SVOC	Anthracene	120-12-7	T		U	2.00E-04	6.0E+00		1.8E+00	
TW-06	PRG24_TW-06	N	02/18/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	2.00E-04	2.5E-03		3.0E-04	
TW-06	TW-06_02/18/20	N	02/18/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	2.00E-04	2.5E-03		3.0E-04	
TW-06	PRG24_TW-06	N	02/18/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	2.00E-04	2.0E-04		2.5E-04	
TW-06	TW-06_02/18/20	N	02/18/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	2.00E-04	2.0E-04		2.5E-04	
TW-06	PRG24_TW-06	N	02/18/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	4.00E-04	2.5E-03		2.5E-03	
TW-06	TW-06_02/18/20	N	02/18/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	4.00E-04	2.5E-03		2.5E-03	
TW-06	PRG24_TW-06	N	02/18/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	2.00E-04	1.8E-03		1.8E-03	
TW-06	TW-06_02/18/20	N	02/18/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	2.00E-04	1.8E-03		1.8E-03	
TW-06	PRG24_TW-06	N	02/18/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	3.00E-04	6.0E-01		1.2E-01	
TW-06	TW-06_02/18/20	N	02/18/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	3.00E-04	6.0E-01		1.2E-01	
TW-06	PRG24_TW-06	N	02/18/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	2.00E-04	2.5E-02		2.5E-02	
TW-06	TW-06_02/18/20	N	02/18/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	2.00E-04	2.5E-02		2.5E-02	
TW-06	PRG24_TW-06	N	02/18/20	SVOC	1,1-Biphenyl	92-52-4	T	3.00E-04		2.00E-04	9.7E-02	3.1E-03	8.3E-04	3.6E-01

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-06	TW-06_02/18/20	N	02/18/20	SVOC	1,1-Biphenyl	92-52-4	T	3.00E-04		2.00E-04	9.7E-02	3.1E-03	8.3E-04	3.6E-01
TW-06	PRG24_TW-06	N	02/18/20	SVOC	Chrysene	218-01-9	T		U	2.00E-04	2.5E-01		2.5E-01	
TW-06	TW-06_02/18/20	N	02/18/20	SVOC	Chrysene	218-01-9	T		U	2.00E-04	2.5E-01		2.5E-01	
TW-06	PRG24_TW-06	N	02/18/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	2.00E-04	2.5E-04		2.5E-04	
TW-06	TW-06_02/18/20	N	02/18/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	2.00E-04	2.5E-04		2.5E-04	
TW-06	PRG24_TW-06	N	02/18/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-04	2.0E-02		7.9E-03	
TW-06	TW-06_02/18/20	N	02/18/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-04	2.0E-02		7.9E-03	
TW-06	PRG24_TW-06	N	02/18/20	SVOC	Fluoranthene	206-44-0	T		U	2.00E-04	8.0E-01		8.0E-01	
TW-06	TW-06_02/18/20	N	02/18/20	SVOC	Fluoranthene	206-44-0	T		U	2.00E-04	8.0E-01		8.0E-01	
TW-06	PRG24_TW-06	N	02/18/20	SVOC	Fluorene	86-73-7	T	5.00E-04		2.00E-04	8.0E-01	6.3E-04	2.9E-01	1.7E-03
TW-06	TW-06_02/18/20	N	02/18/20	SVOC	Fluorene	86-73-7	T	5.00E-04		2.00E-04	8.0E-01	6.3E-04	2.9E-01	1.7E-03
TW-06	PRG24_TW-06	N	02/18/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	4.00E-04	2.5E-03		2.5E-03	
TW-06	TW-06_02/18/20	N	02/18/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	4.00E-04	2.5E-03		2.5E-03	
TW-06	PRG24_TW-06	N	02/18/20	SVOC	1-Methylnaphthalene	90-12-0	T	3.00E-04		2.00E-04	2.7E-02	1.1E-02	1.1E-02	2.7E-02
TW-06	TW-06_02/18/20	N	02/18/20	SVOC	1-Methylnaphthalene	90-12-0	T	3.00E-04		2.00E-04	2.7E-02	1.1E-02	1.1E-02	2.7E-02
TW-06	PRG24_TW-06	N	02/18/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	3.00E-04	8.0E-02		3.6E-02	
TW-06	TW-06_02/18/20	N	02/18/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	3.00E-04	8.0E-02		3.6E-02	
TW-06	PRG24_TW-06	N	02/18/20	SVOC	Naphthalene	91-20-3	T	5.00E-04		4.00E-04	6.5E-03	7.7E-02	1.2E-03	4.2E-01
TW-06	TW-06_02/18/20	N	02/18/20	SVOC	Naphthalene	91-20-3	T	5.00E-04		4.00E-04	6.5E-03	7.7E-02	1.2E-03	4.2E-01
TW-06	PRG24_TW-06	N	02/18/20	SVOC	Perylene	198-55-0	T		U	2.00E-04				
TW-06	TW-06_02/18/20	N	02/18/20	SVOC	Perylene	198-55-0	T		U	2.00E-04				
TW-06	PRG24_TW-06	N	02/18/20	SVOC	Phenanthrene	85-01-8	T	2.00E-04	J	4.00E-04	6.0E-01	3.3E-04	1.2E-01	1.7E-03
TW-06	TW-06_02/18/20	N	02/18/20	SVOC	Phenanthrene	85-01-8	T	2.00E-04	J	4.00E-04	6.0E-01	3.3E-04	1.2E-01	1.7E-03
TW-06	PRG24_TW-06	N	02/18/20	SVOC	Pyrene	129-00-0	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-06	TW-06_02/18/20	N	02/18/20	SVOC	Pyrene	129-00-0	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-06	TW-06_02/18/20	N	02/18/20	INORG	Iron	7439-89-6	T	4.40E+01		5.00E+00	1.4E+01	<b>3.1E+00</b>	1.4E+01	<b>3.1E+00</b>
TW-06	TW-06_02/18/20	N	02/18/20	INORG	Manganese	7439-96-5	T	9.27E-01		1.00E-02	4.8E-01	<b>1.9E+00</b>	4.3E-01	<b>2.2E+00</b>
TW-06	PRG25_DUP20200512	FD	05/12/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-06	PRG25_TW06	N	05/12/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-06	TW-06_05/12/20	N	05/12/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-06	PRG25_DUP20200512	FD	05/12/20	VOC	1,2-Dibromoethane	106-93-4	T	4.00E-04	J	1.00E-03	5.0E-05	<b>8.0E+00</b>	7.5E-05	<b>5.3E+00</b>
TW-06	PRG25_TW06	N	05/12/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-06	TW-06_05/12/20	N	05/12/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-06	PRG25_DUP20200512	FD	05/12/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-06	PRG25_TW06	N	05/12/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-06	TW-06_05/12/20	N	05/12/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-06	PRG25_DUP20200512	FD	05/12/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-06	PRG25_TW06	N	05/12/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-06	TW-06_05/12/20	N	05/12/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-06	PRG25_DUP20200512	FD	05/12/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-06	PRG25_TW06	N	05/12/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-06	TW-06_05/12/20	N	05/12/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-06	PRG25_DUP20200512	FD	05/12/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-06	PRG25_TW06	N	05/12/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-06	TW-06_05/12/20	N	05/12/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-06	PRG25_DUP20200512	FD	05/12/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-06	PRG25_TW06	N	05/12/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-06	TW-06_05/12/20	N	05/12/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-06	PRG25_DUP20200512	FD	05/12/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-06	PRG25_TW06	N	05/12/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-06	TW-06_05/12/20	N	05/12/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-06	PRG25_DUP20200512	FD	05/12/20	SVOC	Acenaphthene	83-32-9	T	9.00E-04		1.00E-04	1.2E+00	7.5E-04	5.3E-01	1.7E-03
TW-06	PRG25_TW06	N	05/12/20	SVOC	Acenaphthene	83-32-9	T	1.00E-03		1.00E-04	1.2E+00	8.3E-04	5.3E-01	1.9E-03
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Acenaphthene	83-32-9	T	1.00E-03		1.00E-04	1.2E+00	8.3E-04	5.3E-01	1.9E-03
TW-06	PRG25_DUP20200512	FD	05/12/20	SVOC	Acenaphthylene	208-96-8	T	7.00E-05	J	1.00E-04	6.0E-01	1.2E-04	1.2E-01	5.8E-04
TW-06	PRG25_TW06	N	05/12/20	SVOC	Acenaphthylene	208-96-8	T	8.00E-05	J	1.00E-04	6.0E-01	1.3E-04	1.2E-01	6.7E-04
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Acenaphthylene	208-96-8	T	8.00E-05	J	1.00E-04	6.0E-01	1.3E-04	1.2E-01	6.7E-04
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Acetophenone	98-86-2	T		U	1.00E-02	2.0E+00		1.9E+00	
TW-06	PRG25_DUP20200512	FD	05/12/20	SVOC	Anthracene	120-12-7	T	1.00E-04	J	1.00E-04	6.0E+00	1.7E-05	1.8E+00	5.6E-05
TW-06	PRG25_TW06	N	05/12/20	SVOC	Anthracene	120-12-7	T	1.00E-04		1.00E-04	6.0E+00	1.7E-05	1.8E+00	5.6E-05
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Anthracene	120-12-7	T	1.00E-04		1.00E-04	6.0E+00	1.7E-05	1.8E+00	5.6E-05
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Atrazine	1912-24-9	T		U	5.00E-03	3.0E-03		3.0E-03	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Benzaldehyde	100-52-7	T		U	1.00E-02	1.9E-01		1.9E-01	
TW-06	PRG25_DUP20200512	FD	05/12/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	1.00E-04	2.5E-03		3.0E-04	
TW-06	PRG25_TW06	N	05/12/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	1.00E-04	2.5E-03		3.0E-04	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	1.00E-04	2.5E-03		3.0E-04	
TW-06	PRG25_DUP20200512	FD	05/12/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	1.00E-04	2.0E-04		2.5E-04	
TW-06	PRG25_TW06	N	05/12/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	1.00E-04	2.0E-04		2.5E-04	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	1.00E-04	2.0E-04		2.5E-04	
TW-06	PRG25_DUP20200512	FD	05/12/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	2.00E-04	2.5E-03		2.5E-03	
TW-06	PRG25_TW06	N	05/12/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	2.00E-04	2.5E-03		2.5E-03	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	2.00E-04	2.5E-03		2.5E-03	
TW-06	PRG25_DUP20200512	FD	05/12/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	1.00E-04	1.8E-03		1.8E-03	
TW-06	PRG25_TW06	N	05/12/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	1.00E-04	1.8E-03		1.8E-03	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	1.00E-04	1.8E-03		1.8E-03	
TW-06	PRG25_DUP20200512	FD	05/12/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-06	PRG25_TW06	N	05/12/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-06	PRG25_DUP20200512	FD	05/12/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	1.00E-04	2.5E-02		2.5E-02	
TW-06	PRG25_TW06	N	05/12/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	1.00E-04	2.5E-02		2.5E-02	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	1.00E-04	2.5E-02		2.5E-02	
TW-06	PRG25_DUP20200512	FD	05/12/20	SVOC	1,1-Biphenyl	92-52-4	T	7.00E-04		1.00E-04	9.7E-02	7.2E-03	8.3E-04	8.4E-01
TW-06	PRG25_TW06	N	05/12/20	SVOC	1,1-Biphenyl	92-52-4	T	7.00E-04		1.00E-04	9.7E-02	7.2E-03	8.3E-04	8.4E-01
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	1,1-Biphenyl	92-52-4	T	7.00E-04		1.00E-04	9.7E-02	7.2E-03	8.3E-04	8.4E-01
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	2.00E-03	6.0E-02		5.9E-02	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	2.00E-03	7.1E-04		1.4E-04	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.10E-02	6.0E-03		5.6E-02	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	2.00E-03				

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Butylbenzylphthalate	85-68-7	T		U	5.00E-03	4.1E-01		1.6E-01	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Caprolactam	105-60-2	T		U	1.10E-02	1.0E+01		9.9E+00	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Carbazole	86-74-8	T		U	2.00E-03	8.0E-01		2.9E-01	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	4.00E-03	2.0E+00		1.4E+00	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	4-Chloroaniline	106-47-8	T		U	1.00E-02	3.9E-03		3.7E-03	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-03	1.6E+00		7.5E-01	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	2-Chlorophenol	95-57-8	T		U	2.00E-03	1.0E-01		9.1E-02	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	2.00E-03				
TW-06	PRG25_DUP20200512	FD	05/12/20	SVOC	Chrysene	218-01-9	T		U	1.00E-04	2.5E-01		2.5E-01	
TW-06	PRG25_TW06	N	05/12/20	SVOC	Chrysene	218-01-9	T		U	1.00E-04	2.5E-01		2.5E-01	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Chrysene	218-01-9	T		U	1.00E-04	2.5E-01		2.5E-01	
TW-06	PRG25_DUP20200512	FD	05/12/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	1.00E-04	2.5E-04		2.5E-04	
TW-06	PRG25_TW06	N	05/12/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	1.00E-04	2.5E-04		2.5E-04	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	1.00E-04	2.5E-04		2.5E-04	
TW-06	PRG25_DUP20200512	FD	05/12/20	SVOC	Dibenzofuran	132-64-9	T	2.00E-04		1.00E-04	2.0E-02	1.0E-02	7.9E-03	2.5E-02
TW-06	PRG25_TW06	N	05/12/20	SVOC	Dibenzofuran	132-64-9	T	2.00E-04		1.00E-04	2.0E-02	1.0E-02	7.9E-03	2.5E-02
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Dibenzofuran	132-64-9	T	2.00E-04		1.00E-04	2.0E-02	1.0E-02	7.9E-03	2.5E-02
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.00E-02	1.7E-03		1.3E-03	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	2,4-Dichlorophenol	120-83-2	T		U	2.00E-03	6.0E-02		4.6E-02	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Diethylphthalate	84-66-2	T		U	5.00E-03	1.6E+01		1.5E+01	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.00E-02	4.0E-01		3.6E-01	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Dimethylphthalate	131-11-3	T		U	5.00E-03	1.6E+01		1.5E+01	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Di-n-butylphthalate	84-74-2	T		U	5.00E-03	2.0E+00		9.0E-01	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	2.10E-02	1.6E-03		1.5E-03	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	2,4-Dinitrophenol	51-28-5	T		U	3.00E-02	4.0E-02		3.9E-02	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.10E-02	2.0E-01		2.0E-01	
TW-06	PRG25_DUP20200512	FD	05/12/20	SVOC	Fluoranthene	206-44-0	T	5.00E-05	J	1.00E-04	8.0E-01	6.3E-05	8.0E-01	6.3E-05
TW-06	PRG25_TW06	N	05/12/20	SVOC	Fluoranthene	206-44-0	T		U	1.00E-04	8.0E-01		8.0E-01	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Fluoranthene	206-44-0	T		U	1.00E-04	8.0E-01		8.0E-01	
TW-06	PRG25_DUP20200512	FD	05/12/20	SVOC	Fluorene	86-73-7	T	8.00E-04		1.00E-04	8.0E-01	1.0E-03	2.9E-01	2.8E-03
TW-06	PRG25_TW06	N	05/12/20	SVOC	Fluorene	86-73-7	T	9.00E-04		1.00E-04	8.0E-01	1.1E-03	2.9E-01	3.1E-03
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Fluorene	86-73-7	T	9.00E-04		1.00E-04	8.0E-01	1.1E-03	2.9E-01	3.1E-03
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Hexachlorobenzene	118-74-1	T		U	5.00E-04	1.0E-03		9.8E-05	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Hexachlorobutadiene	87-68-3	T		U	2.00E-03	1.0E-02		1.4E-03	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.10E-02	5.0E-02		4.1E-04	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Hexachloroethane	67-72-1	T		U	5.00E-03	1.4E-02		3.3E-03	
TW-06	PRG25_DUP20200512	FD	05/12/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	2.00E-04	2.5E-03		2.5E-03	
TW-06	PRG25_TW06	N	05/12/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	2.00E-04	2.5E-03		2.5E-03	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	2.00E-04	2.5E-03		2.5E-03	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Isophorone	78-59-1	T		U	2.00E-03	8.2E-01		7.8E-01	
TW-06	PRG25_DUP20200512	FD	05/12/20	SVOC	1-Methylnaphthalene	90-12-0	T	5.00E-04		1.00E-04	2.7E-02	1.9E-02	1.1E-02	4.5E-02
TW-06	PRG25_TW06	N	05/12/20	SVOC	1-Methylnaphthalene	90-12-0	T	5.00E-04		1.00E-04	2.7E-02	1.9E-02	1.1E-02	4.5E-02
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	1-Methylnaphthalene	90-12-0	T	5.00E-04		1.00E-04	2.7E-02	1.9E-02	1.1E-02	4.5E-02
TW-06	PRG25_DUP20200512	FD	05/12/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	1.00E-04	8.0E-02		3.6E-02	



**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-06	PRG25_TW06	N	05/12/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	1.00E-04	8.0E-02		3.6E-02	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	1.00E-04	8.0E-02		3.6E-02	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	2-Methylphenol	95-48-7	T		U	2.00E-03	1.0E+00		9.3E-01	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	4-Methylphenol	106-44-5	T		U	2.00E-03	4.0E-01		3.7E-01	
TW-06	PRG25_DUP20200512	FD	05/12/20	SVOC	Naphthalene	91-20-3	T	4.00E-04		2.00E-04	6.5E-03	6.2E-02	1.2E-03	3.3E-01
TW-06	PRG25_TW06	N	05/12/20	SVOC	Naphthalene	91-20-3	T	4.00E-04		2.00E-04	6.5E-03	6.2E-02	1.2E-03	3.3E-01
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Naphthalene	91-20-3	T	4.00E-04		2.00E-04	6.5E-03	6.2E-02	1.2E-03	3.3E-01
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	2-Nitroaniline	88-74-4	T		U	7.00E-03	2.0E-01		1.9E-01	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	3-Nitroaniline	99-09-2	T		U	7.00E-03	3.9E-02		3.8E-02	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	4-Nitroaniline	100-01-6	T		U	3.00E-03	3.9E-02		3.8E-02	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	2-Nitrophenol	88-75-5	T		U	1.00E-02				
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	4-Nitrophenol	100-02-7	T		U	3.00E-02				
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	3.00E-03	1.6E-01		1.2E-01	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	3.00E-03	1.1E-04		1.1E-04	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	2.00E-03	8.0E-01		7.1E-01	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Pentachlorophenol	87-86-5	T		U	5.00E-03	1.0E-03		4.1E-04	
TW-06	PRG25_DUP20200512	FD	05/12/20	SVOC	Perylene	198-55-0	T		U	1.00E-04				
TW-06	PRG25_TW06	N	05/12/20	SVOC	Perylene	198-55-0	T		U	1.00E-04				
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Perylene	198-55-0	T		U	1.00E-04				
TW-06	PRG25_DUP20200512	FD	05/12/20	SVOC	Phenanthrene	85-01-8	T	2.00E-04		2.00E-04	6.0E-01	3.3E-04	1.2E-01	1.7E-03
TW-06	PRG25_TW06	N	05/12/20	SVOC	Phenanthrene	85-01-8	T	2.00E-04		2.00E-04	6.0E-01	3.3E-04	1.2E-01	1.7E-03
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Phenanthrene	85-01-8	T	3.00E-04	J	5.00E-04	6.0E-01	5.0E-04	1.2E-01	2.5E-03
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Phenol	108-95-2	T		U	2.00E-03	6.0E+00		5.8E+00	
TW-06	PRG25_DUP20200512	FD	05/12/20	SVOC	Pyrene	129-00-0	T	1.00E-04	J	1.00E-04	6.0E-01	1.7E-04	1.2E-01	8.3E-04
TW-06	PRG25_TW06	N	05/12/20	SVOC	Pyrene	129-00-0	T	1.00E-04		1.00E-04	6.0E-01	1.7E-04	1.2E-01	8.3E-04
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Pyrene	129-00-0	T	1.00E-04		1.00E-04	6.0E-01	1.7E-04	1.2E-01	8.3E-04
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	2.00E-03	2.0E+00		1.2E+00	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	2.00E-03	2.0E-02		1.2E-02	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	5.00E-03	2.5E-03		2.4E-03	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	2.00E-03	5.2E-04		4.9E-04	
TW-06	TW-06_05/12/20	N	05/12/20	SVOC	Nitrobenzene	98-95-3	T		U	2.00E-03	4.0E-02		1.4E-03	
TW-06	TW-06_05/12/20	N	05/12/20	INORG	Antimony	7440-36-0	T		U	5.00E-02	6.0E-03		7.8E-03	
TW-06	TW-06_05/12/20	N	05/12/20	INORG	Arsenic	7440-38-2	T		U	3.00E-02	1.0E-02		5.2E-04	
TW-06	TW-06_05/12/20	N	05/12/20	INORG	Barium	7440-39-3	T	4.16E-02		5.00E-03	2.0E+00	2.1E-02	3.8E+00	1.1E-02
TW-06	TW-06_05/12/20	N	05/12/20	INORG	Beryllium	7440-41-7	T		U	5.00E-03	4.0E-03		2.5E-02	
TW-06	TW-06_05/12/20	N	05/12/20	INORG	Cadmium	7440-43-9	T		U	5.00E-03	5.0E-03		1.8E-03	
TW-06	TW-06_05/12/20	N	05/12/20	INORG	Chromium (total)	7440-47-3	T		U	1.50E-02	1.0E-01		2.2E+01	
TW-06	TW-06_05/12/20	N	05/12/20	INORG	Cobalt	7440-48-4	T	6.60E-03		5.00E-03	6.0E-03	1.1E+00	6.0E-03	1.1E+00
TW-06	TW-06_05/12/20	N	05/12/20	INORG	Copper	7440-50-8	T		U	2.00E-02	1.3E+00		8.0E-01	
TW-06	TW-06_05/12/20	N	05/12/20	INORG	Iron	7439-89-6	T	5.40E+01		5.00E+00	1.4E+01	3.9E+00	1.4E+01	3.9E+00
TW-06	TW-06_05/12/20	N	05/12/20	INORG	Lead	7439-92-1	T		U	1.50E-02	1.5E-02		1.5E-02	
TW-06	TW-06_05/12/20	N	05/12/20	INORG	Manganese	7439-96-5	T	9.94E-01		1.00E-02	4.8E-01	2.1E+00	4.3E-01	2.3E+00
TW-06	TW-06_05/12/20	N	05/12/20	INORG	Mercury	7439-97-6	T		U	2.00E-04	2.0E-03		5.7E-04	
TW-06	TW-06_05/12/20	N	05/12/20	INORG	Molybdenum	7439-98-7	T		U	1.00E-02	1.0E-01		1.0E-01	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-06	TW-06_05/12/20	N	05/12/20	INORG	Nickel	7440-02-0	T	8.30E-03	J	1.00E-02	4.0E-01	2.1E-02	3.9E-01	2.1E-02
TW-06	TW-06_05/12/20	N	05/12/20	INORG	Selenium	7782-49-2	T		U	5.00E-02	5.0E-02		1.0E-01	
TW-06	TW-06_05/12/20	N	05/12/20	INORG	Silver	7440-22-4	T		U	1.00E-02	1.0E-01		9.4E-02	
TW-06	TW-06_05/12/20	N	05/12/20	INORG	Thallium	7440-28-0	T		U	3.00E-02	2.0E-03		2.0E-04	
TW-06	TW-06_05/12/20	N	05/12/20	INORG	Vanadium	7440-62-2	T		U	1.00E-02	1.0E-01		8.6E-02	
TW-06	TW-06_05/12/20	N	05/12/20	INORG	Zinc	7440-66-6	T	2.25E-01		2.00E-02	6.0E+00	3.8E-02	6.0E+00	3.8E-02
TW-06	TW-06_08/10/20	N	08/10/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-06	TW-06_08/10/20	N	08/10/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-06	TW-06_08/10/20	N	08/10/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-06	TW-06_08/10/20	N	08/10/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-06	TW-06_08/10/20	N	08/10/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-06	TW-06_08/10/20	N	08/10/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-06	TW-06_08/10/20	N	08/10/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-06	TW-06_08/10/20	N	08/10/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-06	TW-06_08/10/20	N	08/10/20	SVOC	Acenaphthene	83-32-9	T		U	1.00E-04	1.2E+00		5.3E-01	
TW-06	TW-06_08/10/20	N	08/10/20	SVOC	Acenaphthylene	208-96-8	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-06	TW-06_08/10/20	N	08/10/20	SVOC	Anthracene	120-12-7	T		U	1.00E-04	6.0E+00		1.8E+00	
TW-06	TW-06_08/10/20	N	08/10/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	1.00E-04	2.5E-03		3.0E-04	
TW-06	TW-06_08/10/20	N	08/10/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	1.00E-04	2.0E-04		2.5E-04	
TW-06	TW-06_08/10/20	N	08/10/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	1.80E-04	2.5E-03		2.5E-03	
TW-06	TW-06_08/10/20	N	08/10/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	1.00E-04	1.8E-03		1.8E-03	
TW-06	TW-06_08/10/20	N	08/10/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	1.40E-04	6.0E-01		1.2E-01	
TW-06	TW-06_08/10/20	N	08/10/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	1.00E-04	2.5E-02		2.5E-02	
TW-06	TW-06_08/10/20	N	08/10/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-04	9.7E-02		8.3E-04	
TW-06	TW-06_08/10/20	N	08/10/20	SVOC	Chrysene	218-01-9	T		U	1.00E-04	2.5E-01		2.5E-01	
TW-06	TW-06_08/10/20	N	08/10/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	1.00E-04	2.5E-04		2.5E-04	
TW-06	TW-06_08/10/20	N	08/10/20	SVOC	Dibenzofuran	132-64-9	T		U	1.00E-04	2.0E-02		7.9E-03	
TW-06	TW-06_08/10/20	N	08/10/20	SVOC	Fluoranthene	206-44-0	T		U	1.00E-04	8.0E-01		8.0E-01	
TW-06	TW-06_08/10/20	N	08/10/20	SVOC	Fluorene	86-73-7	T		U	1.00E-04	8.0E-01		2.9E-01	
TW-06	TW-06_08/10/20	N	08/10/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	1.80E-04	2.5E-03		2.5E-03	
TW-06	TW-06_08/10/20	N	08/10/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	1.00E-04	2.7E-02		1.1E-02	
TW-06	TW-06_08/10/20	N	08/10/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	1.40E-04	8.0E-02		3.6E-02	
TW-06	TW-06_08/10/20	N	08/10/20	SVOC	Naphthalene	91-20-3	T		U	1.60E-04	6.5E-03		1.2E-03	
TW-06	TW-06_08/10/20	N	08/10/20	SVOC	Perylene	198-55-0	T		U	1.00E-04				
TW-06	TW-06_08/10/20	N	08/10/20	SVOC	Phenanthrene	85-01-8	T		U	1.60E-04	6.0E-01		1.2E-01	
TW-06	TW-06_08/10/20	N	08/10/20	SVOC	Pyrene	129-00-0	T	2.60E-04		1.00E-04	6.0E-01	4.3E-04	1.2E-01	2.2E-03
TW-06	TW-06-GRAB_08102020	N	08/10/20	INORG	Iron	7439-89-6	T	5.30E+01	HF	2.50E+00	1.4E+01	3.8E+00	1.4E+01	3.8E+00
TW-06	TW-06-GRAB_08102020	N	08/10/20	INORG	Manganese	7439-96-5	T	8.80E-01		1.00E-02	4.8E-01	1.8E+00	4.3E-01	2.0E+00
TW-06	410-12267-2383.2_DUP20201208	FD	12/08/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-06	410-12267-2383.2_TW06	N	12/08/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-06	TW06-12082020	N	12/08/20	VOC	Benzene	71-43-2	T		U	2.00E-04	5.0E-03		4.6E-03	
TW-06	410-12267-2383.2_DUP20201208	FD	12/08/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-06	410-12267-2383.2_TW06	N	12/08/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-06	TW06-12082020	N	12/08/20	VOC	1,2-Dibromoethane	106-93-4	T		U	3.00E-04	5.0E-05		7.5E-05	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-06	410-12267-2383.2_DUP20201208	FD	12/08/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-06	410-12267-2383.2_TW06	N	12/08/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-06	TW06-12082020	N	12/08/20	VOC	1,2-Dichloroethane	107-06-2	T		U	2.00E-03	5.0E-03		1.7E-03	
TW-06	410-12267-2383.2_DUP20201208	FD	12/08/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-06	410-12267-2383.2_TW06	N	12/08/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-06	TW06-12082020	N	12/08/20	VOC	Ethyl Benzene	100-41-4	T		U	2.00E-04	7.0E-01		1.5E-02	
TW-06	410-12267-2383.2_DUP20201208	FD	12/08/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-06	410-12267-2383.2_TW06	N	12/08/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-06	TW06-12082020	N	12/08/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	2.00E-04	4.3E-01		1.4E-01	
TW-06	410-12267-2383.2_DUP20201208	FD	12/08/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-06	410-12267-2383.2_TW06	N	12/08/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-06	TW06-12082020	N	12/08/20	VOC	tert-Butyl alcohol	75-65-0	T		U	1.00E-02	1.6E+00		1.5E+00	
TW-06	410-12267-2383.2_DUP20201208	FD	12/08/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-06	410-12267-2383.2_TW06	N	12/08/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-06	TW06-12082020	N	12/08/20	VOC	Toluene	108-88-3	T		U	2.00E-04	1.0E+00		1.1E+00	
TW-06	410-12267-2383.2_DUP20201208	FD	12/08/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-06	410-12267-2383.2_TW06	N	12/08/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-06	TW06-12082020	N	12/08/20	VOC	Xylenes (total)	1330-20-7	T		U	8.00E-04	1.0E+01		1.9E-01	
TW-06	410-12267-2383.2_DUP20201208	FD	12/08/20	SVOC	Acenaphthene	83-32-9	T	6.20E-05	J	1.10E-04	1.2E+00	5.2E-05	5.3E-01	1.2E-04
TW-06	410-12267-2383.2_TW06	N	12/08/20	SVOC	Acenaphthene	83-32-9	T	3.60E-05	J	1.10E-04	1.2E+00	3.0E-05	5.3E-01	6.8E-05
TW-06	TW06-12082020	N	12/08/20	SVOC	Acenaphthene	83-32-9	T	3.60E-05	J	2.10E-05	1.2E+00	3.0E-05	5.3E-01	6.8E-05
TW-06	410-12267-2383.2_DUP20201208	FD	12/08/20	SVOC	Acenaphthylene	208-96-8	T		U	1.10E-04	6.0E-01		1.2E-01	
TW-06	410-12267-2383.2_TW06	N	12/08/20	SVOC	Acenaphthylene	208-96-8	T		U	1.10E-04	6.0E-01		1.2E-01	
TW-06	TW06-12082020	N	12/08/20	SVOC	Acenaphthylene	208-96-8	T		U	2.10E-05	6.0E-01		1.2E-01	
TW-06	410-12267-2383.2_DUP20201208	FD	12/08/20	SVOC	Anthracene	120-12-7	T	6.80E-05	J	1.10E-04	6.0E+00	1.1E-05	1.8E+00	3.8E-05
TW-06	410-12267-2383.2_TW06	N	12/08/20	SVOC	Anthracene	120-12-7	T		U	1.10E-04	6.0E+00		1.8E+00	
TW-06	TW06-12082020	N	12/08/20	SVOC	Anthracene	120-12-7	T		U	2.10E-05	6.0E+00		1.8E+00	
TW-06	410-12267-2383.2_DUP20201208	FD	12/08/20	SVOC	Benzo(a)anthracene	56-55-3	T	6.00E-05	J	1.10E-04	2.5E-03	2.4E-02	3.0E-04	2.0E-01
TW-06	410-12267-2383.2_TW06	N	12/08/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	1.10E-04	2.5E-03		3.0E-04	
TW-06	TW06-12082020	N	12/08/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	2.10E-05	2.5E-03		3.0E-04	
TW-06	410-12267-2383.2_DUP20201208	FD	12/08/20	SVOC	Benzo(a)pyrene	50-32-8	T	6.40E-05	J	1.10E-04	2.0E-04	3.2E-01	2.5E-04	2.6E-01
TW-06	410-12267-2383.2_TW06	N	12/08/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	1.10E-04	2.0E-04		2.5E-04	
TW-06	TW06-12082020	N	12/08/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	2.10E-05	2.0E-04		2.5E-04	
TW-06	410-12267-2383.2_DUP20201208	FD	12/08/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	1.90E-04	2.5E-03		2.5E-03	
TW-06	410-12267-2383.2_TW06	N	12/08/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	1.90E-04	2.5E-03		2.5E-03	
TW-06	TW06-12082020	N	12/08/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	8.40E-05	2.5E-03		2.5E-03	
TW-06	410-12267-2383.2_DUP20201208	FD	12/08/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	1.10E-04	1.8E-03		1.8E-03	
TW-06	410-12267-2383.2_TW06	N	12/08/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	1.10E-04	1.8E-03		1.8E-03	
TW-06	TW06-12082020	N	12/08/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	2.10E-05	1.8E-03		1.8E-03	
TW-06	410-12267-2383.2_DUP20201208	FD	12/08/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	1.50E-04	6.0E-01		1.2E-01	
TW-06	410-12267-2383.2_TW06	N	12/08/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	1.50E-04	6.0E-01		1.2E-01	
TW-06	TW06-12082020	N	12/08/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	6.30E-05	6.0E-01		1.2E-01	
TW-06	410-12267-2383.2_DUP20201208	FD	12/08/20	SVOC	Benzo(k)fluoranthene	207-08-9	T	4.70E-05	J	1.10E-04	2.5E-02	1.9E-03	2.5E-02	1.9E-03
TW-06	410-12267-2383.2_TW06	N	12/08/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	1.10E-04	2.5E-02		2.5E-02	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-06	TW06-12082020	N	12/08/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	2.10E-05	2.5E-02		2.5E-02	
TW-06	410-12267-2383.2_DUP20201208	FD	12/08/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.10E-04	9.7E-02		8.3E-04	
TW-06	410-12267-2383.2_TW06	N	12/08/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.10E-04	9.7E-02		8.3E-04	
TW-06	TW06-12082020	N	12/08/20	SVOC	1,1-Biphenyl	92-52-4	T		U	4.20E-05	9.7E-02		8.3E-04	
TW-06	410-12267-2383.2_DUP20201208	FD	12/08/20	SVOC	Chrysene	218-01-9	T	6.20E-05	J	1.10E-04	2.5E-01	2.5E-04	2.5E-01	2.5E-04
TW-06	410-12267-2383.2_TW06	N	12/08/20	SVOC	Chrysene	218-01-9	T		U	1.10E-04	2.5E-01		2.5E-01	
TW-06	TW06-12082020	N	12/08/20	SVOC	Chrysene	218-01-9	T		U	2.10E-05	2.5E-01		2.5E-01	
TW-06	410-12267-2383.2_DUP20201208	FD	12/08/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T	4.40E-05	J	1.10E-04	2.5E-04	1.8E-01	2.5E-04	1.8E-01
TW-06	410-12267-2383.2_TW06	N	12/08/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	1.10E-04	2.5E-04		2.5E-04	
TW-06	TW06-12082020	N	12/08/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	2.10E-05	2.5E-04		2.5E-04	
TW-06	410-12267-2383.2_DUP20201208	FD	12/08/20	SVOC	Dibenzofuran	132-64-9	T	4.30E-05	J	1.10E-04	2.0E-02	2.2E-03	7.9E-03	5.4E-03
TW-06	410-12267-2383.2_TW06	N	12/08/20	SVOC	Dibenzofuran	132-64-9	T		U	1.10E-04	2.0E-02		7.9E-03	
TW-06	TW06-12082020	N	12/08/20	SVOC	Dibenzofuran	132-64-9	T		U	2.10E-05	2.0E-02		7.9E-03	
TW-06	410-12267-2383.2_DUP20201208	FD	12/08/20	SVOC	Fluoranthene	206-44-0	T	6.90E-05	J	1.10E-04	8.0E-01	8.6E-05	8.0E-01	8.6E-05
TW-06	410-12267-2383.2_TW06	N	12/08/20	SVOC	Fluoranthene	206-44-0	T		U	1.10E-04	8.0E-01		8.0E-01	
TW-06	TW06-12082020	N	12/08/20	SVOC	Fluoranthene	206-44-0	T		U	2.10E-05	8.0E-01		8.0E-01	
TW-06	410-12267-2383.2_DUP20201208	FD	12/08/20	SVOC	Fluorene	86-73-7	T	6.30E-05	J	1.10E-04	8.0E-01	7.9E-05	2.9E-01	2.2E-04
TW-06	410-12267-2383.2_TW06	N	12/08/20	SVOC	Fluorene	86-73-7	T		U	1.10E-04	8.0E-01		2.9E-01	
TW-06	TW06-12082020	N	12/08/20	SVOC	Fluorene	86-73-7	T		U	2.10E-05	8.0E-01		2.9E-01	
TW-06	410-12267-2383.2_DUP20201208	FD	12/08/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	1.90E-04	2.5E-03		2.5E-03	
TW-06	410-12267-2383.2_TW06	N	12/08/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	1.90E-04	2.5E-03		2.5E-03	
TW-06	TW06-12082020	N	12/08/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	8.40E-05	2.5E-03		2.5E-03	
TW-06	410-12267-2383.2_DUP20201208	FD	12/08/20	SVOC	1-Methylnaphthalene	90-12-0	T	2.30E-05	J	1.10E-04	2.7E-02	8.5E-04	1.1E-02	2.1E-03
TW-06	410-12267-2383.2_TW06	N	12/08/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	1.10E-04	2.7E-02		1.1E-02	
TW-06	TW06-12082020	N	12/08/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	2.10E-05	2.7E-02		1.1E-02	
TW-06	410-12267-2383.2_DUP20201208	FD	12/08/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	1.50E-04	8.0E-02		3.6E-02	
TW-06	410-12267-2383.2_TW06	N	12/08/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	1.50E-04	8.0E-02		3.6E-02	
TW-06	TW06-12082020	N	12/08/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	6.30E-05	8.0E-02		3.6E-02	
TW-06	410-12267-2383.2_DUP20201208	FD	12/08/20	SVOC	Naphthalene	91-20-3	T		U	1.70E-04	6.5E-03		1.2E-03	
TW-06	410-12267-2383.2_TW06	N	12/08/20	SVOC	Naphthalene	91-20-3	T		U	1.70E-04	6.5E-03		1.2E-03	
TW-06	TW06-12082020	N	12/08/20	SVOC	Naphthalene	91-20-3	T		U	6.30E-05	6.5E-03		1.2E-03	
TW-06	410-12267-2383.2_DUP20201208	FD	12/08/20	SVOC	Perylene	198-55-0	T		U	1.10E-04				
TW-06	410-12267-2383.2_TW06	N	12/08/20	SVOC	Perylene	198-55-0	T		U	1.10E-04				
TW-06	TW06-12082020	N	12/08/20	SVOC	Perylene	198-55-0	T		U	4.20E-05				
TW-06	410-12267-2383.2_DUP20201208	FD	12/08/20	SVOC	Phenanthrene	85-01-8	T	6.60E-05	J	1.70E-04	6.0E-01	1.1E-04	1.2E-01	5.5E-04
TW-06	410-12267-2383.2_TW06	N	12/08/20	SVOC	Phenanthrene	85-01-8	T		U	1.70E-04	6.0E-01		1.2E-01	
TW-06	TW06-12082020	N	12/08/20	SVOC	Phenanthrene	85-01-8	T		U	6.30E-05	6.0E-01		1.2E-01	
TW-06	410-12267-2383.2_DUP20201208	FD	12/08/20	SVOC	Pyrene	129-00-0	T	1.20E-04	T	1.10E-04	6.0E-01	2.0E-04	1.2E-01	1.0E-03
TW-06	410-12267-2383.2_TW06	N	12/08/20	SVOC	Pyrene	129-00-0	T	7.40E-05	J	1.10E-04	6.0E-01	1.2E-04	1.2E-01	6.2E-04
TW-06	TW06-12082020	N	12/08/20	SVOC	Pyrene	129-00-0	T	7.40E-05	J	4.20E-05	6.0E-01	1.2E-04	1.2E-01	6.2E-04
TW-06	410-33562-1_TW06	N	03/22/21	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-06	TW06-03222021	N	03/22/21	VOC	Benzene	71-43-2	T		U	2.00E-04	5.0E-03		4.6E-03	
TW-06	410-33562-1_TW06	N	03/22/21	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-06	TW06-03222021	N	03/22/21	VOC	1,2-Dibromoethane	106-93-4	T		U	3.00E-04	5.0E-05		7.5E-05	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-06	410-33562-1_TW-06	N	03/22/21	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-06	TW-06-03222021	N	03/22/21	VOC	1,2-Dichloroethane	107-06-2	T		U	2.00E-03	5.0E-03		1.7E-03	
TW-06	410-33562-1_TW-06	N	03/22/21	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-06	TW-06-03222021	N	03/22/21	VOC	Ethyl Benzene	100-41-4	T		U	2.00E-04	7.0E-01		1.5E-02	
TW-06	410-33562-1_TW-06	N	03/22/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-06	TW-06-03222021	N	03/22/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	2.00E-04	4.3E-01		1.4E-01	
TW-06	410-33562-1_TW-06	N	03/22/21	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-06	TW-06-03222021	N	03/22/21	VOC	tert-Butyl alcohol	75-65-0	T		U	1.00E-02	1.6E+00		1.5E+00	
TW-06	410-33562-1_TW-06	N	03/22/21	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-06	TW-06-03222021	N	03/22/21	VOC	Toluene	108-88-3	T		U	2.00E-04	1.0E+00		1.1E+00	
TW-06	410-33562-1_TW-06	N	03/22/21	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-06	TW-06-03222021	N	03/22/21	VOC	Xylenes (total)	1330-20-7	T		U	8.00E-04	1.0E+01		1.9E-01	
TW-06	410-33562-1_TW-06	N	03/22/21	SVOC	Acenaphthene	83-32-9	T	2.10E-04		1.10E-04	1.2E+00	1.8E-04	5.3E-01	4.0E-04
TW-06	TW-06-03222021	N	03/22/21	SVOC	Acenaphthene	83-32-9	T	2.10E-04		2.10E-05	1.2E+00	1.8E-04	5.3E-01	4.0E-04
TW-06	410-33562-1_TW-06	N	03/22/21	SVOC	Acenaphthylene	208-96-8	T		U	1.10E-04	6.0E-01		1.2E-01	
TW-06	TW-06-03222021	N	03/22/21	SVOC	Acenaphthylene	208-96-8	T		U	2.10E-05	6.0E-01		1.2E-01	
TW-06	410-33562-1_TW-06	N	03/22/21	SVOC	Anthracene	120-12-7	T		U	1.10E-04	6.0E+00		1.8E+00	
TW-06	TW-06-03222021	N	03/22/21	SVOC	Anthracene	120-12-7	T		U	2.10E-05	6.0E+00		1.8E+00	
TW-06	410-33562-1_TW-06	N	03/22/21	SVOC	Benzo(a)anthracene	56-55-3	T		U	1.10E-04	2.5E-03		3.0E-04	
TW-06	TW-06-03222021	N	03/22/21	SVOC	Benzo(a)anthracene	56-55-3	T		U	2.10E-05	2.5E-03		3.0E-04	
TW-06	410-33562-1_TW-06	N	03/22/21	SVOC	Benzo(a)pyrene	50-32-8	T		U	1.10E-04	2.0E-04		2.5E-04	
TW-06	TW-06-03222021	N	03/22/21	SVOC	Benzo(a)pyrene	50-32-8	T		U	2.10E-05	2.0E-04		2.5E-04	
TW-06	410-33562-1_TW-06	N	03/22/21	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	1.90E-04	2.5E-03		2.5E-03	
TW-06	TW-06-03222021	N	03/22/21	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	8.50E-05	2.5E-03		2.5E-03	
TW-06	410-33562-1_TW-06	N	03/22/21	SVOC	Benzo(e)pyrene	192-97-2	T		U	1.10E-04	1.8E-03		1.8E-03	
TW-06	TW-06-03222021	N	03/22/21	SVOC	Benzo(e)pyrene	192-97-2	T		U	2.10E-05	1.8E-03		1.8E-03	
TW-06	410-33562-1_TW-06	N	03/22/21	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	1.50E-04	6.0E-01		1.2E-01	
TW-06	TW-06-03222021	N	03/22/21	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	6.40E-05	6.0E-01		1.2E-01	
TW-06	410-33562-1_TW-06	N	03/22/21	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	1.10E-04	2.5E-02		2.5E-02	
TW-06	TW-06-03222021	N	03/22/21	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	2.10E-05	2.5E-02		2.5E-02	
TW-06	410-33562-1_TW-06	N	03/22/21	SVOC	1,1-Biphenyl	92-52-4	T		U	1.10E-04	9.7E-02		8.3E-04	
TW-06	TW-06-03222021	N	03/22/21	SVOC	1,1-Biphenyl	92-52-4	T		U	4.30E-05	9.7E-02		8.3E-04	
TW-06	410-33562-1_TW-06	N	03/22/21	SVOC	Chrysene	218-01-9	T		U	1.10E-04	2.5E-01		2.5E-01	
TW-06	TW-06-03222021	N	03/22/21	SVOC	Chrysene	218-01-9	T		U	2.10E-05	2.5E-01		2.5E-01	
TW-06	410-33562-1_TW-06	N	03/22/21	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	1.10E-04	2.5E-04		2.5E-04	
TW-06	TW-06-03222021	N	03/22/21	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	2.10E-05	2.5E-04		2.5E-04	
TW-06	410-33562-1_TW-06	N	03/22/21	SVOC	Dibenzofuran	132-64-9	T	5.30E-05	J	1.10E-04	2.0E-02	2.7E-03	7.9E-03	6.7E-03

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-06	TW-06-03222021	N	03/22/21	SVOC	Dibenzofuran	132-64-9	T	5.30E-05	J	2.10E-05	2.0E-02	2.7E-03	7.9E-03	6.7E-03
TW-06	410-33562-1_TW-06	N	03/22/21	SVOC	Fluoranthene	206-44-0	T		U	1.10E-04	8.0E-01		8.0E-01	
TW-06	TW-06-03222021	N	03/22/21	SVOC	Fluoranthene	206-44-0	T		U*	2.10E-05	8.0E-01		8.0E-01	
TW-06	410-33562-1_TW-06	N	03/22/21	SVOC	Fluorene	86-73-7	T	2.80E-04		1.10E-04	8.0E-01	3.5E-04	2.9E-01	9.7E-04
TW-06	TW-06-03222021	N	03/22/21	SVOC	Fluorene	86-73-7	T	2.80E-04		2.10E-05	8.0E-01	3.5E-04	2.9E-01	9.7E-04
TW-06	410-33562-1_TW-06	N	03/22/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	1.90E-04	2.5E-03		2.5E-03	
TW-06	TW-06-03222021	N	03/22/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	8.50E-05	2.5E-03		2.5E-03	
TW-06	410-33562-1_TW-06	N	03/22/21	SVOC	1-Methylnaphthalene	90-12-0	T	7.70E-05	J	1.10E-04	2.7E-02	2.9E-03	1.1E-02	7.0E-03
TW-06	TW-06-03222021	N	03/22/21	SVOC	1-Methylnaphthalene	90-12-0	T	7.70E-05	J	2.10E-05	2.7E-02	2.9E-03	1.1E-02	7.0E-03
TW-06	410-33562-1_TW-06	N	03/22/21	SVOC	2-Methylnaphthalene	91-57-6	T		U	1.50E-04	8.0E-02		3.6E-02	
TW-06	TW-06-03222021	N	03/22/21	SVOC	2-Methylnaphthalene	91-57-6	T		U	6.40E-05	8.0E-02		3.6E-02	
TW-06	410-33562-1_TW-06	N	03/22/21	SVOC	Naphthalene	91-20-3	T		U	1.70E-04	6.5E-03		1.2E-03	
TW-06	TW-06-03222021	N	03/22/21	SVOC	Naphthalene	91-20-3	T		U	6.40E-05	6.5E-03		1.2E-03	
TW-06	410-33562-1_TW-06	N	03/22/21	SVOC	Perylene	198-55-0	T		F1	1.10E-04				
TW-06	TW-06-03222021	N	03/22/21	SVOC	Perylene	198-55-0	T		U	4.30E-05				
TW-06	410-33562-1_TW-06	N	03/22/21	SVOC	Phenanthrene	85-01-8	T		U	1.70E-04	6.0E-01		1.2E-01	
TW-06	TW-06-03222021	N	03/22/21	SVOC	Phenanthrene	85-01-8	T		U	6.40E-05	6.0E-01		1.2E-01	
TW-06	410-33562-1_TW-06	N	03/22/21	SVOC	Pyrene	129-00-0	T	1.40E-04		1.10E-04	6.0E-01	2.3E-04	1.2E-01	1.2E-03
TW-06	TW-06-03222021	N	03/22/21	SVOC	Pyrene	129-00-0	T	1.40E-04		4.30E-05	6.0E-01	2.3E-04	1.2E-01	1.2E-03
TW-06	HRP-TW06-211101	N	11/01/21	SVOC	Naphthalene	91-20-3	T		U	6.40E-04	6.5E-03		1.2E-03	
TW-06	HRP-TW-06-220516	N	05/16/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
TW-06	HRP-TW06-221018	N	10/18/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
TW-07	PRG24_TW-07	N	02/17/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-07	TW-07_02/17/20	N	02/17/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-07	PRG24_TW-07	N	02/17/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-07	TW-07_02/17/20	N	02/17/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-07	PRG24_TW-07	N	02/17/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-07	TW-07_02/17/20	N	02/17/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-07	PRG24_TW-07	N	02/17/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-07	TW-07_02/17/20	N	02/17/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-07	PRG24_TW-07	N	02/17/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-07	TW-07_02/17/20	N	02/17/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-07	PRG24_TW-07	N	02/17/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-07	TW-07_02/17/20	N	02/17/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-07	PRG24_TW-07	N	02/17/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-07	TW-07_02/17/20	N	02/17/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-07	PRG24_TW-07	N	02/17/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-07	TW-07_02/17/20	N	02/17/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-07	PRG24_TW-07	N	02/17/20	SVOC	Acenaphthene	83-32-9	T		U	2.00E-04	1.2E+00		5.3E-01	
TW-07	TW-07_02/17/20	N	02/17/20	SVOC	Acenaphthene	83-32-9	T		U	2.00E-04	1.2E+00		5.3E-01	
TW-07	PRG24_TW-07	N	02/17/20	SVOC	Acenaphthylene	208-96-8	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-07	TW-07_02/17/20	N	02/17/20	SVOC	Acenaphthylene	208-96-8	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-07	PRG24_TW-07	N	02/17/20	SVOC	Anthracene	120-12-7	T		U	2.00E-04	6.0E+00		1.8E+00	
TW-07	TW-07_02/17/20	N	02/17/20	SVOC	Anthracene	120-12-7	T		U	2.00E-04	6.0E+00		1.8E+00	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-07	PRG24_TW-07	N	02/17/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	2.00E-04	2.5E-03		3.0E-04	
TW-07	TW-07_02/17/20	N	02/17/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	2.00E-04	2.5E-03		3.0E-04	
TW-07	PRG24_TW-07	N	02/17/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	2.00E-04	2.0E-04		2.5E-04	
TW-07	TW-07_02/17/20	N	02/17/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	2.00E-04	2.0E-04		2.5E-04	
TW-07	PRG24_TW-07	N	02/17/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	4.00E-04	2.5E-03		2.5E-03	
TW-07	TW-07_02/17/20	N	02/17/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	4.00E-04	2.5E-03		2.5E-03	
TW-07	PRG24_TW-07	N	02/17/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	2.00E-04	1.8E-03		1.8E-03	
TW-07	TW-07_02/17/20	N	02/17/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	2.00E-04	1.8E-03		1.8E-03	
TW-07	PRG24_TW-07	N	02/17/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	3.00E-04	6.0E-01		1.2E-01	
TW-07	TW-07_02/17/20	N	02/17/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	3.00E-04	6.0E-01		1.2E-01	
TW-07	PRG24_TW-07	N	02/17/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	2.00E-04	2.5E-02		2.5E-02	
TW-07	TW-07_02/17/20	N	02/17/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	2.00E-04	2.5E-02		2.5E-02	
TW-07	PRG24_TW-07	N	02/17/20	SVOC	1,1-Biphenyl	92-52-4	T		U	2.00E-04	9.7E-02		8.3E-04	
TW-07	TW-07_02/17/20	N	02/17/20	SVOC	1,1-Biphenyl	92-52-4	T		U	2.00E-04	9.7E-02		8.3E-04	
TW-07	PRG24_TW-07	N	02/17/20	SVOC	Chrysene	218-01-9	T		U	2.00E-04	2.5E-01		2.5E-01	
TW-07	TW-07_02/17/20	N	02/17/20	SVOC	Chrysene	218-01-9	T		U	2.00E-04	2.5E-01		2.5E-01	
TW-07	PRG24_TW-07	N	02/17/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	2.00E-04	2.5E-04		2.5E-04	
TW-07	TW-07_02/17/20	N	02/17/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	2.00E-04	2.5E-04		2.5E-04	
TW-07	PRG24_TW-07	N	02/17/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-04	2.0E-02		7.9E-03	
TW-07	TW-07_02/17/20	N	02/17/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-04	2.0E-02		7.9E-03	
TW-07	PRG24_TW-07	N	02/17/20	SVOC	Fluoranthene	206-44-0	T		U	2.00E-04	8.0E-01		8.0E-01	
TW-07	TW-07_02/17/20	N	02/17/20	SVOC	Fluoranthene	206-44-0	T		U	2.00E-04	8.0E-01		8.0E-01	
TW-07	PRG24_TW-07	N	02/17/20	SVOC	Fluorene	86-73-7	T		U	2.00E-04	8.0E-01		2.9E-01	
TW-07	TW-07_02/17/20	N	02/17/20	SVOC	Fluorene	86-73-7	T		U	2.00E-04	8.0E-01		2.9E-01	
TW-07	PRG24_TW-07	N	02/17/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	4.00E-04	2.5E-03		2.5E-03	
TW-07	TW-07_02/17/20	N	02/17/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	4.00E-04	2.5E-03		2.5E-03	
TW-07	PRG24_TW-07	N	02/17/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	2.00E-04	2.7E-02		1.1E-02	
TW-07	TW-07_02/17/20	N	02/17/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	2.00E-04	2.7E-02		1.1E-02	
TW-07	PRG24_TW-07	N	02/17/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	3.00E-04	8.0E-02		3.6E-02	
TW-07	TW-07_02/17/20	N	02/17/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	3.00E-04	8.0E-02		3.6E-02	
TW-07	PRG24_TW-07	N	02/17/20	SVOC	Naphthalene	91-20-3	T		U	3.00E-04	6.5E-03		1.2E-03	
TW-07	TW-07_02/17/20	N	02/17/20	SVOC	Naphthalene	91-20-3	T		U	3.00E-04	6.5E-03		1.2E-03	
TW-07	PRG24_TW-07	N	02/17/20	SVOC	Perylene	198-55-0	T		U	2.00E-04				
TW-07	TW-07_02/17/20	N	02/17/20	SVOC	Perylene	198-55-0	T		U	2.00E-04				
TW-07	PRG24_TW-07	N	02/17/20	SVOC	Phenanthrene	85-01-8	T		U	3.00E-04	6.0E-01		1.2E-01	
TW-07	TW-07_02/17/20	N	02/17/20	SVOC	Phenanthrene	85-01-8	T		U	3.00E-04	6.0E-01		1.2E-01	
TW-07	PRG24_TW-07	N	02/17/20	SVOC	Pyrene	129-00-0	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-07	TW-07_02/17/20	N	02/17/20	SVOC	Pyrene	129-00-0	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-07	TW-07_02/17/20	N	02/17/20	INORG	Iron	7439-89-6	T	3.10E+01		2.00E+00	1.4E+01	2.2E+00	1.4E+01	2.2E+00
TW-07	TW-07_02/17/20	N	02/17/20	INORG	Manganese	7439-96-5	T	4.77E+00		1.00E-02	4.8E-01	9.9E+00	4.3E-01	1.1E+01
TW-07	PRG25_TW07	N	05/12/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-07	TW-07_05/12/20	N	05/12/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-07	PRG25_TW07	N	05/12/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-07	TW-07_05/12/20	N	05/12/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	



**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-07	PRG25_TW07	N	05/12/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-07	TW-07_05/12/20	N	05/12/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-07	PRG25_TW07	N	05/12/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-07	TW-07_05/12/20	N	05/12/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-07	PRG25_TW07	N	05/12/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-07	TW-07_05/12/20	N	05/12/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-07	PRG25_TW07	N	05/12/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-07	TW-07_05/12/20	N	05/12/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-07	PRG25_TW07	N	05/12/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-07	TW-07_05/12/20	N	05/12/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-07	PRG25_TW07	N	05/12/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-07	TW-07_05/12/20	N	05/12/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-07	PRG25_TW07	N	05/12/20	SVOC	Acenaphthene	83-32-9	T		U	1.00E-04	1.2E+00		5.3E-01	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Acenaphthene	83-32-9	T		U	1.00E-04	1.2E+00		5.3E-01	
TW-07	PRG25_TW07	N	05/12/20	SVOC	Acenaphthylene	208-96-8	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Acenaphthylene	208-96-8	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Acetophenone	98-86-2	T		U	1.00E-02	2.0E+00		1.9E+00	
TW-07	PRG25_TW07	N	05/12/20	SVOC	Anthracene	120-12-7	T	4.00E-05	J	1.00E-04	6.0E+00	6.7E-06	1.8E+00	2.2E-05
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Anthracene	120-12-7	T	4.00E-05	J	1.00E-04	6.0E+00	6.7E-06	1.8E+00	2.2E-05
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Atrazine	1912-24-9	T		U	5.00E-03	3.0E-03		3.0E-03	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Benzaldehyde	100-52-7	T		U	1.00E-02	1.9E-01		1.9E-01	
TW-07	PRG25_TW07	N	05/12/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	1.00E-04	2.5E-03		3.0E-04	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	1.00E-04	2.5E-03		3.0E-04	
TW-07	PRG25_TW07	N	05/12/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	1.00E-04	2.0E-04		2.5E-04	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	1.00E-04	2.0E-04		2.5E-04	
TW-07	PRG25_TW07	N	05/12/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	2.00E-04	2.5E-03		2.5E-03	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	2.00E-04	2.5E-03		2.5E-03	
TW-07	PRG25_TW07	N	05/12/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	1.00E-04	1.8E-03		1.8E-03	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	1.00E-04	1.8E-03		1.8E-03	
TW-07	PRG25_TW07	N	05/12/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-07	PRG25_TW07	N	05/12/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	1.00E-04	2.5E-02		2.5E-02	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	1.00E-04	2.5E-02		2.5E-02	
TW-07	PRG25_TW07	N	05/12/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-04	9.7E-02		8.3E-04	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-04	9.7E-02		8.3E-04	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	2.00E-03	6.0E-02		5.9E-02	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	2.00E-03	7.1E-04		1.4E-04	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.10E-02	6.0E-03		5.6E-02	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	2.00E-03				
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Butylbenzylphthalate	85-68-7	T		U	5.00E-03	4.1E-01		1.6E-01	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Caprolactam	105-60-2	T		U	1.10E-02	1.0E+01		9.9E+00	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Carbazole	86-74-8	T		U	2.00E-03	8.0E-01		2.9E-01	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	4.00E-03	2.0E+00		1.4E+00	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	4-Chloroaniline	106-47-8	T		U	1.00E-02	3.9E-03		3.7E-03	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-03	1.6E+00		7.5E-01	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	2-Chlorophenol	95-57-8	T		U	2.00E-03	1.0E-01		9.1E-02	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	2.00E-03				
TW-07	PRG25_TW07	N	05/12/20	SVOC	Chrysene	218-01-9	T		U	1.00E-04	2.5E-01		2.5E-01	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Chrysene	218-01-9	T		U	1.00E-04	2.5E-01		2.5E-01	
TW-07	PRG25_TW07	N	05/12/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	1.00E-04	2.5E-04		2.5E-04	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	1.00E-04	2.5E-04		2.5E-04	
TW-07	PRG25_TW07	N	05/12/20	SVOC	Dibenzofuran	132-64-9	T		U	1.00E-04	2.0E-02		7.9E-03	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Dibenzofuran	132-64-9	T		U	1.00E-04	2.0E-02		7.9E-03	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.00E-02	1.7E-03		1.3E-03	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	2,4-Dichlorophenol	120-83-2	T		U	2.00E-03	6.0E-02		4.6E-02	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Diethylphthalate	84-66-2	T		U	5.00E-03	1.6E+01		1.5E+01	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.00E-02	4.0E-01		3.6E-01	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Dimethylphthalate	131-11-3	T		U	5.00E-03	1.6E+01		1.5E+01	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Di-n-butylphthalate	84-74-2	T		U	5.00E-03	2.0E+00		9.0E-01	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	2.10E-02	1.6E-03		1.5E-03	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	2,4-Dinitrophenol	51-28-5	T		U	3.00E-02	4.0E-02		3.9E-02	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.10E-02	2.0E-01		2.0E-01	
TW-07	PRG25_TW07	N	05/12/20	SVOC	Fluoranthene	206-44-0	T		U	1.00E-04	8.0E-01		8.0E-01	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Fluoranthene	206-44-0	T		U	1.00E-04	8.0E-01		8.0E-01	
TW-07	PRG25_TW07	N	05/12/20	SVOC	Fluorene	86-73-7	T		U	1.00E-04	8.0E-01		2.9E-01	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Fluorene	86-73-7	T		U	1.00E-04	8.0E-01		2.9E-01	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Hexachlorobenzene	118-74-1	T		U	5.00E-04	1.0E-03		9.8E-05	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Hexachlorobutadiene	87-68-3	T		U	2.00E-03	1.0E-02		1.4E-03	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.10E-02	5.0E-02		4.1E-04	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Hexachloroethane	67-72-1	T		U	5.00E-03	1.4E-02		3.3E-03	
TW-07	PRG25_TW07	N	05/12/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	2.00E-04	2.5E-03		2.5E-03	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	2.00E-04	2.5E-03		2.5E-03	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Isophorone	78-59-1	T		U	2.00E-03	8.2E-01		7.8E-01	
TW-07	PRG25_TW07	N	05/12/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	1.00E-04	2.7E-02		1.1E-02	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	1.00E-04	2.7E-02		1.1E-02	
TW-07	PRG25_TW07	N	05/12/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	1.00E-04	8.0E-02		3.6E-02	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	1.00E-04	8.0E-02		3.6E-02	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	2-Methylphenol	95-48-7	T		U	2.00E-03	1.0E+00		9.3E-01	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	4-Methylphenol	106-44-5	T		U	2.00E-03	4.0E-01		3.7E-01	
TW-07	PRG25_TW07	N	05/12/20	SVOC	Naphthalene	91-20-3	T		U	2.00E-04	6.5E-03		1.2E-03	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Naphthalene	91-20-3	T		U	2.00E-04	6.5E-03		1.2E-03	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	2-Nitroaniline	88-74-4	T		U	7.00E-03	2.0E-01		1.9E-01	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	3-Nitroaniline	99-09-2	T		U	7.00E-03	3.9E-02		3.8E-02	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	4-Nitroaniline	100-01-6	T		U	3.00E-03	3.9E-02		3.8E-02	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	2-Nitrophenol	88-75-5	T		U	1.00E-02				
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	4-Nitrophenol	100-02-7	T		U	3.00E-02				
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	3.00E-03	1.6E-01		1.2E-01	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	3.00E-03	1.1E-04		1.1E-04	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	2.00E-03	8.0E-01		7.1E-01	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Pentachlorophenol	87-86-5	T		U	5.00E-03	1.0E-03		4.1E-04	
TW-07	PRG25_TW07	N	05/12/20	SVOC	Perylene	198-55-0	T		U	1.00E-04				
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Perylene	198-55-0	T		U	1.00E-04				
TW-07	PRG25_TW07	N	05/12/20	SVOC	Phenanthrene	85-01-8	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Phenanthrene	85-01-8	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Phenol	108-95-2	T		U	2.00E-03	6.0E+00		5.8E+00	
TW-07	PRG25_TW07	N	05/12/20	SVOC	Pyrene	129-00-0	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Pyrene	129-00-0	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	2.00E-03	2.0E+00		1.2E+00	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	2.00E-03	2.0E-02		1.2E-02	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	5.00E-03	2.5E-03		2.4E-03	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	2.00E-03	5.2E-04		4.9E-04	
TW-07	TW-07_05/12/20	N	05/12/20	SVOC	Nitrobenzene	98-95-3	T		U	2.00E-03	4.0E-02		1.4E-03	
TW-07	TW-07_05/12/20	N	05/12/20	INORG	Antimony	7440-36-0	T		U	5.00E-02	6.0E-03		7.8E-03	
TW-07	TW-07_05/12/20	N	05/12/20	INORG	Arsenic	7440-38-2	T		U	3.00E-02	1.0E-02		5.2E-04	
TW-07	TW-07_05/12/20	N	05/12/20	INORG	Barium	7440-39-3	T	7.14E-02		5.00E-03	2.0E+00	3.6E-02	3.8E+00	1.9E-02
TW-07	TW-07_05/12/20	N	05/12/20	INORG	Beryllium	7440-41-7	T		U	5.00E-03	4.0E-03		2.5E-02	
TW-07	TW-07_05/12/20	N	05/12/20	INORG	Cadmium	7440-43-9	T	1.00E-03	J	5.00E-03	5.0E-03	2.0E-01	1.8E-03	5.6E-01
TW-07	TW-07_05/12/20	N	05/12/20	INORG	Chromium (total)	7440-47-3	T		U	1.50E-02	1.0E-01		2.2E+01	
TW-07	TW-07_05/12/20	N	05/12/20	INORG	Cobalt	7440-48-4	T	4.29E-02		5.00E-03	6.0E-03	<b>7.2E+00</b>	6.0E-03	<b>7.2E+00</b>
TW-07	TW-07_05/12/20	N	05/12/20	INORG	Copper	7440-50-8	T		U	2.00E-02	1.3E+00		8.0E-01	
TW-07	TW-07_05/12/20	N	05/12/20	INORG	Iron	7439-89-6	T	2.46E+01		2.00E+00	1.4E+01	<b>1.8E+00</b>	1.4E+01	<b>1.8E+00</b>
TW-07	TW-07_05/12/20	N	05/12/20	INORG	Lead	7439-92-1	T		U	1.50E-02	1.5E-02		1.5E-02	
TW-07	TW-07_05/12/20	N	05/12/20	INORG	Manganese	7439-96-5	T	3.64E+00		1.00E-02	4.8E-01	<b>7.6E+00</b>	4.3E-01	<b>8.5E+00</b>
TW-07	TW-07_05/12/20	N	05/12/20	INORG	Mercury	7439-97-6	T		U	2.00E-04	2.0E-03		5.7E-04	
TW-07	TW-07_05/12/20	N	05/12/20	INORG	Molybdenum	7439-98-7	T		U	1.00E-02	1.0E-01		1.0E-01	
TW-07	TW-07_05/12/20	N	05/12/20	INORG	Nickel	7440-02-0	T	2.47E-02		1.00E-02	4.0E-01	6.2E-02	3.9E-01	6.3E-02
TW-07	TW-07_05/12/20	N	05/12/20	INORG	Selenium	7782-49-2	T		U	5.00E-02	5.0E-02		1.0E-01	
TW-07	TW-07_05/12/20	N	05/12/20	INORG	Silver	7440-22-4	T		U	1.00E-02	1.0E-01		9.4E-02	
TW-07	TW-07_05/12/20	N	05/12/20	INORG	Thallium	7440-28-0	T		U	3.00E-02	2.0E-03		2.0E-04	
TW-07	TW-07_05/12/20	N	05/12/20	INORG	Vanadium	7440-62-2	T	3.40E-03	J	1.00E-02	1.0E-01	3.4E-02	8.6E-02	4.0E-02
TW-07	TW-07_05/12/20	N	05/12/20	INORG	Zinc	7440-66-6	T	7.24E-02		2.00E-02	6.0E+00	1.2E-02	6.0E+00	1.2E-02
TW-07	TW-07_08/11/20	N	08/11/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-07	TW-07_08/11/20	N	08/11/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-07	TW-07_08/11/20	N	08/11/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-07	TW-07_08/11/20	N	08/11/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-07	TW-07_08/11/20	N	08/11/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-07	TW-07_08/11/20	N	08/11/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-07	TW-07_08/11/20	N	08/11/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-07	TW-07_08/11/20	N	08/11/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-07	TW-07_08/11/20	N	08/11/20	SVOC	Acenaphthene	83-32-9	T		U	1.00E-04	1.2E+00		5.3E-01	
TW-07	TW-07_08/11/20	N	08/11/20	SVOC	Acenaphthylene	208-96-8	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-07	TW-07_08/11/20	N	08/11/20	SVOC	Anthracene	120-12-7	T		U	1.00E-04	6.0E+00		1.8E+00	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-07	TW-07_08/11/20	N	08/11/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	1.00E-04	2.5E-03		3.0E-04	
TW-07	TW-07_08/11/20	N	08/11/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	1.00E-04	2.0E-04		2.5E-04	
TW-07	TW-07_08/11/20	N	08/11/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	1.90E-04	2.5E-03		2.5E-03	
TW-07	TW-07_08/11/20	N	08/11/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	1.00E-04	1.8E-03		1.8E-03	
TW-07	TW-07_08/11/20	N	08/11/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	1.50E-04	6.0E-01		1.2E-01	
TW-07	TW-07_08/11/20	N	08/11/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	1.00E-04	2.5E-02		2.5E-02	
TW-07	TW-07_08/11/20	N	08/11/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-04	9.7E-02		8.3E-04	
TW-07	TW-07_08/11/20	N	08/11/20	SVOC	Chrysene	218-01-9	T		U	1.00E-04	2.5E-01		2.5E-01	
TW-07	TW-07_08/11/20	N	08/11/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	1.00E-04	2.5E-04		2.5E-04	
TW-07	TW-07_08/11/20	N	08/11/20	SVOC	Dibenzofuran	132-64-9	T		U	1.00E-04	2.0E-02		7.9E-03	
TW-07	TW-07_08/11/20	N	08/11/20	SVOC	Fluoranthene	206-44-0	T		U	1.00E-04	8.0E-01		8.0E-01	
TW-07	TW-07_08/11/20	N	08/11/20	SVOC	Fluorene	86-73-7	T		U	1.00E-04	8.0E-01		2.9E-01	
TW-07	TW-07_08/11/20	N	08/11/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	1.90E-04	2.5E-03		2.5E-03	
TW-07	TW-07_08/11/20	N	08/11/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	1.00E-04	2.7E-02		1.1E-02	
TW-07	TW-07_08/11/20	N	08/11/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	1.50E-04	8.0E-02		3.6E-02	
TW-07	TW-07_08/11/20	N	08/11/20	SVOC	Naphthalene	91-20-3	T		U	1.70E-04	6.5E-03		1.2E-03	
TW-07	TW-07_08/11/20	N	08/11/20	SVOC	Perylene	198-55-0	T		U	1.00E-04				
TW-07	TW-07_08/11/20	N	08/11/20	SVOC	Phenanthrene	85-01-8	T		U	1.70E-04	6.0E-01		1.2E-01	
TW-07	TW-07_08/11/20	N	08/11/20	SVOC	Pyrene	129-00-0	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-07	410-12267-2383.1_TW07	N	12/09/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-07	TW07-12092020	N	12/09/20	VOC	Benzene	71-43-2	T		U	2.00E-04	5.0E-03		4.6E-03	
TW-07	410-12267-2383.1_TW07	N	12/09/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-07	TW07-12092020	N	12/09/20	VOC	1,2-Dibromoethane	106-93-4	T		U	3.00E-04	5.0E-05		7.5E-05	
TW-07	410-12267-2383.1_TW07	N	12/09/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-07	TW07-12092020	N	12/09/20	VOC	1,2-Dichloroethane	107-06-2	T		U	2.00E-03	5.0E-03		1.7E-03	
TW-07	410-12267-2383.1_TW07	N	12/09/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-07	TW07-12092020	N	12/09/20	VOC	Ethyl Benzene	100-41-4	T		U	2.00E-04	7.0E-01		1.5E-02	
TW-07	410-12267-2383.1_TW07	N	12/09/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-07	TW07-12092020	N	12/09/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	2.00E-04	4.3E-01		1.4E-01	
TW-07	410-12267-2383.1_TW07	N	12/09/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-07	TW07-12092020	N	12/09/20	VOC	tert-Butyl alcohol	75-65-0	T		U	1.00E-02	1.6E+00		1.5E+00	
TW-07	410-12267-2383.1_TW07	N	12/09/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-07	TW07-12092020	N	12/09/20	VOC	Toluene	108-88-3	T		U	2.00E-04	1.0E+00		1.1E+00	
TW-07	410-12267-2383.1_TW07	N	12/09/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-07	TW07-12092020	N	12/09/20	VOC	Xylenes (total)	1330-20-7	T		U	8.00E-04	1.0E+01		1.9E-01	
TW-07	410-12267-2383.1_TW07	N	12/09/20	SVOC	Acenaphthene	83-32-9	T		U	1.10E-04	1.2E+00		5.3E-01	
TW-07	TW07-12092020	N	12/09/20	SVOC	Acenaphthene	83-32-9	T		U	2.10E-05	1.2E+00		5.3E-01	
TW-07	410-12267-2383.1_TW07	N	12/09/20	SVOC	Acenaphthylene	208-96-8	T		U	1.10E-04	6.0E-01		1.2E-01	
TW-07	TW07-12092020	N	12/09/20	SVOC	Acenaphthylene	208-96-8	T		U	2.10E-05	6.0E-01		1.2E-01	
TW-07	410-12267-2383.1_TW07	N	12/09/20	SVOC	Anthracene	120-12-7	T	3.00E-05	J	1.10E-04	6.0E+00	5.0E-06	1.8E+00	1.7E-05
TW-07	TW07-12092020	N	12/09/20	SVOC	Anthracene	120-12-7	T	3.00E-05	J	2.10E-05	6.0E+00	5.0E-06	1.8E+00	1.7E-05
TW-07	410-12267-2383.1_TW07	N	12/09/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	1.10E-04	2.5E-03		3.0E-04	
TW-07	TW07-12092020	N	12/09/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	2.10E-05	2.5E-03		3.0E-04	
TW-07	410-12267-2383.1_TW07	N	12/09/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	1.10E-04	2.0E-04		2.5E-04	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-07	TW07-12092020	N	12/09/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	2.10E-05	2.0E-04		2.5E-04	
TW-07	410-12267-2383.1_TW07	N	12/09/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	1.90E-04	2.5E-03		2.5E-03	
TW-07	TW07-12092020	N	12/09/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	8.50E-05	2.5E-03		2.5E-03	
TW-07	410-12267-2383.1_TW07	N	12/09/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	1.10E-04	1.8E-03		1.8E-03	
TW-07	TW07-12092020	N	12/09/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	2.10E-05	1.8E-03		1.8E-03	
TW-07	410-12267-2383.1_TW07	N	12/09/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	1.50E-04	6.0E-01		1.2E-01	
TW-07	TW07-12092020	N	12/09/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	6.40E-05	6.0E-01		1.2E-01	
TW-07	410-12267-2383.1_TW07	N	12/09/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	1.10E-04	2.5E-02		2.5E-02	
TW-07	TW07-12092020	N	12/09/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	2.10E-05	2.5E-02		2.5E-02	
TW-07	410-12267-2383.1_TW07	N	12/09/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.10E-04	9.7E-02		8.3E-04	
TW-07	TW07-12092020	N	12/09/20	SVOC	1,1-Biphenyl	92-52-4	T		U	4.20E-05	9.7E-02		8.3E-04	
TW-07	410-12267-2383.1_TW07	N	12/09/20	SVOC	Chrysene	218-01-9	T		U	1.10E-04	2.5E-01		2.5E-01	
TW-07	TW07-12092020	N	12/09/20	SVOC	Chrysene	218-01-9	T		U	2.10E-05	2.5E-01		2.5E-01	
TW-07	410-12267-2383.1_TW07	N	12/09/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	1.10E-04	2.5E-04		2.5E-04	
TW-07	TW07-12092020	N	12/09/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	2.10E-05	2.5E-04		2.5E-04	
TW-07	410-12267-2383.1_TW07	N	12/09/20	SVOC	Dibenzofuran	132-64-9	T		U	1.10E-04	2.0E-02		7.9E-03	
TW-07	TW07-12092020	N	12/09/20	SVOC	Dibenzofuran	132-64-9	T		U	2.10E-05	2.0E-02		7.9E-03	
TW-07	410-12267-2383.1_TW07	N	12/09/20	SVOC	Fluoranthene	206-44-0	T		U	1.10E-04	8.0E-01		8.0E-01	
TW-07	TW07-12092020	N	12/09/20	SVOC	Fluoranthene	206-44-0	T		U	2.10E-05	8.0E-01		8.0E-01	
TW-07	410-12267-2383.1_TW07	N	12/09/20	SVOC	Fluorene	86-73-7	T		U	1.10E-04	8.0E-01		2.9E-01	
TW-07	TW07-12092020	N	12/09/20	SVOC	Fluorene	86-73-7	T		U	2.10E-05	8.0E-01		2.9E-01	
TW-07	410-12267-2383.1_TW07	N	12/09/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	1.90E-04	2.5E-03		2.5E-03	
TW-07	TW07-12092020	N	12/09/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	8.50E-05	2.5E-03		2.5E-03	
TW-07	410-12267-2383.1_TW07	N	12/09/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	1.10E-04	2.7E-02		1.1E-02	
TW-07	TW07-12092020	N	12/09/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	2.10E-05	2.7E-02		1.1E-02	
TW-07	410-12267-2383.1_TW07	N	12/09/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	1.50E-04	8.0E-02		3.6E-02	
TW-07	TW07-12092020	N	12/09/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	6.40E-05	8.0E-02		3.6E-02	
TW-07	410-12267-2383.1_TW07	N	12/09/20	SVOC	Naphthalene	91-20-3	T		U	1.70E-04	6.5E-03		1.2E-03	
TW-07	TW07-12092020	N	12/09/20	SVOC	Naphthalene	91-20-3	T		U	6.40E-05	6.5E-03		1.2E-03	
TW-07	410-12267-2383.1_TW07	N	12/09/20	SVOC	Perylene	198-55-0	T		U	1.10E-04				
TW-07	TW07-12092020	N	12/09/20	SVOC	Perylene	198-55-0	T		U	4.20E-05				
TW-07	410-12267-2383.1_TW07	N	12/09/20	SVOC	Phenanthrene	85-01-8	T		U	1.70E-04	6.0E-01		1.2E-01	
TW-07	TW07-12092020	N	12/09/20	SVOC	Phenanthrene	85-01-8	T		U	6.40E-05	6.0E-01		1.2E-01	
TW-07	410-12267-2383.1_TW07	N	12/09/20	SVOC	Pyrene	129-00-0	T		U	1.10E-04	6.0E-01		1.2E-01	
TW-07	TW07-12092020	N	12/09/20	SVOC	Pyrene	129-00-0	T		U	4.20E-05	6.0E-01		1.2E-01	
TW-07	410-33562-1_TW-07	N	03/23/21	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-07	TW-07-03232021	N	03/23/21	VOC	Benzene	71-43-2	T		U	2.00E-04	5.0E-03		4.6E-03	
TW-07	410-33562-1_TW-07	N	03/23/21	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-07	TW-07-03232021	N	03/23/21	VOC	1,2-Dibromoethane	106-93-4	T		U	3.00E-04	5.0E-05		7.5E-05	
TW-07	410-33562-1_TW-07	N	03/23/21	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-07	TW-07-03232021	N	03/23/21	VOC	1,2-Dichloroethane	107-06-2	T		U	2.00E-03	5.0E-03		1.7E-03	
TW-07	410-33562-1_TW-07	N	03/23/21	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-07	TW-07-03232021	N	03/23/21	VOC	Ethyl Benzene	100-41-4	T		U	2.00E-04	7.0E-01		1.5E-02	
TW-07	410-33562-1_TW-07	N	03/23/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-07	TW-07-03232021	N	03/23/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	2.00E-04	4.3E-01		1.4E-01	
TW-07	410-33562-1_TW-07	N	03/23/21	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-07	TW-07-03232021	N	03/23/21	VOC	tert-Butyl alcohol	75-65-0	T		U	1.00E-02	1.6E+00		1.5E+00	
TW-07	410-33562-1_TW-07	N	03/23/21	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-07	TW-07-03232021	N	03/23/21	VOC	Toluene	108-88-3	T		U	2.00E-04	1.0E+00		1.1E+00	
TW-07	410-33562-1_TW-07	N	03/23/21	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-07	TW-07-03232021	N	03/23/21	VOC	Xylenes (total)	1330-20-7	T		U	8.00E-04	1.0E+01		1.9E-01	
TW-07	410-33562-1_TW-07	N	03/23/21	SVOC	Acenaphthene	83-32-9	T		U	1.10E-04	1.2E+00		5.3E-01	
TW-07	TW-07-03232021	N	03/23/21	SVOC	Acenaphthene	83-32-9	T		U	2.10E-05	1.2E+00		5.3E-01	
TW-07	410-33562-1_TW-07	N	03/23/21	SVOC	Acenaphthylene	208-96-8	T		U	1.10E-04	6.0E-01		1.2E-01	
TW-07	TW-07-03232021	N	03/23/21	SVOC	Acenaphthylene	208-96-8	T		U	2.10E-05	6.0E-01		1.2E-01	
TW-07	410-33562-1_TW-07	N	03/23/21	SVOC	Anthracene	120-12-7	T	3.60E-05	J	1.10E-04	6.0E+00	6.0E-06	1.8E+00	2.0E-05
TW-07	TW-07-03232021	N	03/23/21	SVOC	Anthracene	120-12-7	T	3.60E-05	J	2.10E-05	6.0E+00	6.0E-06	1.8E+00	2.0E-05
TW-07	410-33562-1_TW-07	N	03/23/21	SVOC	Benzo(a)anthracene	56-55-3	T		U	1.10E-04	2.5E-03		3.0E-04	
TW-07	TW-07-03232021	N	03/23/21	SVOC	Benzo(a)anthracene	56-55-3	T		U	2.10E-05	2.5E-03		3.0E-04	
TW-07	410-33562-1_TW-07	N	03/23/21	SVOC	Benzo(a)pyrene	50-32-8	T	2.20E-05	J	1.10E-04	2.0E-04	1.1E-01	2.5E-04	8.8E-02
TW-07	TW-07-03232021	N	03/23/21	SVOC	Benzo(a)pyrene	50-32-8	T	2.20E-05	J	2.10E-05	2.0E-04	1.1E-01	2.5E-04	8.8E-02
TW-07	410-33562-1_TW-07	N	03/23/21	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	1.90E-04	2.5E-03		2.5E-03	
TW-07	TW-07-03232021	N	03/23/21	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	8.40E-05	2.5E-03		2.5E-03	
TW-07	410-33562-1_TW-07	N	03/23/21	SVOC	Benzo(e)pyrene	192-97-2	T		U	1.10E-04	1.8E-03		1.8E-03	
TW-07	TW-07-03232021	N	03/23/21	SVOC	Benzo(e)pyrene	192-97-2	T		U	2.10E-05	1.8E-03		1.8E-03	
TW-07	410-33562-1_TW-07	N	03/23/21	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	1.50E-04	6.0E-01		1.2E-01	
TW-07	TW-07-03232021	N	03/23/21	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	6.30E-05	6.0E-01		1.2E-01	
TW-07	410-33562-1_TW-07	N	03/23/21	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	1.10E-04	2.5E-02		2.5E-02	
TW-07	TW-07-03232021	N	03/23/21	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	2.10E-05	2.5E-02		2.5E-02	
TW-07	410-33562-1_TW-07	N	03/23/21	SVOC	1,1-Biphenyl	92-52-4	T		U	1.10E-04	9.7E-02		8.3E-04	
TW-07	TW-07-03232021	N	03/23/21	SVOC	1,1-Biphenyl	92-52-4	T		U	4.20E-05	9.7E-02		8.3E-04	
TW-07	410-33562-1_TW-07	N	03/23/21	SVOC	Chrysene	218-01-9	T		U	1.10E-04	2.5E-01		2.5E-01	
TW-07	TW-07-03232021	N	03/23/21	SVOC	Chrysene	218-01-9	T		U	2.10E-05	2.5E-01		2.5E-01	
TW-07	410-33562-1_TW-07	N	03/23/21	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	1.10E-04	2.5E-04		2.5E-04	
TW-07	TW-07-03232021	N	03/23/21	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	2.10E-05	2.5E-04		2.5E-04	
TW-07	410-33562-1_TW-07	N	03/23/21	SVOC	Dibenzofuran	132-64-9	T		U	1.10E-04	2.0E-02		7.9E-03	
TW-07	TW-07-03232021	N	03/23/21	SVOC	Dibenzofuran	132-64-9	T		U	2.10E-05	2.0E-02		7.9E-03	
TW-07	410-33562-1_TW-07	N	03/23/21	SVOC	Fluoranthene	206-44-0	T		U	1.10E-04	8.0E-01		8.0E-01	
TW-07	TW-07-03232021	N	03/23/21	SVOC	Fluoranthene	206-44-0	T		U*	2.10E-05	8.0E-01		8.0E-01	
TW-07	410-33562-1_TW-07	N	03/23/21	SVOC	Fluorene	86-73-7	T		U	1.10E-04	8.0E-01		2.9E-01	
TW-07	TW-07-03232021	N	03/23/21	SVOC	Fluorene	86-73-7	T		U	2.10E-05	8.0E-01		2.9E-01	
TW-07	410-33562-1_TW-07	N	03/23/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	1.90E-04	2.5E-03		2.5E-03	
TW-07	TW-07-03232021	N	03/23/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	8.40E-05	2.5E-03		2.5E-03	
TW-07	410-33562-1_TW-07	N	03/23/21	SVOC	1-Methylnaphthalene	90-12-0	T		U	1.10E-04	2.7E-02		1.1E-02	
TW-07	TW-07-03232021	N	03/23/21	SVOC	1-Methylnaphthalene	90-12-0	T		U	2.10E-05	2.7E-02		1.1E-02	
TW-07	410-33562-1_TW-07	N	03/23/21	SVOC	2-Methylnaphthalene	91-57-6	T		U	1.50E-04	8.0E-02		3.6E-02	
TW-07	TW-07-03232021	N	03/23/21	SVOC	2-Methylnaphthalene	91-57-6	T		U	6.30E-05	8.0E-02		3.6E-02	
TW-07	410-33562-1_TW-07	N	03/23/21	SVOC	Naphthalene	91-20-3	T		U	1.70E-04	6.5E-03		1.2E-03	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-07	TW-07-03232021	N	03/23/21	SVOC	Naphthalene	91-20-3	T		U	6.30E-05	6.5E-03		1.2E-03	
TW-07	410-33562-1_TW-07	N	03/23/21	SVOC	Perylene	198-55-0	T		U	1.10E-04				
TW-07	TW-07-03232021	N	03/23/21	SVOC	Perylene	198-55-0	T		U*	4.20E-05				
TW-07	410-33562-1_TW-07	N	03/23/21	SVOC	Phenanthrene	85-01-8	T		U	1.70E-04	6.0E-01		1.2E-01	
TW-07	TW-07-03232021	N	03/23/21	SVOC	Phenanthrene	85-01-8	T		U	6.30E-05	6.0E-01		1.2E-01	
TW-07	410-33562-1_TW-07	N	03/23/21	SVOC	Pyrene	129-00-0	T	1.10E-04		1.10E-04	6.0E-01	1.8E-04	1.2E-01	9.2E-04
TW-07	TW-07-03232021	N	03/23/21	SVOC	Pyrene	129-00-0	T	1.10E-04		4.20E-05	6.0E-01	1.8E-04	1.2E-01	9.2E-04
TW-07	TW07-210520	N	05/20/21	VOC	Benzene	71-43-2	T		U	2.00E-04	5.0E-03		4.6E-03	
TW-07	TW07-210520	N	05/20/21	VOC	1,2-Dibromoethane	106-93-4	T		U	3.00E-04	5.0E-05		7.5E-05	
TW-07	TW07-210520	N	05/20/21	VOC	1,2-Dichloroethane	107-06-2	T		U	2.00E-03	5.0E-03		1.7E-03	
TW-07	TW07-210520	N	05/20/21	VOC	Ethyl Benzene	100-41-4	T		U	2.00E-04	7.0E-01		1.5E-02	
TW-07	TW07-210520	N	05/20/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	2.00E-04	4.3E-01		1.4E-01	
TW-07	TW07-210520	N	05/20/21	VOC	tert-Butyl alcohol	75-65-0	T		U	1.00E-02	1.6E+00		1.5E+00	
TW-07	TW07-210520	N	05/20/21	VOC	Toluene	108-88-3	T		U	2.00E-04	1.0E+00		1.1E+00	
TW-07	TW07-210520	N	05/20/21	VOC	Xylenes (total)	1330-20-7	T		U	8.00E-04	1.0E+01		1.9E-01	
TW-07	TW07-210520	N	05/20/21	SVOC	Acenaphthene	83-32-9	T		U	2.20E-05	1.2E+00		5.3E-01	
TW-07	TW07-210520	N	05/20/21	SVOC	Acenaphthylene	208-96-8	T		U	2.20E-05	6.0E-01		1.2E-01	
TW-07	TW07-210520	N	05/20/21	SVOC	Anthracene	120-12-7	T	3.10E-05	J	2.20E-05	6.0E+00	5.2E-06	1.8E+00	1.7E-05
TW-07	TW07-210520	N	05/20/21	SVOC	Benzo(a)anthracene	56-55-3	T		U	2.20E-05	2.5E-03		3.0E-04	
TW-07	TW07-210520	N	05/20/21	SVOC	Benzo(a)pyrene	50-32-8	T		U	2.20E-05	2.0E-04		2.5E-04	
TW-07	TW07-210520	N	05/20/21	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	8.90E-05	2.5E-03		2.5E-03	
TW-07	TW07-210520	N	05/20/21	SVOC	Benzo(e)pyrene	192-97-2	T		U	2.20E-05	1.8E-03		1.8E-03	
TW-07	TW07-210520	N	05/20/21	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	6.70E-05	6.0E-01		1.2E-01	
TW-07	TW07-210520	N	05/20/21	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	2.20E-05	2.5E-02		2.5E-02	
TW-07	TW07-210520	N	05/20/21	SVOC	1,1-Biphenyl	92-52-4	T		U	4.40E-05	9.7E-02		8.3E-04	
TW-07	TW07-210520	N	05/20/21	SVOC	Chrysene	218-01-9	T		U	2.20E-05	2.5E-01		2.5E-01	
TW-07	TW07-210520	N	05/20/21	SVOC	Dibenz(a,h)anthracene	53-70-3	T	2.40E-05	J	2.20E-05	2.5E-04	9.6E-02	2.5E-04	9.6E-02
TW-07	TW07-210520	N	05/20/21	SVOC	Dibenzofuran	132-64-9	T		U	2.20E-05	2.0E-02		7.9E-03	
TW-07	TW07-210520	N	05/20/21	SVOC	Dibenzothiophene	132-65-0	T		U	4.40E-05				
TW-07	TW07-210520	N	05/20/21	SVOC	Fluoranthene	206-44-0	T		U	2.20E-05	8.0E-01		8.0E-01	
TW-07	TW07-210520	N	05/20/21	SVOC	Fluorene	86-73-7	T		U	2.20E-05	8.0E-01		2.9E-01	
TW-07	TW07-210520	N	05/20/21	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	8.90E-05	2.5E-03		2.5E-03	
TW-07	TW07-210520	N	05/20/21	SVOC	1-Methylnaphthalene	90-12-0	T		U	2.20E-05	2.7E-02		1.1E-02	
TW-07	TW07-210520	N	05/20/21	SVOC	2-Methylnaphthalene	91-57-6	T		U	6.70E-05	8.0E-02		3.6E-02	
TW-07	TW07-210520	N	05/20/21	SVOC	Naphthalene	91-20-3	T		U	6.70E-05	6.5E-03		1.2E-03	
TW-07	TW07-210520	N	05/20/21	SVOC	Perylene	198-55-0	T		U	4.40E-05				
TW-07	TW07-210520	N	05/20/21	SVOC	Phenanthrene	85-01-8	T		U	6.70E-05	6.0E-01		1.2E-01	
TW-07	TW07-210520	N	05/20/21	SVOC	Pyrene	129-00-0	T		U	4.40E-05	6.0E-01		1.2E-01	
TW-07	HRP-TW07-211101	N	11/01/21	SVOC	Naphthalene	91-20-3	T		U	6.40E-04	6.5E-03		1.2E-03	
TW-07	HRP-TW-07-220516	N	05/16/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
TW-07	HRP-TW07-221018	N	10/18/22	SVOC	Naphthalene	91-20-3	T		U	1.00E-03	6.5E-03		1.2E-03	
TW-14	PRG24_TW-14	N	02/17/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-14	TW-14_02/17/20	N	02/17/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-14	PRG24_TW-14	N	02/17/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	



**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-14	TW-14_02/17/20	N	02/17/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-14	PRG24_TW-14	N	02/17/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-14	TW-14_02/17/20	N	02/17/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-14	PRG24_TW-14	N	02/17/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-14	TW-14_02/17/20	N	02/17/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-14	PRG24_TW-14	N	02/17/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-14	TW-14_02/17/20	N	02/17/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-14	PRG24_TW-14	N	02/17/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-14	TW-14_02/17/20	N	02/17/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-14	PRG24_TW-14	N	02/17/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-14	TW-14_02/17/20	N	02/17/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-14	PRG24_TW-14	N	02/17/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-14	TW-14_02/17/20	N	02/17/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-14	PRG24_TW-14	N	02/17/20	SVOC	Acenaphthene	83-32-9	T		U	2.00E-04	1.2E+00		5.3E-01	
TW-14	TW-14_02/17/20	N	02/17/20	SVOC	Acenaphthene	83-32-9	T		U	2.00E-04	1.2E+00		5.3E-01	
TW-14	PRG24_TW-14	N	02/17/20	SVOC	Acenaphthylene	208-96-8	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-14	TW-14_02/17/20	N	02/17/20	SVOC	Acenaphthylene	208-96-8	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-14	PRG24_TW-14	N	02/17/20	SVOC	Anthracene	120-12-7	T		U	2.00E-04	6.0E+00		1.8E+00	
TW-14	TW-14_02/17/20	N	02/17/20	SVOC	Anthracene	120-12-7	T		U	2.00E-04	6.0E+00		1.8E+00	
TW-14	PRG24_TW-14	N	02/17/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	2.00E-04	2.5E-03		3.0E-04	
TW-14	TW-14_02/17/20	N	02/17/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	2.00E-04	2.5E-03		3.0E-04	
TW-14	PRG24_TW-14	N	02/17/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	2.00E-04	2.0E-04		2.5E-04	
TW-14	TW-14_02/17/20	N	02/17/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	2.00E-04	2.0E-04		2.5E-04	
TW-14	PRG24_TW-14	N	02/17/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	4.00E-04	2.5E-03		2.5E-03	
TW-14	TW-14_02/17/20	N	02/17/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	4.00E-04	2.5E-03		2.5E-03	
TW-14	PRG24_TW-14	N	02/17/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	2.00E-04	1.8E-03		1.8E-03	
TW-14	TW-14_02/17/20	N	02/17/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	2.00E-04	1.8E-03		1.8E-03	
TW-14	PRG24_TW-14	N	02/17/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	3.00E-04	6.0E-01		1.2E-01	
TW-14	TW-14_02/17/20	N	02/17/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	3.00E-04	6.0E-01		1.2E-01	
TW-14	PRG24_TW-14	N	02/17/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	2.00E-04	2.5E-02		2.5E-02	
TW-14	TW-14_02/17/20	N	02/17/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	2.00E-04	2.5E-02		2.5E-02	
TW-14	PRG24_TW-14	N	02/17/20	SVOC	1,1-Biphenyl	92-52-4	T		U	2.00E-04	9.7E-02		8.3E-04	
TW-14	TW-14_02/17/20	N	02/17/20	SVOC	1,1-Biphenyl	92-52-4	T		U	2.00E-04	9.7E-02		8.3E-04	
TW-14	PRG24_TW-14	N	02/17/20	SVOC	Chrysene	218-01-9	T		U	2.00E-04	2.5E-01		2.5E-01	
TW-14	TW-14_02/17/20	N	02/17/20	SVOC	Chrysene	218-01-9	T		U	2.00E-04	2.5E-01		2.5E-01	
TW-14	PRG24_TW-14	N	02/17/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	2.00E-04	2.5E-04		2.5E-04	
TW-14	TW-14_02/17/20	N	02/17/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	2.00E-04	2.5E-04		2.5E-04	
TW-14	PRG24_TW-14	N	02/17/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-04	2.0E-02		7.9E-03	
TW-14	TW-14_02/17/20	N	02/17/20	SVOC	Dibenzofuran	132-64-9	T		U	2.00E-04	2.0E-02		7.9E-03	
TW-14	PRG24_TW-14	N	02/17/20	SVOC	Fluoranthene	206-44-0	T		U	2.00E-04	8.0E-01		8.0E-01	
TW-14	TW-14_02/17/20	N	02/17/20	SVOC	Fluoranthene	206-44-0	T		U	2.00E-04	8.0E-01		8.0E-01	
TW-14	PRG24_TW-14	N	02/17/20	SVOC	Fluorene	86-73-7	T		U	2.00E-04	8.0E-01		2.9E-01	
TW-14	TW-14_02/17/20	N	02/17/20	SVOC	Fluorene	86-73-7	T		U	2.00E-04	8.0E-01		2.9E-01	
TW-14	PRG24_TW-14	N	02/17/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	4.00E-04	2.5E-03		2.5E-03	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-14	TW-14_02/17/20	N	02/17/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	4.00E-04	2.5E-03		2.5E-03	
TW-14	PRG24_TW-14	N	02/17/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	2.00E-04	2.7E-02		1.1E-02	
TW-14	TW-14_02/17/20	N	02/17/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	2.00E-04	2.7E-02		1.1E-02	
TW-14	PRG24_TW-14	N	02/17/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	3.00E-04	8.0E-02		3.6E-02	
TW-14	TW-14_02/17/20	N	02/17/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	3.00E-04	8.0E-02		3.6E-02	
TW-14	PRG24_TW-14	N	02/17/20	SVOC	Naphthalene	91-20-3	T		U	3.00E-04	6.5E-03		1.2E-03	
TW-14	TW-14_02/17/20	N	02/17/20	SVOC	Naphthalene	91-20-3	T		U	3.00E-04	6.5E-03		1.2E-03	
TW-14	PRG24_TW-14	N	02/17/20	SVOC	Perylene	198-55-0	T		U	2.00E-04				
TW-14	TW-14_02/17/20	N	02/17/20	SVOC	Perylene	198-55-0	T		U	2.00E-04				
TW-14	PRG24_TW-14	N	02/17/20	SVOC	Phenanthrene	85-01-8	T		U	3.00E-04	6.0E-01		1.2E-01	
TW-14	TW-14_02/17/20	N	02/17/20	SVOC	Phenanthrene	85-01-8	T		U	3.00E-04	6.0E-01		1.2E-01	
TW-14	PRG24_TW-14	N	02/17/20	SVOC	Pyrene	129-00-0	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-14	TW-14_02/17/20	N	02/17/20	SVOC	Pyrene	129-00-0	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-14	PRG25_TW14	N	05/11/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-14	TW-14_05/11/20	N	05/11/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-14	PRG25_TW14	N	05/11/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-14	TW-14_05/11/20	N	05/11/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-14	PRG25_TW14	N	05/11/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-14	TW-14_05/11/20	N	05/11/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-14	PRG25_TW14	N	05/11/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-14	TW-14_05/11/20	N	05/11/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-14	PRG25_TW14	N	05/11/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-14	TW-14_05/11/20	N	05/11/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-14	PRG25_TW14	N	05/11/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-14	TW-14_05/11/20	N	05/11/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-14	PRG25_TW14	N	05/11/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-14	TW-14_05/11/20	N	05/11/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-14	PRG25_TW14	N	05/11/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-14	TW-14_05/11/20	N	05/11/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-14	PRG25_TW14	N	05/11/20	SVOC	Acenaphthene	83-32-9	T		U	1.00E-04	1.2E+00		5.3E-01	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Acenaphthene	83-32-9	T		U	1.00E-04	1.2E+00		5.3E-01	
TW-14	PRG25_TW14	N	05/11/20	SVOC	Acenaphthylene	208-96-8	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Acenaphthylene	208-96-8	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-14	PRG25_TW14	N	05/11/20	SVOC	Acetophenone	98-86-2	T		U	1.10E-02	2.0E+00		1.9E+00	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Anthracene	120-12-7	T		U	1.00E-04	6.0E+00		1.8E+00	
TW-14	PRG25_TW14	N	05/11/20	SVOC	Anthracene	120-12-7	T		U	1.00E-04	6.0E+00		1.8E+00	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Atrazine	1912-24-9	T		U	5.00E-03	3.0E-03		3.0E-03	
TW-14	PRG25_TW14	N	05/11/20	SVOC	Benzaldehyde	100-52-7	T		U	1.10E-02	1.9E-01		1.9E-01	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	1.00E-04	2.5E-03		3.0E-04	
TW-14	PRG25_TW14	N	05/11/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	1.00E-04	2.5E-03		3.0E-04	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	1.00E-04	2.0E-04		2.5E-04	
TW-14	PRG25_TW14	N	05/11/20	SVOC	Benzo(a)pyrene	50-32-8	T		U	1.00E-04	2.0E-04		2.5E-04	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	2.00E-04	2.5E-03		2.5E-03	
TW-14	PRG25_TW14	N	05/11/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	2.00E-04	2.5E-03		2.5E-03	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-14	PRG25_TW14	N	05/11/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	1.00E-04	1.8E-03		1.8E-03	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	1.00E-04	1.8E-03		1.8E-03	
TW-14	PRG25_TW14	N	05/11/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-14	PRG25_TW14	N	05/11/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	1.00E-04	2.5E-02		2.5E-02	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	1.00E-04	2.5E-02		2.5E-02	
TW-14	PRG25_TW14	N	05/11/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-04	9.7E-02		8.3E-04	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.00E-04	9.7E-02		8.3E-04	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	bis(2-Chloroethoxy)methane	111-91-1	T		U	2.00E-03	6.0E-02		5.9E-02	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	bis(2-Chloroethyl) ether	111-44-4	T		U	2.00E-03	7.1E-04		1.4E-04	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T		U	1.20E-02	6.0E-03		5.6E-02	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	4-Bromophenyl-phenyl ether	101-55-3	T		U	2.00E-03				
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Butylbenzylphthalate	85-68-7	T		U	5.00E-03	4.1E-01		1.6E-01	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Caprolactam	105-60-2	T		U	1.20E-02	1.0E+01		9.9E+00	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Carbazole	86-74-8	T		U	2.00E-03	8.0E-01		2.9E-01	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	4-Chloro-3-methylphenol	59-50-7	T		U	4.00E-03	2.0E+00		1.4E+00	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	4-Chloroaniline	106-47-8	T		U	1.10E-02	3.9E-03		3.7E-03	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	2-Chloronaphthalene	91-58-7	T		U	1.00E-03	1.6E+00		7.5E-01	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	2-Chlorophenol	95-57-8	T		U	2.00E-03	1.0E-01		9.1E-02	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	4-Chlorophenyl-phenyl ether	7005-72-3	T		U	2.00E-03				
TW-14	PRG25_TW14	N	05/11/20	SVOC	Chrysene	218-01-9	T		U	1.00E-04	2.5E-01		2.5E-01	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Chrysene	218-01-9	T		U	1.00E-04	2.5E-01		2.5E-01	
TW-14	PRG25_TW14	N	05/11/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	1.00E-04	2.5E-04		2.5E-04	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	1.00E-04	2.5E-04		2.5E-04	
TW-14	PRG25_TW14	N	05/11/20	SVOC	Dibenzofuran	132-64-9	T		U	1.00E-04	2.0E-02		7.9E-03	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Dibenzofuran	132-64-9	T		U	1.00E-04	2.0E-02		7.9E-03	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	3,3'-Dichlorobenzidine	91-94-1	T		U	1.10E-02	1.7E-03		1.3E-03	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	2,4-Dichlorophenol	120-83-2	T		U	2.00E-03	6.0E-02		4.6E-02	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Diethylphthalate	84-66-2	T		U	5.00E-03	1.6E+01		1.5E+01	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	2,4-Dimethylphenol	105-67-9	T		U	1.10E-02	4.0E-01		3.6E-01	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Dimethylphthalate	131-11-3	T		U	5.00E-03	1.6E+01		1.5E+01	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Di-n-butylphthalate	84-74-2	T		U	5.00E-03	2.0E+00		9.0E-01	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	4,6-Dinitro-2-methylphenol	534-52-1	T		U	2.20E-02	1.6E-03		1.5E-03	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	2,4-Dinitrophenol	51-28-5	T		U	3.20E-02	4.0E-02		3.9E-02	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Di-n-octylphthalate	117-84-0	T		U	1.20E-02	2.0E-01		2.0E-01	
TW-14	PRG25_TW14	N	05/11/20	SVOC	Fluoranthene	206-44-0	T		U	1.00E-04	8.0E-01		8.0E-01	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Fluoranthene	206-44-0	T		U	1.00E-04	8.0E-01		8.0E-01	
TW-14	PRG25_TW14	N	05/11/20	SVOC	Fluorene	86-73-7	T		U	1.00E-04	8.0E-01		2.9E-01	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Fluorene	86-73-7	T		U	1.00E-04	8.0E-01		2.9E-01	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Hexachlorobenzene	118-74-1	T		U	5.00E-04	1.0E-03		9.8E-05	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Hexachlorobutadiene	87-68-3	T		U	2.00E-03	1.0E-02		1.4E-03	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Hexachlorocyclopentadiene	77-47-4	T		U	1.20E-02	5.0E-02		4.1E-04	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Hexachloroethane	67-72-1	T		U	5.00E-03	1.4E-02		3.3E-03	
TW-14	PRG25_TW14	N	05/11/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	2.00E-04	2.5E-03		2.5E-03	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	2.00E-04	2.5E-03		2.5E-03	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Isophorone	78-59-1	T		U	2.00E-03	8.2E-01		7.8E-01	
TW-14	PRG25_TW14	N	05/11/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	1.00E-04	2.7E-02		1.1E-02	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	1.00E-04	2.7E-02		1.1E-02	
TW-14	PRG25_TW14	N	05/11/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	1.00E-04	8.0E-02		3.6E-02	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	2-Methylnaphthalene	91-57-6	T		U	1.00E-04	8.0E-02		3.6E-02	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	2-Methylphenol	95-48-7	T		U	2.00E-03	1.0E+00		9.3E-01	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	4-Methylphenol	106-44-5	T		U	2.00E-03	4.0E-01		3.7E-01	
TW-14	PRG25_TW14	N	05/11/20	SVOC	Naphthalene	91-20-3	T		U	2.00E-04	6.5E-03		1.2E-03	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Naphthalene	91-20-3	T		U	2.00E-04	6.5E-03		1.2E-03	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	2-Nitroaniline	88-74-4	T		U	7.00E-03	2.0E-01		1.9E-01	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	3-Nitroaniline	99-09-2	T		U	7.00E-03	3.9E-02		3.8E-02	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	4-Nitroaniline	100-01-6	T		U	3.00E-03	3.9E-02		3.8E-02	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	2-Nitrophenol	88-75-5	T		U	1.10E-02				
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	4-Nitrophenol	100-02-7	T		U	3.20E-02				
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	N-Nitrosodiphenylamine	86-30-6	T		U	3.00E-03	1.6E-01		1.2E-01	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T		U	3.00E-03	1.1E-04		1.1E-04	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	T		U	2.00E-03	8.0E-01		7.1E-01	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Pentachlorophenol	87-86-5	T		U	5.00E-03	1.0E-03		4.1E-04	
TW-14	PRG25_TW14	N	05/11/20	SVOC	Perylene	198-55-0	T		U	1.00E-04				
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Perylene	198-55-0	T		U	1.00E-04				
TW-14	PRG25_TW14	N	05/11/20	SVOC	Phenanthrene	85-01-8	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Phenanthrene	85-01-8	T		U	2.00E-04	6.0E-01		1.2E-01	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Phenol	108-95-2	T		U	2.00E-03	6.0E+00		5.8E+00	
TW-14	PRG25_TW14	N	05/11/20	SVOC	Pyrene	129-00-0	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Pyrene	129-00-0	T		U	1.00E-04	6.0E-01		1.2E-01	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	2,4,5-Trichlorophenol	95-95-4	T		U	2.00E-03	2.0E+00		1.2E+00	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	2,4,6-Trichlorophenol	88-06-2	T		U	2.00E-03	2.0E-02		1.2E-02	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	2,4-Dinitrotoluene	121-14-2	T		U	5.00E-03	2.5E-03		2.4E-03	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	2,6-Dinitrotoluene	606-20-2	T		U	2.00E-03	5.2E-04		4.9E-04	
TW-14	TW-14_05/11/20	N	05/11/20	SVOC	Nitrobenzene	98-95-3	T		U	2.00E-03	4.0E-02		1.4E-03	
TW-14	TW-14_05/11/20	N	05/11/20	INORG	Antimony	7440-36-0	T		U	5.00E-02	6.0E-03		7.8E-03	
TW-14	TW-14_05/11/20	N	05/11/20	INORG	Arsenic	7440-38-2	T		U	3.00E-02	1.0E-02		5.2E-04	
TW-14	TW-14_05/11/20	N	05/11/20	INORG	Barium	7440-39-3	T	6.62E-02		5.00E-03	2.0E+00	3.3E-02	3.8E+00	1.7E-02
TW-14	TW-14_05/11/20	N	05/11/20	INORG	Beryllium	7440-41-7	T		U	5.00E-03	4.0E-03		2.5E-02	
TW-14	TW-14_05/11/20	N	05/11/20	INORG	Cadmium	7440-43-9	T		U	5.00E-03	5.0E-03		1.8E-03	
TW-14	TW-14_05/11/20	N	05/11/20	INORG	Chromium (total)	7440-47-3	T		U	1.50E-02	1.0E-01		2.2E+01	
TW-14	TW-14_05/11/20	N	05/11/20	INORG	Cobalt	7440-48-4	T		U	5.00E-03	6.0E-03		6.0E-03	
TW-14	TW-14_05/11/20	N	05/11/20	INORG	Copper	7440-50-8	T		U	2.00E-02	1.3E+00		8.0E-01	
TW-14	TW-14_05/11/20	N	05/11/20	INORG	Lead	7439-92-1	T		U	1.50E-02	1.5E-02		1.5E-02	
TW-14	TW-14_05/11/20	N	05/11/20	INORG	Mercury	7439-97-6	T		U	2.00E-04	2.0E-03		5.7E-04	
TW-14	TW-14_05/11/20	N	05/11/20	INORG	Molybdenum	7439-98-7	T		U	1.00E-02	1.0E-01		1.0E-01	
TW-14	TW-14_05/11/20	N	05/11/20	INORG	Nickel	7440-02-0	T		U	1.00E-02	4.0E-01		3.9E-01	
TW-14	TW-14_05/11/20	N	05/11/20	INORG	Selenium	7782-49-2	T		U	5.00E-02	5.0E-02		1.0E-01	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-14	TW-14_05/11/20	N	05/11/20	INORG	Silver	7440-22-4	T		U	1.00E-02	1.0E-01		9.4E-02	
TW-14	TW-14_05/11/20	N	05/11/20	INORG	Thallium	7440-28-0	T		U	3.00E-02	2.0E-03		2.0E-04	
TW-14	TW-14_05/11/20	N	05/11/20	INORG	Vanadium	7440-62-2	T		U	1.00E-02	1.0E-01		8.6E-02	
TW-14	TW-14_05/11/20	N	05/11/20	INORG	Zinc	7440-66-6	T		U	2.00E-02	6.0E+00		6.0E+00	
TW-14	TW-14_08/10/20	N	08/10/20	VOC	Benzene	71-43-2	T	8.50E-04	J	1.00E-03	5.0E-03	1.7E-01	4.6E-03	1.8E-01
TW-14	TW-14_08/10/20	N	08/10/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-14	TW-14_08/10/20	N	08/10/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-14	TW-14_08/10/20	N	08/10/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-14	TW-14_08/10/20	N	08/10/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-14	TW-14_08/10/20	N	08/10/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-14	TW-14_08/10/20	N	08/10/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-14	TW-14_08/10/20	N	08/10/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-14	TW-14_08/11/20	N	08/11/20	SVOC	Acenaphthene	83-32-9	T		U	1.10E-04	1.2E+00		5.3E-01	
TW-14	TW-14_08/11/20	N	08/11/20	SVOC	Acenaphthylene	208-96-8	T	1.10E-03		1.10E-04	6.0E-01	1.8E-03	1.2E-01	9.2E-03
TW-14	TW-14_08/11/20	N	08/11/20	SVOC	Anthracene	120-12-7	T		U	1.10E-04	6.0E+00		1.8E+00	
TW-14	TW-14_08/11/20	N	08/11/20	SVOC	Benzo(a)anthracene	56-55-3	T		U	1.10E-04	2.5E-03		3.0E-04	
TW-14	TW-14_08/11/20	N	08/11/20	SVOC	Benzo(a)pyrene	50-32-8	T	4.60E-05	J	1.10E-04	2.0E-04	2.3E-01	2.5E-04	1.8E-01
TW-14	TW-14_08/11/20	N	08/11/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		U	2.00E-04	2.5E-03		2.5E-03	
TW-14	TW-14_08/11/20	N	08/11/20	SVOC	Benzo(e)pyrene	192-97-2	T		U	1.10E-04	1.8E-03		1.8E-03	
TW-14	TW-14_08/11/20	N	08/11/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		U	1.60E-04	6.0E-01		1.2E-01	
TW-14	TW-14_08/11/20	N	08/11/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		U	1.10E-04	2.5E-02		2.5E-02	
TW-14	TW-14_08/11/20	N	08/11/20	SVOC	1,1-Biphenyl	92-52-4	T		U	1.10E-04	9.7E-02		8.3E-04	
TW-14	TW-14_08/11/20	N	08/11/20	SVOC	Chrysene	218-01-9	T		U	1.10E-04	2.5E-01		2.5E-01	
TW-14	TW-14_08/11/20	N	08/11/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		U	1.10E-04	2.5E-04		2.5E-04	
TW-14	TW-14_08/11/20	N	08/11/20	SVOC	Dibenzofuran	132-64-9	T		U	1.10E-04	2.0E-02		7.9E-03	
TW-14	TW-14_08/11/20	N	08/11/20	SVOC	Fluoranthene	206-44-0	T	5.40E-05	J	1.10E-04	8.0E-01	6.8E-05	8.0E-01	6.8E-05
TW-14	TW-14_08/11/20	N	08/11/20	SVOC	Fluorene	86-73-7	T		U	1.10E-04	8.0E-01		2.9E-01	
TW-14	TW-14_08/11/20	N	08/11/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		U	2.00E-04	2.5E-03		2.5E-03	
TW-14	TW-14_08/11/20	N	08/11/20	SVOC	1-Methylnaphthalene	90-12-0	T		U	1.10E-04	2.7E-02		1.1E-02	
TW-14	TW-14_08/11/20	N	08/11/20	SVOC	2-Methylnaphthalene	91-57-6	T	1.50E-04	J	1.10E-04	8.0E-02	1.9E-03	3.6E-02	4.2E-03
TW-14	TW-14_08/11/20	N	08/11/20	SVOC	Naphthalene	91-20-3	T		U	1.80E-04	6.5E-03		1.2E-03	
TW-14	TW-14_08/11/20	N	08/11/20	SVOC	Perylene	198-55-0	T		U	1.10E-04				
TW-14	TW-14_08/11/20	N	08/11/20	SVOC	Phenanthrene	85-01-8	T		U	1.80E-04	6.0E-01		1.2E-01	
TW-14	TW-14_08/11/20	N	08/11/20	SVOC	Pyrene	129-00-0	T	1.50E-04		1.10E-04	6.0E-01	2.5E-04	1.2E-01	1.3E-03
TW-14	410-12267-2383.2_TW-14	N	12/07/20	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-14	TW-14-12072020	N	12/07/20	VOC	Benzene	71-43-2	T		U	2.00E-04	5.0E-03		4.6E-03	
TW-14	410-12267-2383.2_TW-14	N	12/07/20	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-14	TW-14-12072020	N	12/07/20	VOC	1,2-Dibromoethane	106-93-4	T		U	3.00E-04	5.0E-05		7.5E-05	
TW-14	410-12267-2383.2_TW-14	N	12/07/20	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-14	TW-14-12072020	N	12/07/20	VOC	1,2-Dichloroethane	107-06-2	T		U	2.00E-03	5.0E-03		1.7E-03	
TW-14	410-12267-2383.2_TW-14	N	12/07/20	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-14	TW-14-12072020	N	12/07/20	VOC	Ethyl Benzene	100-41-4	T		U	2.00E-04	7.0E-01		1.5E-02	
TW-14	410-12267-2383.2_TW-14	N	12/07/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-14	TW-14-12072020	N	12/07/20	VOC	Methyl tert-butyl ether	1634-04-4	T		U	2.00E-04	4.3E-01		1.4E-01	

**Attachment 1-2: Groundwater Concentrations**  
**HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-14	410-12267-2383.2_TW-14	N	12/07/20	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-14	TW-14-12072020	N	12/07/20	VOC	tert-Butyl alcohol	75-65-0	T		U	1.00E-02	1.6E+00		1.5E+00	
TW-14	410-12267-2383.2_TW-14	N	12/07/20	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-14	TW-14-12072020	N	12/07/20	VOC	Toluene	108-88-3	T		U	2.00E-04	1.0E+00		1.1E+00	
TW-14	410-12267-2383.2_TW-14	N	12/07/20	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-14	TW-14-12072020	N	12/07/20	VOC	Xylenes (total)	1330-20-7	T		U	8.00E-04	1.0E+01		1.9E-01	
TW-14	410-12267-2383.2_TW-14	N	12/07/20	SVOC	Acenaphthene	83-32-9	T		H	1.00E-04	1.2E+00		5.3E-01	
TW-14	TW-14-12072020	N	12/07/20	SVOC	Acenaphthene	83-32-9	T		UH	2.10E-05	1.2E+00		5.3E-01	
TW-14	410-12267-2383.2_TW-14	N	12/07/20	SVOC	Acenaphthylene	208-96-8	T		H	1.00E-04	6.0E-01		1.2E-01	
TW-14	TW-14-12072020	N	12/07/20	SVOC	Acenaphthylene	208-96-8	T		UH	2.10E-05	6.0E-01		1.2E-01	
TW-14	410-12267-2383.2_TW-14	N	12/07/20	SVOC	Anthracene	120-12-7	T		H	1.00E-04	6.0E+00		1.8E+00	
TW-14	TW-14-12072020	N	12/07/20	SVOC	Anthracene	120-12-7	T		UH	2.10E-05	6.0E+00		1.8E+00	
TW-14	410-12267-2383.2_TW-14	N	12/07/20	SVOC	Benzo(a)anthracene	56-55-3	T		H	1.00E-04	2.5E-03		3.0E-04	
TW-14	TW-14-12072020	N	12/07/20	SVOC	Benzo(a)anthracene	56-55-3	T		UH	2.10E-05	2.5E-03		3.0E-04	
TW-14	410-12267-2383.2_TW-14	N	12/07/20	SVOC	Benzo(a)pyrene	50-32-8	T		H	1.00E-04	2.0E-04		2.5E-04	
TW-14	TW-14-12072020	N	12/07/20	SVOC	Benzo(a)pyrene	50-32-8	T		UH	2.10E-05	2.0E-04		2.5E-04	
TW-14	410-12267-2383.2_TW-14	N	12/07/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		H	1.90E-04	2.5E-03		2.5E-03	
TW-14	TW-14-12072020	N	12/07/20	SVOC	Benzo(b)fluoranthene	205-99-2	T		UH	8.40E-05	2.5E-03		2.5E-03	
TW-14	410-12267-2383.2_TW-14	N	12/07/20	SVOC	Benzo(e)pyrene	192-97-2	T		H	1.00E-04	1.8E-03		1.8E-03	
TW-14	TW-14-12072020	N	12/07/20	SVOC	Benzo(e)pyrene	192-97-2	T		UH	2.10E-05	1.8E-03		1.8E-03	
TW-14	410-12267-2383.2_TW-14	N	12/07/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		H	1.50E-04	6.0E-01		1.2E-01	
TW-14	TW-14-12072020	N	12/07/20	SVOC	Benzo(g,h,i)perylene	191-24-2	T		UH	6.30E-05	6.0E-01		1.2E-01	
TW-14	410-12267-2383.2_TW-14	N	12/07/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		H	1.00E-04	2.5E-02		2.5E-02	
TW-14	TW-14-12072020	N	12/07/20	SVOC	Benzo(k)fluoranthene	207-08-9	T		UH	2.10E-05	2.5E-02		2.5E-02	
TW-14	410-12267-2383.2_TW-14	N	12/07/20	SVOC	1,1-Biphenyl	92-52-4	T		H	1.00E-04	9.7E-02		8.3E-04	
TW-14	TW-14-12072020	N	12/07/20	SVOC	1,1-Biphenyl	92-52-4	T		UH	4.20E-05	9.7E-02		8.3E-04	
TW-14	410-12267-2383.2_TW-14	N	12/07/20	SVOC	Chrysene	218-01-9	T		H	1.00E-04	2.5E-01		2.5E-01	
TW-14	TW-14-12072020	N	12/07/20	SVOC	Chrysene	218-01-9	T		UH	2.10E-05	2.5E-01		2.5E-01	
TW-14	410-12267-2383.2_TW-14	N	12/07/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		H	1.00E-04	2.5E-04		2.5E-04	
TW-14	TW-14-12072020	N	12/07/20	SVOC	Dibenz(a,h)anthracene	53-70-3	T		UH	2.10E-05	2.5E-04		2.5E-04	
TW-14	410-12267-2383.2_TW-14	N	12/07/20	SVOC	Dibenzofuran	132-64-9	T		H	1.00E-04	2.0E-02		7.9E-03	
TW-14	TW-14-12072020	N	12/07/20	SVOC	Dibenzofuran	132-64-9	T		UH	2.10E-05	2.0E-02		7.9E-03	
TW-14	410-12267-2383.2_TW-14	N	12/07/20	SVOC	Fluoranthene	206-44-0	T		H	1.00E-04	8.0E-01		8.0E-01	
TW-14	TW-14-12072020	N	12/07/20	SVOC	Fluoranthene	206-44-0	T		UH	2.10E-05	8.0E-01		8.0E-01	
TW-14	410-12267-2383.2_TW-14	N	12/07/20	SVOC	Fluorene	86-73-7	T		H	1.00E-04	8.0E-01		2.9E-01	
TW-14	TW-14-12072020	N	12/07/20	SVOC	Fluorene	86-73-7	T		UH	2.10E-05	8.0E-01		2.9E-01	
TW-14	410-12267-2383.2_TW-14	N	12/07/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		H	1.90E-04	2.5E-03		2.5E-03	
TW-14	TW-14-12072020	N	12/07/20	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T		UH	8.40E-05	2.5E-03		2.5E-03	
TW-14	410-12267-2383.2_TW-14	N	12/07/20	SVOC	1-Methylnaphthalene	90-12-0	T		H	1.00E-04	2.7E-02		1.1E-02	
TW-14	TW-14-12072020	N	12/07/20	SVOC	1-Methylnaphthalene	90-12-0	T		UH	2.10E-05	2.7E-02		1.1E-02	
TW-14	410-12267-2383.2_TW-14	N	12/07/20	SVOC	2-Methylnaphthalene	91-57-6	T		H	1.50E-04	8.0E-02		3.6E-02	
TW-14	TW-14-12072020	N	12/07/20	SVOC	2-Methylnaphthalene	91-57-6	T		UH	6.30E-05	8.0E-02		3.6E-02	
TW-14	410-12267-2383.2_TW-14	N	12/07/20	SVOC	Naphthalene	91-20-3	T		H	1.70E-04	6.5E-03		1.2E-03	
TW-14	TW-14-12072020	N	12/07/20	SVOC	Naphthalene	91-20-3	T		UH	6.30E-05	6.5E-03		1.2E-03	

**Attachment 1-2: Groundwater Concentrations  
HRP: Potomac River, Alexandria, VA**

Location	Sample ID	Sample Type	Sample Date	Chem Group	Chemical	CASRN	Meas Basis	Conc (mg/L)	Qual	Limit (mg/L)	Drinking Water Criterion (mg/L)	Ratio of Conc to Drinking Water Criterion	Tapwater RSLs (mg/L)	Ratio of Conc to Tapwater RSLs
TW-14	410-12267-2383.2_TW-14	N	12/07/20	SVOC	Perylene	198-55-0	T		H	1.00E-04				
TW-14	TW-14-12072020	N	12/07/20	SVOC	Perylene	198-55-0	T		UH	4.20E-05				
TW-14	410-12267-2383.2_TW-14	N	12/07/20	SVOC	Phenanthrene	85-01-8	T		H	1.70E-04	6.0E-01		1.2E-01	
TW-14	TW-14-12072020	N	12/07/20	SVOC	Phenanthrene	85-01-8	T		UH	6.30E-05	6.0E-01		1.2E-01	
TW-14	410-12267-2383.2_TW-14	N	12/07/20	SVOC	Pyrene	129-00-0	T		H	1.00E-04	6.0E-01		1.2E-01	
TW-14	TW-14-12072020	N	12/07/20	SVOC	Pyrene	129-00-0	T		UH	4.20E-05	6.0E-01		1.2E-01	
TW-14	410-33562-1_TW-14	N	03/22/21	VOC	Benzene	71-43-2	T		U	1.00E-03	5.0E-03		4.6E-03	
TW-14	TW-14-03222021	N	03/22/21	VOC	Benzene	71-43-2	T		U	2.00E-04	5.0E-03		4.6E-03	
TW-14	410-33562-1_TW-14	N	03/22/21	VOC	1,2-Dibromoethane	106-93-4	T		U	1.00E-03	5.0E-05		7.5E-05	
TW-14	TW-14-03222021	N	03/22/21	VOC	1,2-Dibromoethane	106-93-4	T		U	3.00E-04	5.0E-05		7.5E-05	
TW-14	410-33562-1_TW-14	N	03/22/21	VOC	1,2-Dichloroethane	107-06-2	T		U	5.00E-03	5.0E-03		1.7E-03	
TW-14	TW-14-03222021	N	03/22/21	VOC	1,2-Dichloroethane	107-06-2	T		U	2.00E-03	5.0E-03		1.7E-03	
TW-14	410-33562-1_TW-14	N	03/22/21	VOC	Ethyl Benzene	100-41-4	T		U	1.00E-03	7.0E-01		1.5E-02	
TW-14	TW-14-03222021	N	03/22/21	VOC	Ethyl Benzene	100-41-4	T		U	2.00E-04	7.0E-01		1.5E-02	
TW-14	410-33562-1_TW-14	N	03/22/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	1.00E-03	4.3E-01		1.4E-01	
TW-14	TW-14-03222021	N	03/22/21	VOC	Methyl tert-butyl ether	1634-04-4	T		U	2.00E-04	4.3E-01		1.4E-01	
TW-14	410-33562-1_TW-14	N	03/22/21	VOC	tert-Butyl alcohol	75-65-0	T		U	2.50E-02	1.6E+00		1.5E+00	
TW-14	TW-14-03222021	N	03/22/21	VOC	tert-Butyl alcohol	75-65-0	T		U	1.00E-02	1.6E+00		1.5E+00	
TW-14	410-33562-1_TW-14	N	03/22/21	VOC	Toluene	108-88-3	T		U	1.00E-03	1.0E+00		1.1E+00	
TW-14	TW-14-03222021	N	03/22/21	VOC	Toluene	108-88-3	T		U	2.00E-04	1.0E+00		1.1E+00	
TW-14	410-33562-1_TW-14	N	03/22/21	VOC	Xylenes (total)	1330-20-7	T		U	3.00E-03	1.0E+01		1.9E-01	
TW-14	TW-14-03222021	N	03/22/21	VOC	Xylenes (total)	1330-20-7	T		U	8.00E-04	1.0E+01		1.9E-01	
TW-14	410-33562-1_TW-14	N	03/22/21	SVOC	Acenaphthene	83-32-9	T		U	1.00E-04	1.2E+00		5.3E-01	
TW-14	TW-14-03222021	N	03/22/21	SVOC	Acenaphthene	83-32-9	T		U	2.10E-05	1.2E+00		5.3E-01	
TW-14	410-33562-1_TW-14	N	03/22/21	SVOC	Acenaphthylene	208-96-8	T	4.80E-04		1.00E-04	6.0E-01	8.0E-04	1.2E-01	4.0E-03
TW-14	TW-14-03222021	N	03/22/21	SVOC	Acenaphthylene	208-96-8	T	4.80E-04		2.10E-05	6.0E-01	8.0E-04	1.2E-01	4.0E-03



## **ATTACHMENT 2**

### **ProUCL Results**

**Attachment 2-1** – Soil ProUCL Results

**Attachment 2-2** – Groundwater ProUCL Results