

Progress Report

First Quarter 2026 Progress Report for the Former Defense Supply Center Philadelphia Facility

Contract No. [REDACTED]

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April 2026

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Progress Report

First Quarter 2026 Progress Report for the Former Defense Supply Center Philadelphia Facility

April 2026

Prepared By:

Seres – Arcadis SB JV, LLC
669 Marina Drive Suite B-7
Charleston, South Carolina 29492
Phone: [REDACTED]

Prepared For:

United States Army Corps of Engineers,
Philadelphia District

Our Ref:

Contract No. [REDACTED]
Delivery Order: [REDACTED]



[REDACTED], PG
Project Manager

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1 Introduction

This First Quarter 2026 Progress Report (Progress Report) for the Former Defense Supply Center Philadelphia (DSCP) Site presents an update regarding remediation system operations and maintenance (O&M) data. The activities described herein were conducted by the SERES-Arcadis 8(a) Joint Venture (JV), LLC (The JV), as required by the Administrative Order (Order), dated December 10, 1999, between the Commonwealth of Pennsylvania Department of Environmental Protection (PADEP) and the Department of the Army and DSCP (collectively the Defense Logistics Agency, or DLA). Petroleum hydrocarbon constituents and light non-aqueous phase liquid (LNAPL) are present in the shallow (i.e., water table) aquifer at the Site. Remediation began in 1996 using skimmer pumps installed to remove the petroleum LNAPL from the shallow aquifer. A full-scale vacuum enhanced skimming (VES) system has been in operation since 2005 and a Pilot Study Biovent-Biosparge (BV-BS) system has been operational since March 2019.

This report is submitted in accordance with the terms of the Order and summarizes Site remedial progress and environmental monitoring results from the first quarter (January, February, and March) 2026. The reduction from full quarterly progress reports to the current abridged format is based on email correspondence between the DLA and the PADEP, including approval by the PADEP in an email dated January 12, 2017. A full annual summary report is planned for the fourth quarter of 2026.

2 Quarterly Monitoring Activities

A Site-wide liquid level gauging event was conducted during the first quarter of 2026. The VES and skimming systems were deactivated on March 6, 2026 to allow liquid levels to equilibrate prior to sitewide gauging activities that were carried out on March 10, 2026. The intent of continued data collection and integration with past groundwater gauging event data is to provide remediation performance feedback on the ongoing remediation of LNAPL, as defined under the Order, and to support eventual remediation standard attainment demonstration under the Act 2 program. Groundwater sampling was also conducted at a subset of site monitoring wells within the BV-BS pilot study area during the system shutdown for the quarterly sitewide gauging event.

2.1 Sewer Monitoring- First Quarter of 2026

Sewer manholes are routinely monitored to assess the vacuum effect of the former refinery's vapor extraction system on the Packer Avenue sewer system. Sewer monitoring locations are shown on **Figure 1**. Vapor measurements were collected on January 14, February 26, and March 26, 2026, from the monitoring locations using a photo-ionization detector (PID), smoke tubes, and lower explosive limit (LEL) meter. The field readings from these monitoring events are shown in **Table 1**. Additionally, a subset of sewer monitoring locations are monitored more frequently as part of the routine BV-BS system monitoring and are also shown in **Table 1**. PID readings ranged from 0 parts per million vapor (ppmv) to 2.4 ppmv at the monitored sewer locations, which is within the typical range of values historically observed during operational periods of the sewer vapor extraction system. Readings above 0 ppmv were limited to the MH-A, MH-B, MH-C, and MH-G, 19th and Moyamensing East, 19th and Moyamensing West, and A-Roma manholes during the first quarter of 2026. The locations of these manholes are shown on **Figure 1**. As shown on **Table 1**, all but three of the nonzero PID readings were less than 1 ppm during the first quarter of 2026. PID readings above 1 ppm were limited to the MH-A, MH-B, and MH-C sewer manholes are located on the western portion of the PHA property, approximately 260 feet west,

approximately 50 feet southwest, and approximately 200 feet southwest southeast of the PHA building, respectively. No LEL readings were detected during these monitoring events.

2.2 Groundwater Gauging – First Quarter of 2026

The liquid level gauging event was conducted on March 10, 2026, during which 161 of the 165 wells were gauged. Monitoring wells that were not gauged are discussed in subsequent paragraphs. Consistent with previous quarterly events since the third quarter of 2016, access to the four wells on the SEPTA property was not available during the event because no current access agreement is in place. Four of the wells on CSX property (CSX-MW-2, CSX-MW3A, CSX-MW8, and CSX-MW9) remain unavailable for gauging because they are either damaged or buried. The monitoring well networks for all monitored horizons (i.e., shallow, intermediate and deep) are shown on **Figure 1**.

Groundwater elevations during the first quarter of 2026 were higher in 113 of the 134 shallow aquifer zone wells by an average of 0.52 feet when compared to the fourth quarter of 2025 groundwater elevations. Groundwater elevations also increased in nine of the eleven intermediate wells by an average of 0.27 ft. Similarly, groundwater elevations increased in the deep aquifer zone in 12 of the 16 deep wells, with an average increase equal to 0.34 ft. The increase in overall groundwater elevations is attributed to the greater amount of precipitation that was observed during the month before the March 2026 gauging event as compared to the December 2025 event. The National Weather Service (<https://www.weather.gov/wrh/Climate?wfo=phi>) reported that precipitation in the week prior to the March 2026 gauging event was approximately 1.55 inches greater than the precipitation amounts during the week prior to the December 2025 gauging event. In addition to the precipitation impacts to groundwater levels measured on March 10, 2026, the month prior to the March 2026 gauging event, snow accumulations reached a reported maximum of eight inches, with no reported snow depths at the time of the March 2026 gauging event. During the month prior to the December 2025 gauging event, maximum snow accumulations were 0.2 inches. Therefore, snowmelt was also a contributing factor to the observed increase in groundwater elevations observed during the March 2026 gauging event as compared to the December 2025 groundwater elevations.

Groundwater flow patterns for the shallow and deep horizons are discussed below.

1. Shallow aquifer zone (results presented on **Figure 2** and **Table 2a**):
 - a. As observed during previous reporting periods, overall groundwater flow north of the Schuylkill Expressway (I-76) is from north to south.
 - b. In the central portion of the site (i.e., immediately north and south of the I-76 corridor) groundwater flow is from east to west; however, groundwater elevations tend to vary based on proximity to the remediation system wells. Not all wells around the remediation system appear to have fully equilibrated following system shut-down and at the time of the gauging event. Water levels in areas of the site beyond the influence of the remedial system appear to be responding to snow melt that occurred prior to the first quarter 2026 gauging event as evidenced by the pronounced mounding at Steen-MW-63 and depressions observed at CSX-MW4 and EPH-MW50. While these features are consistent with observations during prior reporting periods, steeper gradients around these features are observed for this reporting event.
 - c. In the southern portion of the Site (south of the PHA building, i.e., the Sienna Place homes), groundwater flow is toward the west/southwest, which is consistent with historical observations.
2. Deep aquifer zone (results presented on **Figure 3** and **Table 2b**):

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- a. Water levels in the deep aquifer zone increased by an average of 0.34 ft; however, groundwater flow across the deeper aquifer zone continued to be from the northwest to the southeast and remains consistent with historical observations. The horizontal gradient observed in the deep aquifer is flatter than the previous reporting period. During the fourth quarter of 2025 the difference in hydraulic head was 5.29 ft, whereas during the first quarter of 2026, the difference was equal to 2.36 ft. This is attributed to the rise in groundwater levels due to seasonal fluctuations.
3. Vertical gradients:
 - a. When the groundwater elevations of nested shallow and deep aquifer pairs are considered (**Table 3**), seven of the nine well pairs showed downward vertical gradients and two well pairs (PH-MWS-11/PH-DW-10 and PH-PH-22/PH-DW-11) exhibited an upward vertical gradient. Overall, the observed vertical gradients are consistent with historical observations.
4. LNAPL:
 - a. LNAPL distribution continues to occur primarily within the trough-like depression or “breach” (**Figure 4**), which is consistent with observations during previous quarters. The breach cuts across the confining bed that otherwise separates the Site’s shallow and deep aquifer zones. LNAPL of measurable thickness (defined as ≥ 0.01 ft) was observed in 15 wells. During the previous reporting period LNAPL was also present in 15 wells, though as discussed below some occurrences were at different well locations when compared to the previous gauging event. LNAPL thicknesses for the first quarter of 2026 gauging event are presented in **Table 2** and on **Figure 4**.
 - b. Of the 15 wells where LNAPL was detected during the first quarter of 2026 gauging event, ten wells reported measurable thickness during both the current and the previous reporting periods (DSCP-MW-33, DSCP-MW-3A, DSCP-MW-65, DSCP-RW-3, DSCP-RW-6, DSCP-RW-8, DSCP-RW-9, EPH-MW-39, PH-PH-16, and PH-RW-G).

However, five wells which had LNAPL observed during the first quarter of 2026 gauging event (DSCP-MW-36, DSCP-MW-9, DSCP-RW-2, DSCP-RW-5/MW-25, and PH-PH-17) did not have measurable LNAPL during the previous gauging event. However, these wells have historically had LNAPL detected.

Conversely, there were five wells (PH-PH-18, PH-PH-20, PH-RW-C, PH-RW-CA, and PH-RW-E) that had LNAPL observed during the fourth quarter of 2025 where LNAPL was not observed during the first quarter of 2026.
 - c. LNAPL thickness ranged from 0.01 ft (DSCP-RW-2) to 2.33 ft (DSCP-RW-6). The average LNAPL thickness for the first quarter of 2026 reporting period was 0.59 ft. Five wells observed a LNAPL thickness less than 0.1 ft, whereas two wells observed LNAPL thicknesses greater than or equal to 1 ft (DSCP-MW-33 and DSCP-RW-6). Notable observations were at DSCP-MW-33 where LNAPL thickness increased by 1.70 ft (from 0.01 ft to 1.71 ft). DSCP-MW-33 episodically observes LNAPL thickness greater than 0.5 ft, though the most recent observation greater than 1 ft of LNAPL last occurred during the first quarter of 2023 (1.22 ft).
 - d. Based on first quarter of 2026 gauging results, the northernmost extent of observed LNAPL occurred at DSCP-MW3A (0.62 ft) which is near the northern edge of the breach. Typically, DSCP-MW-59 has been the northernmost well where LNAPL is observed, though during this

reporting period, LNAPL was not measured at DSCP-MW-59. The southernmost extent of observed LNAPL occurred at PH-RW-G (0.95 ft), which is located on the southern edge of the mapped extent of the breach. The western extent of the LNAPL was observed at DSCP-RW-2 (0.01 ft), and DSCP-MW-9 (0.08 ft) marked the eastern extent of the LNAPL. The location with the most LNAPL was DSCP-RW-6 (LNAPL thickness of 2.33 ft during the first quarter 2026 reporting period as compared to 1.8 ft during the fourth quarter 2025 reporting period). As shown on **Figure 4**, the occurrence of LNAPL is primarily observed in the center of the breach, north of the PHA building and west of the U-Haul building.

5. Sheens:

Wells were screened for both LNAPL and a sheen. As noted above, LNAPL was defined as a measurable thickness ≥ 0.01 ft with an interface probe, while a sheen is a tone with the interface probe with no measurable thickness. A sheen was reported in the following 16 wells: PH-MW-37, PH-MW-55, PH-MW-56, PH-MW-58, PH-MWS-1, PH-MWS-13, PH-MWS-15, PH-MWS-4, PH-PH-1, PH-PH-20, PH-PH-22, PH-RW-A, PH-RW-C, PH-RW-CA, PH-RW-D, and PH-RW-E.

3 Quarterly Operations and Maintenance Activities

The Site's fixed skimming systems and VES system were operational for the duration of the first quarter of 2026, with notable exceptions being the shutdowns described in Section 3.1 of this report.

Recovery totals are provided in **Tables 1** through **4** in **Attachment 1**; mass tracking calculations are provided in **Attachment 2**.

3.1 System Operation, Downtime, and Repairs

The VES system was online throughout first quarter of 2026, but was shut down and remained offline during the following periods of time:

- January 23 through January 26 due to a thermal oxidizer failure related to extreme cold temperatures.
- February 7 through February 9 due to a thermal oxidizer failure related to extreme cold temperatures.
- March 6 through 13 in advance of the sitewide synoptic groundwater gauging and BV-BS sampling events.

The BV and/or BS systems were operational during the first quarter of 2026 except for when the VES system was offline, as described above. The BV and BS systems are typically only taken offline during the periods when the VES system is offline or for repairs.

3.2 Recovery Totals and Vapor Data

Mass recovery totals for the VES system were calculated using system monitoring field data and laboratory-analyzed TO-15 summa canister vapor data. Vapor samples were collected on January 2, January 22, February 10, February 20, March 4, and March 27 during the quarter.

Table 1 of **Attachment 1** shows the LNAPL recovery by VES totals over time and **Tables 2** through **4** of **Attachment 1** illustrate the total LNAPL recovery per well. The calculated recovery during the first quarter of 2026 were:

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- VES (by vapor): 1,122 gallons (gal)
- Former DSCP fixed skimming system: 0 gal
- Former Passyunk Homes fixed skimming system: 0 gal
- Modular LNAPL recovery systems (this includes wells manually pumped during this quarter): 0 gal
- Total recovery for the first quarter of 2026: 1,122 gal

The cumulative recovery of LNAPL (including mass recovered as vapor) since the start of LNAPL recovery operations in 1996 through the end of the first quarter of 2026 is 1,095,344 gal. Historical quarterly recovery totals associated with the Former DSCP fixed skimming system, the Former Passyunk Homes fixed skimming system, and the modular LNAPL recovery systems are shown on **Tables 2, 3, and 4**, respectively, of **Attachment 1**.

As shown on **Table 4** of **Attachment 1**, no LNAPL recovery was conducted by manual skimming from wells during the first quarter of 2026. The fixed and modular skimming systems have not been in operation since 2019, as LNAPL recovery rates are too low to warrant the use of these systems. LNAPL recovery by way of manual skimming is now utilized when LNAPL is present in thicknesses great enough to warrant skimming (greater than 0.3 feet). The modular skimming systems, which are portable, can also be deployed if LNAPL thicknesses increase in wells and there is sufficient area to stage the modular system.

Estimated mass degraded in-situ by biodegradation based on isotopic analytical results collected in the first quarter of 2026 are provided in **Table 4** of **Attachment 2**. An estimated 70,480 pounds of volatile organic compounds (VOCs) were degraded in-situ as measured by carbon dioxide (CO₂) recovered during the quarter. This yields another 11,869 gal of LNAPL remediated in the first quarter of 2026 by in-situ degradation. The estimated cumulative mass degraded in-situ by biodegradation, as quantified by CO₂ recovered, through the end of the first quarter of 2026 is 623,548 gallons (3,700,778 lbs). This total is not added to the total mass recovery by the VES system.

3.3 Biovent-Biosparge System Operation

A BV-BS pilot system began operating in 2019 to accelerate in-situ bioremediation in an area of the site where the hydrogeology and infrastructure are favorable for BV-BS operation. The purpose of the BV-BS system is to inject oxygen (O₂) into the subsurface and accelerate the remediation of LNAPL through in-situ aerobic bioremediation. A six-month period of performance for the BV-BS pilot commenced on March 6, 2019, and ended on September 5, 2019; however, the BV-BS pilot system was kept online to date due to favorable results.

The monitoring activities conducted to assess the effects of the BV-BS pilot system include sewer vapor monitoring at manholes located adjacent to the BV-BS pilot area, groundwater sampling of wells within the pilot study area, and tracking of O₂ injection rates. Respirometry testing of monitoring wells MW-66 and MW-67 ceased in the third quarter of 2024. The data has shown that the pilot area has come into a steady state and further respirometry and head space testing was no longer necessary. Results of the groundwater sampling within the BV-BS pilot study area are included in **Tables 4** (VOCs) and **5** (metals), and laboratory analytical reports for this data is included in **Attachment 3**.

The BV-BS pilot system cannot operate without the VES system online to recover soil vapor in the pilot test area. For that reason, it was also offline during the same periods of time as the VES system was during the first quarter of 2026. Operational changes to the BV-BS system are made based on the VES operation performance, including thermal oxidizer fuel usage and influent LEL and O₂ concentration. Generally, the BV system is not operated continuously as VOC mass and methane concentrations in the BV pilot area have been significantly reduced, causing clean air injected here to be recovered by the VES system subsequently reducing the thermal oxidizer

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fuel usage efficiency. The BS portion of the pilot system is kept operating to inject air below the water table to remediate the groundwater plume as it flows through the pilot area, which maintains the remedial goal of the BV-BS system without compromising operational efficiency. During the first quarter of 2026, the BS pilot system remained operational. The BV pilot system was not operated during the first quarter of 2026.

Total operating flows for the BS system averaged 1.3 standard cubic feet per minute (SCFM) to the 14 BS wells (at target flow rate of 1.5 SCFM per well) during its period of operation. As discussed above, the BV system was not operational during the first quarter of 2026.

During the first quarter of 2026:

- BV system injected 0 pounds (lbs) of O₂ into the pilot area equating to 0 lbs of VOCs as benzene degraded in-situ.
- BS system injected 36,487 lbs of O₂ into the pilot area equating to 10,425 lbs of VOCs as benzene degraded in-situ.

Cumulatively, the BV-BS pilot has injected 2,238,301 lbs of O₂ into the pilot area contributing to an estimated 639,515 lbs of VOCs as benzene degraded in-situ. These calculations are estimates that assume that all O₂ reacts with benzene in the subsurface. These values and calculations are included in the BV-BS oxygenation table (**Attachment 4**).

The data and conclusions from the continued monitoring of the BV-BS pilot system will be provided in the 2026 Annual Report. However, several positive changes have been observed within the pilot study area from the continued operation of the BV-BS system, including:

- Abating methane (CH₄) concentrations in the soil gas within the pilot study area as the pilot area has become more aerobic.
- Decreased headspace volatile organic compounds (VOCs) in pilot study area monitoring wells (MW-66 and MW-67) as VOCs are remediated.
- Higher oxygen (O₂) levels in the vapor-enhanced skimming (VES) combined influent in direct correlation to rise in O₂ levels in the pilot study area.
- Reduction of VOCs groundwater concentrations from baseline concentrations in monitoring wells within the portions of the pilot study area affected by the BV-BS system (such as in monitoring wells MW-66 and MW-67, and recovery wells RW-A, RW-A2).

Operation and monitoring of the BV-BS system will continue throughout 2026, and the results will be included in the 2026 Annual Report.

4 Waste Management

No Investigative Derived Waste (IDW) was disposed of offsite during this reporting period.

5 Regulatory Status

The work being conducted, as discussed herein, is in accordance with Pennsylvania's Land Recycling Program and Environmental Remediation Standards Act of 1995 (Act 2) - Title 25 of the Pennsylvania Code, Chapter 250, Administration of the Land Recycling Program (25 PA Code), last revised November 20, 2021 and PADEP's Act 2 Technical Guidance Manual, effective March 27, 2021. On April 4, 2017, DLA submitted an updated Notice of Intent

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to Remediate (NIR) in accordance with 25 PA Code §250.5. DLA continues to work on addressing PADEP comments regarding the previously submitted RIR/CP and updates are provided to the PADEP on a quarterly basis. Prior to the resubmission of the RIR/CP, the first of two public meetings will be held online on April 29, 2026, starting at 6 pm. Notifications have been published in three local newspapers with either emails and/or letters sent to 600 nearby stakeholders. Affidavits from the local newspaper publications are included as **Attachment 5**.

DLA and USACE regularly engage PADEP through regularly scheduled quarterly progress meetings and as needed to support progress at the site. The last quarterly progress meeting with PADEP was on [REDACTED] (meeting minutes will be submitted separately).

6 Conclusions

This report serves to update PADEP on activities completed and data collected during the first quarter of 2026. A comprehensive annual report, incorporating quarterly data, will be submitted at the end of the fourth quarter of 2026.

The overall goal of the ongoing optimization testing, and related activities described above, is to expedite LNAPL remediation at the Former DSCP Site. Data derived and lessons learned from these efforts will continue be applied, leveraging existing site infrastructure as appropriate, noting modifications to remediation O&M procedures or equipment are subject to the availability of funds.

Tables

Table 1
Summary of Packer Avenue Sewer Readings - First Quarter 2026
Former Defense Supply Center Philadelphia

Date mm/dd/yyyy	Manhole ID	PID ppmv	LEL %	Air Flow IN/OUT
1/5/2026	MH-A	0	0	OUT
1/5/2026	MH-B	0	0	OUT
1/5/2026	MH-C	0	0	OUT
1/8/2026	MH-A	0	0	IN
1/8/2026	MH-B	0	0	IN
1/8/2026	MH-C	0	0	OUT
1/12/2026	MH-A	0	0	OUT
1/12/2026	MH-B	0	0	OUT
1/12/2026	MH-C	0	0	OUT
1/14/2026	19th Street (Near cut through)	0	0	IN
1/14/2026	19th & Moyamensing East	0.4	0	OUT
1/14/2026	19th & Moyamensing West	0.5	0	OUT
1/14/2026	Pollock & Moyamensing	0		
1/14/2026	A-Roma	0.3	0	OUT
1/14/2026	B-Roma	0	0	IN
1/14/2026	MH-A	0	0	IN
1/14/2026	MH-B	1.7	0	OUT
1/14/2026	MH-C	2.4	0	OUT
1/14/2026	MH-G	0.2	0	IN
1/19/2026	MH-A	0	0	OUT
1/19/2026	MH-B	0	0	OUT
1/19/2026	MH-C	0	0	OUT
1/22/2026	MH-A	0	0	OUT
1/22/2026	MH-B	0	0	OUT
1/22/2026	MH-C	0	0	OUT
1/29/2026	MH-A	0	0	OUT
1/29/2026	MH-B	0	0	OUT
1/29/2026	MH-C	0	0	OUT
1/30/2026	MH-A	0.1	0	OUT
1/30/2026	MH-B	0	0	IN
1/30/2026	MH-C	0	0	OUT

Table 1
Summary of Packer Avenue Sewer Readings - First Quarter 2026
Former Defense Supply Center Philadelphia

Date mm/dd/yyyy	Manhole ID	PID ppmv	LEL %	Air Flow IN/OUT
2/3/2026	MH-A	0.1	0	OUT
2/3/2026	MH-B	0		OUT
2/3/2026	MH-C	0	0	OUT
2/6/2026	MH-A	0	0	IN
2/6/2026	MH-B	0.4	0	OUT
2/6/2026	MH-C	0.4	0	OUT
2/10/2026	MH-A	0	0	IN
2/10/2026	MH-B	0.1	0	OUT
2/10/2026	MH-C	0.1	0	OUT
2/12/2026	MH-A	0.1	0	OUT
2/12/2026	MH-B	0.1	0	OUT
2/12/2026	MH-C	0.1	0	OUT
2/18/2026	MH-A	0	0	IN
2/18/2026	MH-B	0.1	0	OUT
2/18/2026	MH-C	0.1	0	OUT
2/19/2026	MH-A	0	0	IN
2/19/2026	MH-B	0	0	OUT
2/19/2026	MH-C	0	0	OUT
2/24/2026	MH-A	0.1	0	OUT
2/24/2026	MH-B	0	0	IN
2/24/2026	MH-C	0	0	OUT
2/26/2026	19th Street (Near cut through)	0	0	OUT
2/26/2026	19th & Moyamensing East	0	0	OUT
2/26/2026	Pollock & Moyamensing	0		
2/26/2026	19th & Moyamensing West	0	0	OUT
2/26/2026	A-Roma	0	0	OUT
2/26/2026	B-Roma	0	0	OUT
2/26/2026	MH-A	0	0	IN
2/26/2026	MH-B	0	0	OUT
2/26/2026	MH-C	0	0	OUT
2/26/2026	MH-G	0	0	OUT

Table 1
Summary of Packer Avenue Sewer Readings - First Quarter 2026
Former Defense Supply Center Philadelphia

Date mm/dd/yyyy	Manhole ID	PID ppmv	LEL %	Air Flow IN/OUT
3/2/2026	MH-A	0		OUT
3/2/2026	MH-B	0		OUT
3/2/2026	MH-C	0		OUT
3/5/2026	MH-A	0		OUT
3/5/2026	MH-B	0.1		OUT
3/5/2026	MH-C	0		OUT
3/19/2026	MH-A	0	0	OUT
3/19/2026	MH-B	0	0	IN
3/19/2026	MH-C	0	0	OUT
3/20/2026	MH-A	0	0	OUT
3/20/2026	MH-B	0.1	0	OUT
3/20/2026	MH-C	0	0	OUT
3/25/2026	MH-A	0	0	OUT
3/25/2026	MH-B	0	0	OUT
3/25/2026	MH-C	0	0	OUT
3/26/2026	19th Street (Near cut through)	0	0	OUT
3/26/2026	19th & Moyamensing West	0.1	0	OUT
3/26/2026	19th & Moyamensing East	0	0	OUT
3/26/2026	Pollock & Moyamensing	0		
3/26/2026	A-Roma	0.1	0	OUT
3/26/2026	B-Roma	0	0	OUT
3/26/2026	MH-A	0	0	IN
3/26/2026	MH-B	0	0	OUT
3/26/2026	MH-C	0	0	OUT
3/26/2026	MH-G	0	0	OUT
3/30/2026	MH-A	1	0	OUT
3/30/2026	MH-B	1.4	0	OUT
3/30/2026	MH-C	0.4	0	OUT

Notes:

NM = Sewer not monitored at time of reading

ppmv = parts per million volume

Table 2a
Liquid Level Gauging Data - First Quarter 2026 - Shallow Wells
Former Defense Supply Center Philadelphia

Well ID	Monitoring Zone	Date	Groundsurface Elevation (ft amsl)	Top of Casing Elev (ft amsl)	Reported Depth to LNAPL (ft)	Reported Depth to Water (ft)	Reported LNAPL Thickness (ft)	Reported LNAPL Elevation (ft amsl)	Reported Corrected Water Elevation (ft amsl)	Sheen (Yes/No)
Shallow Wells										
CSX-MW1	Shallow	3/11/2026	50.08	51.78		44.11			7.67	No
CSX-MW4	Shallow	3/11/2026	46.26	46.10		48.20			-2.10	No
CSX-MW5	Shallow	3/11/2026	48.81	48.72		45.93			2.79	No
CSX-MW7	Shallow	3/11/2026	43.83	46.13		45.70			0.43	No
DSCP-MW-1	Shallow	3/10/2026	22.28	21.81		20.55			1.26	No
DSCP-MW-10	Shallow	3/10/2026	15.85	15.51		12.14			3.37	No
DSCP-MW-11	Shallow	3/10/2026	19.57	16.03	14.59	14.59	0.00	1.44	1.44	Yes
DSCP-MW-12	Shallow	3/10/2026	18.79	18.53		16.61			1.92	No
DSCP-MW-13	Shallow	3/10/2026	19.62	19.37		17.38			1.99	No
DSCP-MW-14	Shallow	3/10/2026	19.92	17.66	16.54	16.54	0.00	1.12	1.12	No
DSCP-MW-15	Shallow	3/10/2026	22.91	22.58		21.49			1.09	No
DSCP-MW-16	Shallow	3/10/2026	18.99	19.37		17.94			1.43	No
DSCP-MW-17	Shallow	3/10/2026	22.19	21.92		19.97			1.95	No
DSCP-MW-19	Shallow	3/10/2026	20.31	22.13		18.76			3.37	No
DSCP-MW-1A	Shallow	3/10/2026	22.39	22.08		19.84			2.24	No
DSCP-MW-2	Shallow	3/10/2026	21.07	20.83		19.90			0.93	No
DSCP-MW-20	Shallow	3/10/2026	25.05	24.67		20.62			4.05	No
DSCP-MW-21A	Shallow	3/10/2026	20.21	21.21		18.60			2.61	No
DSCP-MW-23A	Shallow	3/10/2026	22.26	21.87		20.87			1.00	No
DSCP-MW-24	Shallow	3/11/2026	20.10	19.96		18.36			1.60	No
DSCP-MW-27A	Shallow	3/10/2026	21.29	24.05		22.46			1.59	No
DSCP-MW-28	Shallow	3/10/2026	22.52	18.48		17.58			0.90	No
DSCP-MW-29	Shallow	3/10/2026	22.03	18.75		17.68			1.07	No
DSCP-MW-2B	Shallow	3/10/2026	20.66	21.34		19.31			2.03	No
DSCP-MW-30	Shallow	3/10/2026	20.06	19.64		18.61			1.03	No
DSCP-MW-31	Shallow	3/10/2026	20.34	18.09		16.06			2.03	No
DSCP-MW-32	Shallow	3/10/2026	19.55	18.23		17.22			1.01	No
DSCP-MW-33	Shallow	3/10/2026	19.63	17.48	16.20	17.91	1.71	1.28	0.97	No
DSCP-MW-34	Shallow	3/10/2026	19.33	16.38		12.71			3.67	No
DSCP-MW-35A	Shallow	3/10/2026	19.93	16.91		17.73			-0.82	No
DSCP-MW-36	Shallow	3/10/2026	19.44	19.24	18.13	18.21	0.08	1.11	1.10	No
DSCP-MW-3A	Shallow	3/10/2026	19.73	20.95	19.78	20.40	0.62	1.17	1.06	No
DSCP-MW-44A	Shallow	3/10/2026	20.69	20.61		18.97			1.64	No
DSCP-MW-45A	Shallow	3/10/2026	23.63	23.56		19.89			3.67	No
DSCP-MW-4A	Shallow	3/10/2026	22.66	22.21		21.30			0.91	No
DSCP-MW-5	Shallow	3/10/2026	19.82	17.26		16.25			1.01	No
DSCP-MW-53	Shallow	3/10/2026	18.45	18.02		15.93			2.09	No
DSCP-MW-54	Shallow	3/10/2026	19.36	18.96		16.96			1.98	No
DSCP-MW-59	Shallow	3/10/2026	16.44	15.80		13.92			1.88	No
DSCP-MW-6	Shallow	3/10/2026	20.53	20.17		19.13			1.04	No
DSCP-MW-65	Shallow	3/10/2026	20.84	20.18	19.10	19.39	0.29	1.08	1.03	No
DSCP-MW-7	Shallow	3/10/2026	18.85	18.49		16.99			1.50	No

Table 2a
Liquid Level Gauging Data - First Quarter 2026 - Shallow Wells
Former Defense Supply Center Philadelphia

Well ID	Monitoring Zone	Date	Groundsurface Elevation (ft amsl)	Top of Casing Elev (ft amsl)	Reported Depth to LNAPL (ft)	Reported Depth to Water (ft)	Reported LNAPL Thickness (ft)	Reported LNAPL Elevation (ft amsl)	Reported Corrected Water Elevation (ft amsl)	Sheen (Yes/No)
Shallow Wells (continued)										
DSCP-MW-9	Shallow	3/10/2026	19.35	19.07	17.12	17.20	0.08	1.95	1.94	No
DSCP-PREPACK-01	Shallow	3/10/2026	20.84	20.55		19.49			1.06	No
DSCP-PREPACK-02	Shallow	3/10/2026	20.46	20.25		19.19			1.06	No
DSCP-RW-10	Shallow	3/10/2026	19.62	16.39	15.21	15.21	0.00	1.18	1.18	No
DSCP-RW-11	Shallow	3/10/2026	20.13	18.96		17.19			1.77	No
DSCP-RW-1A	Shallow	3/10/2026	20.30	17.77		16.71			1.06	No
DSCP-RW-2	Shallow	3/10/2026	22.28	18.80	17.88	17.89	0.01	0.92	0.92	No
DSCP-RW-3	Shallow	3/10/2026	21.26	18.16	17.04	17.99	0.95	1.12	0.95	No
DSCP-RW-4	Shallow	3/10/2026	19.88	17.20		16.02			1.18	No
DSCP-RW-5/MW-25	Shallow	3/10/2026	19.69	17.01	15.81	16.02	0.21	1.20	1.16	No
DSCP-RW-6	Shallow	3/10/2026	19.42	16.62	15.37	17.70	2.33	1.25	0.83	No
DSCP-RW-7	Shallow	3/10/2026	19.17	16.96		15.89			1.07	No
DSCP-RW-8	Shallow	3/10/2026	19.89	16.85	15.64	16.52	0.88	1.21	1.05	No
DSCP-RW-9	Shallow	3/10/2026	19.69	16.66	15.30	15.79	0.49	1.36	1.27	No
EPH-MW-39	Shallow	3/10/2026	14.75	14.33	13.17	13.19	0.02	1.16	1.16	No
EPH-MW-48	Shallow	3/10/2026	14.25	13.83		12.52			1.31	No
EPH-MW-49	Shallow	3/10/2026	16.36	16.14		14.96			1.18	No
EPH-MW-50	Shallow	3/10/2026	15.91	15.68		18.58			-2.90	No
EPH-MWS-10	Shallow	3/11/2026	15.26	14.98		11.27			3.71	No
EPH-MWS-11	Shallow	3/10/2026	14.84	14.64		13.58			1.06	No
EPH-MWS-5	Shallow	3/10/2026	14.53	14.19		12.82			1.37	No
EPH-PH-5	Shallow	3/10/2026	14.38	14.03		13.05			0.98	No
EPH-PH-7	Shallow	3/10/2026	13.78	13.51		10.79			2.72	No
PH-MW-37	Shallow	3/10/2026	21.81	21.99		15.49			6.50	Yes
PH-MW-40	Shallow	3/10/2026	14.57	14.16		13.13			1.03	No
PH-MW-41	Shallow	3/10/2026	18.37	19.08		18.01			1.07	No
PH-MW-42	Shallow	3/10/2026	20.94	20.35		19.52			0.83	No
PH-MW-43	Shallow	3/10/2026	22.37	26.22		25.53			0.69	No
PH-MW-51	Shallow	3/10/2026	16.29	15.78		14.67			1.11	No
PH-MW-55	Shallow	3/10/2026	21.66	23.22		22.41			0.81	Yes
PH-MW-56	Shallow	3/11/2026	19.80	19.65		18.50			1.15	Yes
PH-MW-57	Shallow	3/10/2026	19.83	20.02		19.62			0.40	No
PH-MW-58	Shallow	3/10/2026	22.08	21.53		20.78			0.75	Yes
PH-MW-60	Shallow	3/10/2026	15.97	15.38		14.19			1.19	No
PH-MW-66	Shallow	3/10/2026	22.29	22.11		21.26			0.85	No
PH-MW-67	Shallow	3/10/2026	21.43	21.34		20.49			0.85	No
PH-MWS-1	Shallow	3/10/2026	23.21	26.07		25.35			0.72	Yes
PH-MWS-13	Shallow	3/10/2026	22.16	20.97		20.24			0.73	Yes
PH-MWS-15	Shallow	3/10/2026	16.87	16.51		15.31			1.20	Yes
PH-MWS-2A	Shallow	3/10/2026	16.95	15.79		14.68			1.11	No
PH-MWS-3	Shallow	3/10/2026	14.31	13.14		11.93			1.21	No
PH-MWS-4	Shallow	3/10/2026	15.06	14.74		13.28			1.46	Yes

Table 2a
Liquid Level Gauging Data - First Quarter 2026 - Shallow Wells
Former Defense Supply Center Philadelphia

Well ID	Monitoring Zone	Date	Groundsurface Elevation (ft amsl)	Top of Casing Elev (ft amsl)	Reported Depth to LNAPL (ft)	Reported Depth to Water (ft)	Reported LNAPL Thickness (ft)	Reported LNAPL Elevation (ft amsl)	Reported Corrected Water Elevation (ft amsl)	Sheen (Yes/No)
Shallow Wells (continued)										
PH-PH-1	Shallow	3/10/2026	22.72	25.42		24.67			0.75	Yes
PH-PH-13	Shallow	3/10/2026	21.44	17.52		17.12			0.40	No
PH-PH-14	Shallow	3/10/2026	25.94	24.84		23.78			0.60	No
PH-PH-16	Shallow	3/10/2026	19.76	18.54	17.41	17.43	0.02	1.13	1.13	Yes
PH-PH-17	Shallow	3/10/2026	15.80	17.11	15.98	16.18	0.20	1.13	1.09	Yes
PH-PH-18	Shallow	3/10/2026	15.30	18.01		16.95			1.06	No
PH-PH-19	Shallow	3/10/2026	20.75	18.78		17.76			1.02	No
PH-PH-2	Shallow	3/11/2026	20.65	20.26		19.38			0.88	No
PH-PH-20	Shallow	3/10/2026	19.44	19.53		18.62			0.91	Yes
PH-PH-21	Shallow	3/10/2026	21.72	23.20		22.41			0.79	No
PH-PH-22	Shallow	3/10/2026	22.79	21.97		22.26			-0.29	Yes
PH-PH-23	Shallow	3/11/2026	19.52	19.48		18.26			1.22	No
PH-PH-24	Shallow	3/11/2026	18.31	18.83		16.86			1.97	No
PH-PH-3	Shallow	3/11/2026	21.24	21.21		19.55			1.66	No
PH-PH-4	Shallow	3/10/2026	17.67	17.27		16.00			1.27	No
PH-PH-6	Shallow	3/10/2026	21.63	20.21		22.57			-2.36	No
PH-PZ-4	Shallow	3/10/2026	21.21	21.23		18.29			2.94	No
PH-RW-A	Shallow	3/10/2026	21.48	18.60		17.85			0.75	Yes
PH-RW-A2	Shallow	3/10/2026	21.51	20.75		19.97			0.78	No
PH-RW-B	Shallow	3/10/2026	21.14	20.14		19.18			0.96	No
PH-RW-B2	Shallow	3/10/2026	20.54	20.89		20.01			0.88	No
PH-RW-C	Shallow	3/10/2026	18.37	20.03		19.09			0.94	Yes
PH-RW-CA	Shallow	3/10/2026	18.99	19.24		18.23			1.01	Yes
PH-RW-D	Shallow	3/10/2026	19.29	19.73		18.66			1.07	Yes
PH-RW-E	Shallow	3/10/2026	18.29	18.22		16.98			1.24	Yes
PH-RW-F	Shallow	3/10/2026	17.87	16.42		15.29			1.13	No
PH-RW-G	Shallow	3/10/2026	31.02	29.60	28.53	29.48	0.95	1.07	0.90	Yes
PH-RW-H	Shallow	3/10/2026	20.03	17.54		16.56			0.98	No
PH-RW-I	Shallow	3/10/2026	20.54	17.23		16.39			0.84	No
PH-RW-12	Shallow	3/10/2026	20.42	19.61		18.42			1.19	No
PH-RW-M	Shallow	3/10/2026	20.26	19.77		18.71			1.06	No
PH-RW-N	Shallow	3/10/2026	14.94	13.84		12.63			1.21	No
PH-RW-O	Shallow	3/10/2026	17.05	15.71		17.50			-1.79	No
PH-RW-P	Shallow	3/11/2026	19.88	18.59		17.45			1.14	No
PH-RW-Q	Shallow	3/10/2026	20.37	18.41		17.39			1.02	No
PH-RW-S	Shallow	3/10/2026	21.34	20.50		19.48			1.02	No
PH-RW-T	Shallow	3/10/2026	20.09	18.56		17.48			1.08	No
PH-RW-U	Shallow	3/10/2026	20.27	17.82		17.02			0.80	No
PH-RW-V	Shallow	3/10/2026	21.13	19.58		18.75			0.83	No
PH-RW-V2	Shallow	3/10/2026	21.14	20.50		19.05			1.45	No
PH-RW-W	Shallow	3/10/2026	22.32	20.73		19.99			0.74	No
PH-RW-W2	Shallow	3/10/2026	22.32	21.42		18.71			2.71	No

Table 2a
Liquid Level Gauging Data - First Quarter 2026 - Shallow Wells
Former Defense Supply Center Philadelphia

Well ID	Monitoring Zone	Date	Groundsurface Elevation (ft amsl)	Top of Casing Elev (ft amsl)	Reported Depth to LNAPL (ft)	Reported Depth to Water (ft)	Reported LNAPL Thickness (ft)	Reported LNAPL Elevation (ft amsl)	Reported Corrected Water Elevation (ft amsl)	Sheen (Yes/No)
Shallow Wells (continued)										
SSEPTA-PH-8	Shallow	3/10/2026	15.62	15.02		12.72			2.30	No
STEEN-MW-61	Shallow	3/10/2026	21.08	20.74		21.03			-0.29	No
STEEN-MW-62	Shallow	3/10/2026	19.86	19.59		18.28			1.31	No
STEEN-MW-63	Shallow	3/10/2026	20.92	20.65		16.53			4.12	No
STEEN-MW-64	Shallow	3/10/2026	22.33	21.79		22.28			-0.49	No
STEEN-PH-10	Shallow	3/10/2026	21.45	20.80		20.52			0.28	No
STEEN-PH-11	Shallow	3/10/2026	21.13	20.63		19.73			0.90	No
STEEN-PH-12	Shallow	3/10/2026	20.83	20.48		20.31			0.17	No

Notes:
Elevations are per North American Vertical Datum of 1988 (NAVD 88).
ft amsl - feet above mean sea level
NM - Liquid levels not measured during this event.

Table 2b
Liquid Level Gauging Data - First Quarter 2026 - Intermediate and Deep Wells
Former Defense Supply Center Philadelphia

Well ID	Monitoring Zone	Date	Groundsurface Elevation (ft amsl)	Top of Casing Elev (ft amsl)	Reported Depth to LNAPL (ft)	Reported Depth to Water (ft)	Reported LNAPL Thickness (ft)	Reported LNAPL Elevation (ft amsl)	Reported Corrected Water Elevation (ft amsl)	Sheen (Yes/No)
Intermediate Wells										
CSX-IW-5	Intermediate	3/11/2026	48.94	48.63		47.21			1.42	No
DSCP-IW-1	Intermediate	3/10/2026	21.85	21.71		20.75			0.96	No
DSCP-IW-12	Intermediate	3/10/2026	21.76	21.62		20.72			0.90	No
DSCP-IW-13	Intermediate	3/10/2026	19.52	19.25		18.17			1.08	No
PH-IW-10	Intermediate	3/10/2026	23.06	25.94		25.11			0.83	No
PH-IW-11	Intermediate	3/10/2026	22.57	21.95		21.19			0.76	No
PH-IW-2	Intermediate	3/10/2026	17.35	16.71		15.61			1.10	Yes
PH-IW-3	Intermediate	3/10/2026	12.45	12.19		11.25			0.94	No
STEEN-IW-07	Intermediate	3/10/2026	20.27	19.91		19.19			0.72	No
STEEN-IW-08	Intermediate	3/10/2026	21.54	21.44		20.72			0.72	No
STEEN-IW-09	Intermediate	3/10/2026	21.48	21.16		20.42			0.74	No
Deep Wells										
CSX-DW-4	Deep	3/11/2026	42.83	42.59		41.71			0.88	No
CSX-DW-5	Deep	3/11/2026	48.89	48.61		46.93			1.68	No
DSCP-DW-1	Deep	3/10/2026	22.02	21.95		21.11			0.84	No
DSCP-DW-12	Deep	3/10/2026	21.67	21.60		20.73			0.87	No
DSCP-DW-13	Deep	3/10/2026	19.58	19.20		18.15			1.05	No
DSCP-DW-6	Deep	3/10/2026	21.86	21.67		20.82			0.85	No
DSCP-MW-20D	Deep	3/10/2026	25.18	24.81		23.67			1.14	No
FDR-DW-15	Deep	3/10/2026	13.58	13.58		14.26			-0.68	No
NOVA-DW-14	Deep	3/10/2026	15.18	15.18		15.68			-0.50	No
PH-DW-10	Deep	3/10/2026	23.20	25.90		25.08			0.82	No
PH-DW-11	Deep	3/11/2026	22.51	22.04		21.19			0.85	No
PH-DW-2	Deep	3/10/2026	16.51	16.51		16.70			-0.19	Yes
PH-DW-3	Deep	3/10/2026	12.27	12.27		12.02			0.25	No
STEEN-DW-07	Deep	3/10/2026	20.22	19.88		19.09			0.79	No
STEEN-DW-08	Deep	3/10/2026	21.50	21.27		20.58			0.69	No
STEEN-DW-09	Deep	3/10/2026	21.45	21.11		20.35			0.76	No

Notes:
Elevations are per Nith American Vertical Datum of 1988 (NAVD 88).
ft amsl - feet above mean sea level
NM - Liquid levels not measured during this event.

Table 3
Groundwater Vertical Gradients
Former Defense Supply Center Philadelphia
First Quarter 2026

Date	Ground Elev. (feet)		Reported Depth to LNAPL (feet)		Reported Depth to Water (feet)		Reported LNAPL Thickness (feet)		Reported LNAPL Elevation (feet)		Reported Corrected Water Elevation (feet)	Gradient t (feet)	
	CSX-DW-4	DSCP-MW-7	CSX-DW-4	DSCP-MW-7	CSX-DW-4	DSCP-MW-7	CSX-DW-4	DSCP-MW-7	CSX-DW-4	DSCP-MW-7	CSX-DW-4	DSCP-MW-7	
													Well ID
5/5/2005			42.59		CSX-DW-4	41.43		DSCP-MW-7		CSX-DW-4		DSCP-MW-7	
5/18/2005			42.59				17.47				1.16		
8/2/2005			42.59			41.80					0.79	1.01	0.22
1/10/2006			42.59			42.42					0.17	0.29	0.12
5/8/2006			42.59			43.14					-0.55	-0.12	0.43
7/1/2006			42.59			42.99					-0.40	-0.29	0.11
11/6/2006			42.59			42.70					-0.11	0.27	0.38
1/2/2007			42.59			41.90					0.69	1.41	0.72
4/2/2007			42.59			41.58					1.01	2.00	0.99
12/2/2008			42.59			41.56					1.03	1.77	0.74
8/15/2011			42.59			42.91					-0.32	-0.11	0.21
12/5/2011			42.59			42.05					0.54	1.36	0.82
2/28/2012			42.59			41.15					1.44	2.08	0.64
5/7/2012			42.59			41.73					0.86	1.44	0.58
7/1/2012			42.59			42.06					0.53	0.80	0.27
12/3/2012			42.59			42.40					0.19	0.42	0.23
3/19/2013			42.59			42.47					0.12	0.40	0.28
6/18/2013			42.59			42.40					0.19	0.66	0.47
8/28/2013			42.59			42.16			0.43	1.16	0.73	1.16	0.73
12/3/2013			42.59			41.19			1.40	1.92	1.40	1.92	0.52
2/17/2014			42.59			42.14			0.45	0.82	0.45	0.82	-0.37
5/12/2014			42.59			42.15					0.44	1.27	0.83
8/18/2014			42.59			44.13					-1.54	2.17	3.71
12/1/2014			42.59			41.35					1.24	1.63	0.39
2/18/2015			42.59			42.04					0.55	0.97	0.42
5/13/2015			42.59			41.80					0.79	1.39	0.60
8/10/2015			42.59			41.37					1.22	1.87	0.65
12/7/2015			42.59			41.52					1.07	1.53	0.46
3/7/2016			42.59			42.00					0.59	0.94	0.35
5/9/2016			42.59			41.74					0.85	1.47	0.62
8/22/2016			42.59			41.68					0.91	1.33	0.42
11/29/2016			42.59			42.04					0.55	0.79	0.24
3/6/2017			42.59			42.35					0.24	0.59	0.36
5/15/2017			42.59			42.67					-0.08		
9/6/2017			42.59			41.97					0.62		
12/4/2017			42.59			41.62					0.97		
3/26/2018			42.59			42.37					0.22	0.73	0.51
6/18/2018			42.59			41.63					0.96	1.76	0.80
9/10/2018			42.59			40.87					1.72	3.46	1.74
12/4/2018			42.59			41.05					1.54	2.96	1.42
12/2/2019			42.59			40.60					1.99	3.18	1.19
6/11/2020			42.59			41.75					0.84	1.34	0.50
9/22/2020			42.59			41.59					1.00	1.51	0.51
12/23/2020			42.59			41.51					1.08	1.53	0.45
5/25/2021			42.59			41.44					1.15		
			18.49			16.73					1.12	1.76	0.64

Table 3
Groundwater Vertical Gradients
Former Defense Supply Center Philadelphia
First Quarter 2026

Date	Ground Elev. (feet)		Reported Depth to LNAPL (feet)	Reported Depth to Water (feet)	Reported LNAPL Thickness (feet)		Reported LNAPL Elevation (feet)	Reported Corrected Water Elevation (feet)	Gradient t (feet)
	CSX-DW-4	DSCP-MW-7			CSX-DW-4	DSCP-MW-7			
Well ID									
CSX-DW-4	DSCP-MW-7	CSX-DW-4	DSCP-MW-7	CSX-DW-4	DSCP-MW-7	CSX-DW-4	DSCP-MW-7	CSX-DW-4	DSCP-MW-7
9/14/2021	42.59	18.49		40.92	16.25			1.67	2.24
11/30/2021	42.59	18.49		41.45	16.92			1.14	1.57
2/28/2022	42.59	18.49		42.40	17.43			0.19	1.06
4/11/2022	42.59	18.49		42.09	17.24			0.50	1.25
9/20/2022	42.59	18.49		41.92	17.40			0.67	1.09
12/6/2022	42.59	18.49		42.10	17.51			0.49	0.98
3/21/2023	42.59	18.49		41.98	17.35			0.61	1.14
5/9/2023	42.59	18.49	41.69	41.69	17.13	0.00	0.90	0.90	1.36
8/22/2023	42.59	18.49		40.96	16.46			1.63	2.03
11/28/2023	42.59	18.49		41.50	16.87			1.09	1.62
4/2/2024	42.59	18.49		40.12	15.29			2.47	3.20
8/27/2024	42.59	18.49		41.06	16.61			1.53	1.88
12/3/2024	42.59	18.49		42.37	18.04			0.22	0.45
2/25/2025	42.59	18.49		42.47	18.19			0.12	0.20
6/10/2025	42.59	18.49		41.13	19.81			1.46	-1.32
9/9/2025	42.59	18.49		41.44	17.3			1.15	1.19
12/2/2025	42.59	18.49		42.02	17.73			0.57	0.76
3/11/2026	42.59	18.85		41.71	16.99			0.88	1.5
									0.62

Table 3
Groundwater Vertical Gradients
Former Defense Supply Center Philadelphia
First Quarter 2026

Date	Ground Elev. (feet)	Reported Depth to LNAPL (feet)	Reported Depth to Water (feet)	Reported LNAPL Thickness (ft)	Well ID				Reported LNAPL Elevation (feet)	Reported Corrected Water Elevation (feet)	Gradient (feet)
					DSCP-DW-1	DSCP-MW-23A	DSCP-DW-1	DSCP-MW-23A			
5/5/2005	21.95		21.00		DSCP-DW-1	DSCP-MW-23A	DSCP-DW-1	DSCP-MW-23A	0.95	1.33	0.38
5/18/2005	21.95		21.12						0.83	0.96	0.13
8/2/2005	21.95		21.69						0.26	0.57	0.31
1/10/2006	21.95		22.03						-0.23	-0.16	0.07
5/8/2006	21.95		22.32						-0.37	-0.06	0.31
7/1/2006	21.95		21.96						-0.01	0.33	0.34
1/6/2006	21.95		20.95						1.00	1.30	0.30
1/2/2007	21.95		20.73						1.22	1.57	0.35
4/2/2007	21.95		20.70						1.25	1.52	0.27
12/2/2008	21.95		22.23						-0.28	0.04	0.32
8/15/2011	21.95		21.25						0.70	1.98	1.28
12/6/2011	21.95		20.25						1.70	1.77	0.07
2/28/2012	21.95		20.91						1.04	1.39	0.35
5/7/2012	21.95		21.37						0.58	0.84	0.26
7/13/2012	21.95		21.60						0.36	0.58	0.23
12/3/2012	21.95		21.68						0.27	0.56	0.29
3/19/2013	21.95		21.67						0.28	0.52	0.24
6/18/2013	21.95		21.38						0.57	0.80	0.23
8/28/2013	21.95		20.35						1.60	1.88	0.28
12/03/2013	21.95		42.14						0.60	0.95	-0.35
2/17/2014	21.95		21.25						0.70	1.12	0.42
5/12/2014	21.95		20.30						1.65	2.03	0.38
8/18/2014	21.95		20.55						1.40	1.69	0.29
12/1/2014	21.95		21.23						0.72	1.98	1.26
2/18/2015	21.95		20.95						1.00	1.25	0.25
5/13/2015	21.95		20.53						1.42	1.73	0.31
8/10/2015	21.95		20.75						1.20	1.51	0.31
12/7/2015	21.95		21.19						0.76	0.01	-0.75
3/7/2016	21.95		20.94						1.01	1.22	0.21
5/9/2016	21.95		29.60						-7.65	-4.53	3.12
8/22/2016	21.95		21.30						0.65	-7.63	-8.28
11/29/2016	21.95		21.60						0.35	0.57	0.22
2/20/2017	21.95		21.90						-0.05	0.28	0.33
5/8/2017	21.95		21.38						0.57	0.82	0.25
9/5/2017	21.95		20.78						1.17	1.31	0.14
12/4/2017	21.95		20.63						1.32	0.65	-0.67
3/26/2018	21.95		20.84						1.11	1.30	0.19
6/18/2018	21.95		20.09						1.86	2.12	0.26
9/10/2018	21.95		20.23						1.72	1.84	0.12
12/4/2018	21.95		19.80						2.15	2.40	0.25
6/3/2019	21.95		19.96						1.99	2.32	0.33
6/3/2019	21.95	17.91	18.08				0.17	4.04	4.01	2.32	-1.69
9/10/2019	21.95	20.41	20.41	20.08			0.00	1.54	1.54	1.79	0.25
12/2/2019	21.95		20.95				0.00		1.00	1.20	0.20
6/11/2020	21.95		20.93						1.02	1.30	0.28
9/23/2020	21.95		20.73						1.22	1.40	0.18
12/22/2020	21.95		20.47						1.48	1.64	0.16
5/25/2021	21.95		20.60						1.35	1.63	0.28
9/14/2021	21.95		20.13						1.82	2.08	0.26
11/30/2021	21.95		20.70						1.25	1.50	0.25

Table 3
Groundwater Vertical Gradients
Former Defense Supply Center Philadelphia
First Quarter 2026

Date	Ground Elev. (feet)	Reported Depth to LNAPL (feet)	Reported Depth to Water (feet)	Reported LNAPL Thickness (ft)	Reported LNAPL Elevation (feet)	Reported Corrected Water Elevation (feet)	Gradient (feet)
Well ID							
DSCP-DW-1	DSCP-MW-23A	DSCP-DW-1	DSCP-MW-23A	DSCP-DW-1	DSCP-MW-23A	DSCP-DW-1	DSCP-MW-23A
2/28/2022	21.87	21.80	21.25	0.00	0.62	0.15	0.47
4/11/2022	21.95	21.87	21.30	0.00	0.62	0.15	0.47
9/20/2022	21.95	21.87	21.13	0.00	0.62	0.15	0.47
12/6/2022	21.95	21.87	21.35	0.00	0.62	0.15	0.47
3/21/2023	21.95	21.87	21.18	0.00	0.62	0.15	0.47
5/9/2023	21.95	21.87	20.97	0.00	0.62	0.15	0.47
8/22/2023	21.95	21.87	20.24	0.00	0.62	0.15	0.47
11/28/2023	21.95	21.87	20.67	0.00	0.62	0.15	0.47
2/6/2024	21.95	21.87	19.70	0.00	0.62	0.15	0.47
4/2/2024	21.95	21.87	19.38	0.00	0.62	0.15	0.47
8/27/2024	21.95	21.87	20.33	0.00	0.62	0.15	0.47
12/3/2024	21.95	21.87	21.62	0.00	0.62	0.15	0.47
2/25/2025	21.95	21.87	21.84	0.00	0.62	0.15	0.47
6/10/2025	21.95	21.87	20.47	0.00	0.62	0.15	0.47
9/9/2025	21.95	21.87	20.67	0.00	0.62	0.15	0.47
12/2/2025	21.95	21.87	20.28	0.00	0.62	0.15	0.47
3/10/2026	21.95	21.87	21.11	0.00	0.62	0.15	0.47

Table 3
Groundwater Vertical Gradients
Former Defense Supply Center Philadelphia
First Quarter 2026

Date	Ground Elev. (feet)	Reported Depth to LNAPL (feet)	Reported Depth to Water (feet)	Reported LNAPL Thickness (feet)	Reported LNAPL Elevation (feet)	Reported Corrected Water Elevation (feet)	Gradient (feet)
Well ID							
DSCP-DW-13	DSCP-MW-11	DSCP-DW-13	DSCP-MW-11	DSCP-DW-13	DSCP-MW-11	DSCP-DW-13	DSCP-MW-11
4/2/2007	19.18	16.21	17.72	14.72	2.06	1.46	1.93
12/2/2008	19.18	16.21	19.82	17.33	0.16	-0.64	-0.12
8/15/2011	19.18	16.21	18.68	14.75	1.47	0.50	1.47
12/6/2011	19.18	16.21	17.59	13.89		1.59	2.32
2/28/2012	19.19	16.21	18.27	13.34		0.92	2.87
5/8/2012	19.19	16.21	18.68	19.58		0.51	-3.37
7/11/2012	19.19	16.21	18.90	14.92		0.29	1.29
12/3/2012	19.19	16.21	19.06	14.95		0.13	1.26
3/20/2013	19.19	16.21	19.14			0.05	0.78
6/19/2013	19.19	16.21	18.75	14.05		0.44	2.16
8/29/2013	19.19	16.21	17.69	12.85		1.50	3.36
12/03/2013	19.19	16.21	18.66	13.62		0.53	2.59
2/17/2014	19.19	16.21	18.48	14.42		0.71	1.79
5/12/2014	19.19	16.21	17.50	13.80		1.69	2.41
8/18/2014	19.19	16.21	17.93	14.18		1.26	2.03
12/1/2014	19.19	16.21	18.53	14.55		0.66	1.66
2/18/2015	19.20	16.03	18.36	14.45		0.84	1.58
5/13/2015	19.20	16.03	17.72	13.04		1.48	2.99
8/10/2015	19.20	16.03	17.93	13.82		1.27	2.21
12/7/2015	19.20	16.03	18.50	14.55		0.70	1.48
3/7/2016	19.20	16.03	8.15	14.24		11.05	1.79
5/9/2016	19.20	16.03	18.21	13.86		0.99	2.17
8/22/2016	19.20	16.03	18.70	14.72		0.50	1.31
11/29/2016	19.20	16.03	18.89	14.97	0.01	0.31	1.07
2/20/2017	19.20	16.03	19.25	14.44		-0.05	1.59
5/8/2017	19.20	16.03	18.78	14.90		0.42	1.13
9/5/2017	19.20	16.03	18.22	13.98		0.98	2.05
12/4/2017	19.20	16.03	18.91	15.15		0.29	0.88
3/26/2018	19.20	16.03	18.95	13.49		0.25	2.54
6/18/2018	19.20	16.03	17.31	11.55		1.89	4.48
9/10/2018	19.20	16.03	17.23			1.97	
12/4/2018	19.20	16.03	16.85	12.31		2.35	3.72
6/3/2019	19.20	16.03	17.22	12.73		1.98	3.30
9/10/2019	19.20	16.03	17.61	13.81		1.59	2.22
12/2/2019	19.20	16.03	18.20	14.05		1.00	1.98
6/11/2020	19.20	16.03	18.12	13.39		1.08	2.64
9/22/2020	19.20	16.03	18.07			1.13	
12/22/2020	19.20	16.03	17.68	13.90		1.52	2.13
5/25/2021	19.20	16.03	17.85	14.06		1.35	1.97
9/14/2021	19.20	16.03	17.46	13.29		1.74	2.74
11/30/2021	19.20	16.03	18.03	14.26		1.17	1.77
2/28/2022	19.20	16.03	18.00	15.08	0.80	0.53	0.95
4/11/2022	19.20	16.03	18.43	14.82	0.02	0.77	1.23
9/20/2022	19.20	16.03	18.42	14.66		0.78	1.37

Table 3
Groundwater Vertical Gradients
Former Defense Supply Center Philadelphia
First Quarter 2026

Date	Ground Elev. (feet)	Reported Depth to LNAPL (feet)	Reported Depth to Water (feet)	Reported LNAPL Thickness (feet)	Reported LNAPL Elevation (feet)	Reported Corrected Water Elevation (feet)	Gradient (feet)
Well ID							
DSCP-DW-13	DSCP-MW-11	DSCP-DW-13	DSCP-MW-11	DSCP-DW-13	DSCP-MW-11	DSCP-DW-13	DSCP-MW-11
12/6/2022	19.20	18.57	18.57	0.00	0.63	0.63	1.17
3/21/2023	19.20		18.44			0.76	1.25
5/9/2023	19.20		18.17			1.03	1.59
8/22/2023	19.20		17.61				2.14
11/28/2023	19.20		17.91			16.33	13.75
2/6/2024	19.20		16.99			2.21	2.77
4/2/2024	19.20		16.58			2.62	3.13
8/27/2024	19.20		17.70			1.50	2.06
12/3/2024	19.20		18.99			0.21	0.56
2/25/2025	19.20		19.23			-0.03	0.35
6/10/2025	19.20		17.99			1.21	-2.76
9/9/2025	19.20		18.05			1.15	2.73
12/2/2025	19.20		18.69			0.51	1.92
3/10/2026	19.58		18.15			1.05	1.54
							0.39
							1.96
							1.45
							0.39

Table 3
Groundwater Vertical Gradients
Former Defense Supply Center Philadelphia
First Quarter 2026

Date	Ground Elev. (feet)	Reported Depth to LNAPL (feet)	Reported Depth to Water (feet)	Reported LNAPL Thickness (feet)	Reported LNAPL Elevation (feet)	Reported Corrected Water Elevation (feet)	Gradient (feet)
Well ID							
DSCP-DW-6	DSCP-DW-6	DSCP-MW-2B	DSCP-DW-6	DSCP-MW-2B	DSCP-DW-6	DSCP-MW-2B	
5/5/2005	21.67		20.92			0.75	1.40
5/18/2005	21.67		21.02			0.65	1.43
8/2/2005	21.67		21.50			0.17	1.55
1/10/2006	21.67		22.07			-0.40	0.80
5/8/2006	21.67		22.22			-0.55	0.74
7/1/2006	21.67		21.80			-0.13	1.23
11/6/2006	21.67		20.71			0.96	2.25
1/2/2007	21.67		20.47			1.20	2.59
4/2/2007	21.67		20.44			1.23	2.48
12/2/2008	21.67		22.07			-0.40	0.97
8/15/2011	21.67		21.06			0.61	1.97
12/6/2011	21.67		20.18			1.49	2.99
2/28/2012	21.67		20.68			0.99	2.51
5/7/2012	21.67		21.15			0.52	1.92
7/11/2012	21.67		21.35			0.32	1.71
12/3/2012	21.67		19.81			1.86	-0.13
3/19/2013	21.67		21.57			0.04	
6/18/2013	21.67		21.21			0.46	-0.13
8/28/2013	21.67		20.14			1.53	-1.66
12/03/2013	21.67		21.06			0.61	3.06
2/17/2014	21.67		21.03			0.64	2.40
5/12/2014	21.67		20.07			1.60	3.00
8/18/2014	21.67	20.24	20.25	0.01	1.43	1.42	2.88
12/1/2014	21.67		20.90			0.77	2.25
2/18/2015	21.67		20.68			0.99	2.58
5/13/2015	21.67		20.25			1.42	3.06
8/10/2015	21.67		20.45			1.22	3.04
12/7/2015	21.67		20.95			0.72	2.05
3/7/2016	21.67		20.70			0.97	2.29
5/9/2016	21.67		20.74			0.93	2.33
8/22/2016	21.67		29.80			-8.13	2.01
11/29/2016	21.67		21.33			0.34	1.61
2/20/2017	21.67		21.64			0.03	1.52
5/8/2017	21.67		21.11			0.56	1.85
9/5/2017	21.67		20.58			1.09	2.49
12/4/2017	21.67		21.30			0.37	1.81
3/26/2018	21.67		20.52			1.15	2.36
6/18/2018	21.67		19.81			1.86	3.21
9/10/2018	21.67		19.86			1.81	3.14
12/4/2018	21.67		19.41			2.26	3.64
6/3/2019	21.67		19.56			2.11	3.51
9/10/2019	21.67	19.96	19.96	0.00	1.71	1.71	3.06
12/2/2019	21.67		20.55			1.12	2.78
6/11/2020	21.67		20.50			1.17	2.41

Table 3
Groundwater Vertical Gradients
Former Defense Supply Center Philadelphia
First Quarter 2026

Date	Ground Elev. (feet)	Reported Depth to LNAPL (feet)	Reported Depth to Water (feet)	Reported LNAPL Thickness (feet)	Reported LNAPL Elevation (feet)	Reported Corrected Water Elevation (feet)	Gradient (feet)
Well ID							
DSCP-DW-6	DSCP-DW-6	DSCP-MW-2B	DSCP-DW-6	DSCP-MW-2B	DSCP-DW-6	DSCP-MW-2B	DSCP-MW-2B
9/22/2020	21.67		20.41			1.26	2.48
12/22/2020	21.67		20.09			1.58	1.28
5/25/2021	21.67		20.23			1.44	2.73
9/14/2021	21.67		19.77			1.90	3.20
11/30/2021	21.67		20.33			1.34	2.65
2/28/2022	21.67	21.21	21.21	0.00	0.46	0.46	1.83
4/11/2022	21.67		20.94			0.73	2.10
9/20/2022	21.67		19.04			2.63	0.58
12/6/2022	21.67		20.95			0.72	2.04
3/21/2023	21.67		20.81			0.86	2.19
5/9/2023	21.67		20.63			1.04	2.25
8/22/2023	21.67		20.00			1.67	2.91
11/28/2023	21.67		20.31			1.36	2.54
2/6/2024	21.67		19.49			2.18	3.41
4/2/2024	21.67		19.19			2.48	3.69
8/27/2024	21.67		20.03			1.64	2.87
12/3/2024	21.67		21.29			0.38	1.62
2/25/2025	21.67		21.65			0.02	1.15
6/10/2025	21.67		20.33			1.34	2.5
9/9/2025	21.67		20.44			1.23	2.45
12/2/2025	21.67		21.01			0.66	1.83
3/10/2026	21.67		20.82			0.85	2.03

Table 3
Groundwater Vertical Gradients
Former Defense Supply Center Philadelphia
First Quarter 2026

Date	Ground Elev. (feet)		Reported Depth to LNAPL (feet)		Reported Depth to Water (feet)		Reported LNAPL Thickness (feet)		Reported LNAPL Elevation (feet)		Reported Corrected Water Elevation (feet)		Gradient (feet)
	PH-DW-10	PH-MWS-1	PH-DW-10	PH-MWS-1	PH-DW-10	PH-MWS-1	PH-DW-10	PH-MWS-1	PH-DW-10	PH-MWS-1	PH-DW-10	PH-MWS-1	
4/2/2007	22.99	23.01			21.91	21.92					1.08	1.09	0.01
12/2/2008	25.90	26.07			26.31	26.48					-0.41	-0.41	0.00
8/15/2011	25.90	26.07			25.40	25.59					0.50	0.48	-0.02
12/5/2011	25.90	26.07			24.42	24.60					1.48	1.47	-0.01
2/28/2012	25.90	26.07			25.00	25.15					0.90	0.92	0.02
5/7/2012	25.90	26.07			25.47	25.68					0.43	0.39	-0.04
7/11/2012	25.90	26.07			25.75	27.98					0.15	-1.91	-2.06
12/3/2012	25.90	26.07			25.92	26.10					-0.02	-0.03	-0.01
3/20/2013	25.90	26.07			25.88	26.07					0.02	0.00	-0.02
6/19/2013	25.90	26.07			25.60	25.81					0.30	0.26	-0.04
8/28/2013	25.90	26.07			24.50	24.64					1.40	1.43	0.03
12/03/2013	25.90	26.07			25.44	25.64					0.46	0.43	0.03
2/17/2014	25.90	26.07			25.44	25.61					0.46	0.46	0.00
5/12/2014	25.90	26.07			24.33	24.46					1.57	1.61	0.04
8/18/2014	25.90	26.07			24.76	24.95					1.14	1.12	-0.02
12/1/2014	25.90	26.07			25.44	25.67					0.46	0.40	-0.06
2/18/2015	25.90	26.07			25.04	25.20					0.86	0.87	0.01
5/13/2015	25.90	26.07			24.66	24.81					1.24	1.26	0.02
8/10/2015	25.90	26.07			24.95	25.14					0.95	0.93	-0.02
12/7/2015	25.90	26.07			25.33	25.54					0.57	0.53	-0.04
3/7/2016	25.90	26.07			24.98	25.17					0.92	0.90	-0.02
5/9/2016	25.90	26.07			25.12	25.33					0.78	0.74	-0.04
8/22/2016	25.90	26.07			25.48	25.70					0.42	0.37	-0.05
11/29/2016	25.90	26.07			25.71	25.90					0.19	0.17	-0.02
2/20/2017	25.90	26.07	25.94	26.19	25.94	26.19	0.00	-0.04	-0.12	-0.04	-0.04	-0.12	-0.08
5/8/2017	25.90	26.07			25.55	25.72					0.35	0.35	0.00
9/5/2017	25.90	26.07			24.90	14.60					1.00	11.47	10.47
12/4/2017	25.90	26.07			25.72	25.94					0.18	0.13	-0.05
3/26/2018	25.90	26.07			24.93	25.17					0.97	0.90	-0.07
6/18/2018	25.90	26.07			24.25	24.48					1.65	1.59	-0.06
9/10/2018	25.90	26.07			24.37	24.65					1.53	1.42	-0.11
12/4/2018	25.90	26.07			23.81	24.02					2.09	2.05	-0.04
6/3/2019	25.90	26.07			24.10	24.25					1.80	1.82	0.02
9/10/2019	25.90	26.07			24.49	24.70					1.40	1.36	-0.04
12/2/2019	25.90	26.07			25.06	25.33					0.84	0.74	-0.10
6/11/2020	25.90	26.07			24.92	25.16					0.98	0.91	-0.07
9/22/2020	25.90	26.07			24.82	25.03					1.08	1.04	-0.04
12/22/2020	25.90	26.07			24.70	24.90					1.20	1.17	-0.03
5/25/2021	25.90	26.07			24.70	24.88					1.20	1.19	-0.01
9/14/2021	25.90	26.07			24.31	24.53					1.59	1.54	-0.05
11/30/2021	25.90	26.07			24.80	25.02					1.10	1.05	-0.05
2/28/2022	25.90	26.07			25.62	25.87					0.28	0.20	-0.08
4/11/2022	25.90	26.07			25.34	25.61					0.56	0.46	-0.10
9/20/2022	25.90	26.07			25.22	25.47					0.68	0.60	-0.08
12/6/2022	25.90	26.07	25.40	25.66	25.40	25.66	0.00	0.00	0.41	0.50	0.50	0.41	-0.09

Table 3
Groundwater Vertical Gradients
Former Defense Supply Center Philadelphia
First Quarter 2026

Date	Ground Elev. (feet)	Reported Depth to LNAPL (feet)	Reported Depth to Water (feet)	Reported LNAPL Thickness (feet)	Reported LNAPL Elevation (feet)	Reported Corrected Water Elevation (feet)	Gradient (feet)
Well ID							
PH-DW-10	PH-MWS-1	PH-DW-10	PH-MWS-1	PH-DW-10	PH-MWS-1	PH-DW-10	PH-MWS-1
3/21/2023	25.90		25.29		25.49	0.61	0.58
5/9/2023	25.90		24.99		25.27	0.91	0.80
8/22/2023	25.90	24.51	24.51	0.00	24.30	1.39	1.77
11/28/2023	25.90		24.75		24.98	1.15	1.09
2/6/2024	25.90		23.62		23.82	2.28	2.25
4/2/2024	25.90		23.27		23.42	2.63	2.65
8/27/2024	25.90		24.37		24.57	1.53	1.50
12/3/2024	25.90		25.65		25.90	0.25	0.17
2/25/2025	25.90		25.87		26.10	0.03	-0.03
6/10/2025	25.90		24.45		24.67	1.45	1.4
9/9/2025	25.90		24.78		25	1.12	1.07
12/2/2025	25.90		25.23		25.5	0.67	0.57
3/10/2026	25.90		25.08		25.35	0.82	0.72

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Date	Ground Elev. (feet)		Reported Depth to LNAPL (feet)		Reported Depth to Water (feet)		Reported LNAPL Thickness (feet)		Reported LNAPL Elevation (feet)		Reported Corrected Water Elevation (feet)		Gradient (feet)
Well ID													
PH-DW-11	PH-PH-22	PH-DW-11	PH-PH-22	PH-DW-11	PH-PH-22	PH-DW-11	PH-PH-22	PH-DW-11	PH-PH-22	PH-DW-11	PH-PH-22	PH-DW-11	PH-PH-22
4/2/2007	22.35	22.14		21.40	21.05					0.95	1.09		0.14
12/2/2008	22.04	22.99		22.39	23.38					-0.35	-0.39		-0.04
8/15/2011	22.04	22.99		21.62	22.40					0.42	0.59		0.17
12/5/2011	22.04	22.99		20.63	14.50					1.41	8.49		7.08
2/28/2012	22.04	22.99		21.23	21.94					0.81	1.05		0.24
5/7/2012	22.04	22.99		21.98	22.40					0.06	0.59		0.53
7/11/2012	22.04	22.99		21.93	22.18					0.11	0.81		0.70
12/3/2012	22.04	22.99		22.04	22.91					0.00	0.08		0.08
3/20/2013	22.04	22.99		22.11	22.72					-0.07	0.27		0.34
6/18/2013	22.04	22.99		21.75	22.60					0.29	0.39		0.10
8/28/2013	22.04	22.99		20.76	21.47					1.28	1.52		0.24
12/03/2013	22.04	22.99		21.68	22.49					0.36	0.50		-0.14
2/17/2014	22.04	22.99		21.49	22.46					0.55	0.53		-0.02
5/12/2014	22.04	22.99		20.55	21.04					1.49	1.95		0.46
8/18/2014	22.04	22.99		20.93	21.73					1.11	1.26		0.15
12/1/2014	22.04	22.99		21.74	22.49					0.30	0.50		0.20
2/18/2015	22.04	22.99		21.27	22.12					0.77	0.87		0.10
5/13/2015	22.04	22.99		20.89	21.70					1.15	1.29		0.14
8/10/2015	22.04	22.99		21.20	22.02					0.84	0.97		0.13
12/7/2015	22.04	22.99		21.49	22.43					0.55	0.56		0.01
3/7/2016	22.04	22.99		21.18	22.05					0.86	0.94		0.08
5/9/2016	22.04	22.99		22.16	22.10					-0.12	0.89		1.01
8/22/2016	22.04	21.97		21.60	22.40					0.44	-0.43		-0.87
11/29/2016	22.01	21.97		21.10	22.81					0.91	-0.84		-1.75
2/20/2017	22.04	21.97		22.19	23.00					-0.15	-1.03		-0.88
5/8/2017	22.04	21.97		21.60	22.32					0.44	-0.35		-0.79
9/5/2017	22.04	21.97		21.17	21.75					0.87	0.22		-0.65
12/4/2017	22.04	21.97		21.95	22.82					-0.09	-0.85		-0.76
3/26/2018	22.04	21.97		21.71	22.06					0.33	-0.09		-0.42
6/18/2018	22.04	21.97		20.52	21.33					1.52	0.64		-0.88
9/10/2018	22.04	21.97		20.58	21.21					1.46	0.76		-0.70
12/4/2018	22.04	21.97		19.95	20.87					2.09	1.10		-0.99
6/3/2019	22.04	21.97		20.28	21.04					1.76	0.93		-0.83
9/10/2019	22.04	21.97		20.72	21.49					1.32	0.48		-0.84
12/2/2019	22.04	21.97		21.21	22.18					0.83	-0.21		-1.04
6/11/2020	22.04	21.97		20.20	21.92					1.84	0.05		-1.79
9/22/2020	22.04	21.97		21.06	21.95					0.98	0.02		-0.96
12/22/2020	22.04	21.97		21.00	21.58					1.04	0.39		-0.65
5/25/2021	22.04	21.97		20.58	21.73					1.46	0.24		-1.22
9/14/2021	22.04	21.97		21.40	20.70					0.64	1.27		0.63
11/30/2021	22.04	21.97		21.09	22.03					0.95	-0.06		-1.01
2/28/2022	22.04	21.97		21.66	22.60					0.38	-0.63		-1.01
4/11/2022	22.04	21.97		21.37	22.31					0.67	-0.34		-1.01
9/20/2022	22.04	21.97		21.44	22.28					0.60	-0.31		-0.91

Table 3
Groundwater Vertical Gradients
Former Defense Supply Center Philadelphia
First Quarter 2026

Date	Ground Elev. (feet)		Reported Depth to LNAPL (feet)		Reported Depth to Water (feet)		Reported LNAPL Thickness (feet)		Reported LNAPL Elevation (feet)		Reported Corrected Water Elevation (feet)		Gradient (feet)
Well ID													
PH-DW-11	PH-PH-22	PH-DW-11	PH-PH-22	PH-DW-11	PH-PH-22	PH-DW-11	PH-PH-22	PH-DW-11	PH-PH-22	PH-DW-11	PH-PH-22		
12/6/2022	22.04	21.97		21.65	22.54					0.39	-0.57		-0.96
3/21/2023	22.04	21.97		21.48	22.30					0.56	-0.33		-0.89
5/9/2023	22.04	21.97		21.19	22.05					0.85	-8.00		-8.85
8/22/2023	22.04	21.97	20.47	20.47	21.35	0.00	0.00	1.57	0.62	1.57	0.62		-0.95
11/28/2023	22.04	21.97		20.94	21.75					1.10	0.22		-0.88
2/6/2024	22.04	21.97		19.75	20.65					2.29	1.32		-0.97
4/2/2024	22.04	21.97		19.57	20.31					2.47	1.66		-0.81
8/27/2024	22.04	21.97		20.56	21.41					1.48	0.56		-0.92
12/3/2024	22.04	21.97		21.88	22.83					0.16	-0.86		-1.02
2/25/2025	22.04	21.97	22.08	22.08	23.02	0.00	0.00	-0.04	-1.05	-0.04	-1.05		-1.01
6/10/2025	22.04	21.97		20.55	21.5					1.49	0.46		-1.03
9/9/2025	22.04	21.97		20.96	21.83					1.08	0.14		-0.94
12/2/2025	22.04	21.97		20.3	22.5					1.74	-0.53		-2.27
3/11/2026	22.04	21.97		21.19	22.26					0.85	-0.29		-1.14

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Groundwater Vertical Gradients
Former Defense Supply Center Philadelphia
First Quarter 2026

Date	Ground Elev. (feet)		Reported Depth to LNAPL (feet)		Reported Depth to Water (feet)		Reported LNAPL Thickness (feet)		Reported LNAPL Elevation (feet)		Reported Corrected Water Elevation (feet)		Gradient (feet)
Well ID													
PH-DW-2	PH-MWS-15	PH-DW-2	PH-MWS-15	PH-DW-2	PH-MWS-15	PH-DW-2	PH-MWS-15	PH-DW-2	PH-MWS-15	PH-DW-2	PH-MWS-15	PH-MWS-15	
5/5/2005	17.18	16.83		17.11	15.34					0.07	1.49	1.42	
5/18/2005	17.18	16.83		17.35	15.58					-0.17	1.25	1.42	
8/2/2005	17.18	16.83		18.11	16.72					-0.93	0.11	1.04	
1/10/2006	17.18	16.83		18.62	17.31					-1.44	-0.48	0.96	
5/8/2006	17.18	16.83		18.55	17.17					-1.37	-0.34	1.03	
7/1/2006	17.18	16.83		18.21	16.89					-1.03	-0.06	0.97	
11/6/2006	17.18	16.83		16.84	15.77					0.34	1.06	0.72	
1/2/2007	17.18	16.83		16.70	15.23					0.48	1.60	1.12	
4/2/2007	17.18	16.83		16.73	15.16					0.45	1.67	1.22	
12/2/2008	16.54	16.54		17.64	16.68					-1.10	-0.14	0.96	
8/15/2011	16.54	16.54		16.61	15.34					-0.07	1.20	1.27	
12/5/2011	16.54	16.54		15.73	14.54					0.81	2.00	1.19	
2/28/2012	16.54	16.54		16.35	15.00					0.19	1.54	1.35	
5/7/2012	16.54	16.54		16.79	15.82					-0.25	0.72	0.97	
7/11/2012	16.54	16.54		17.10	16.24					-0.56	0.30	0.86	
12/3/2012	16.54	16.54		17.11	16.41					-0.57	0.13	0.70	
3/19/2013	16.54	16.54		17.03	15.98					-0.49	0.56	1.05	
6/18/2013	16.54	16.54		16.74	15.60					-0.20	0.94	1.14	
8/28/2013	16.54	16.54		15.85	14.62					0.69	1.92	1.23	
12/3/2013	16.54	16.54		16.76	15.84					-0.22	0.70	-0.92	
2/17/2014	16.51	16.54		16.67	14.94					-0.16	1.60	1.76	
5/20/2014	16.51	16.54		15.49	14.02					1.02	2.52	1.50	
8/18/2014	16.51	16.54		16.13	15.02					0.38	1.52	1.14	
12/1/2014	16.51	16.54		16.68	15.87					-0.17	0.67	0.84	
2/18/2015	16.51	16.54		16.48	15.44					0.03	1.10	1.07	
5/13/2015	16.51	16.54		16.00	14.75					0.51	1.79	1.28	
8/10/2015	16.51	16.54		16.36						0.15			
12/7/2015	16.51	16.54		16.65	15.97					-0.14	0.57	0.71	
3/7/2016	16.51	16.54		16.31	15.15					0.20	1.39	1.19	
5/9/2016	16.51	16.54		16.30	15.24					0.21	1.30	1.09	
8/2/2016	16.51	16.54		16.80	16.03					-0.29	0.51	0.80	
11/29/2016	16.51	16.54		17.03	15.08					-0.52	1.46	1.98	
2/20/2017	16.51	16.54		17.29	16.37					-0.78	0.17	0.95	
5/8/2017	16.51	16.54		16.72						-0.21			
9/5/2017	16.51	16.54		16.29	15.31					0.22	1.23	1.01	
12/4/2017	16.51	16.54		17.04	16.19					-0.53	0.35	0.88	
3/26/2018	16.51	16.54		15.14	14.86					1.37	1.68	0.31	
6/18/2018	16.51	16.54		15.45	14.53					1.06	2.01	0.95	
9/10/2018	16.51	16.54			14.57						1.97		
12/4/2018	16.51	16.54		15.06	13.65					1.45	2.89	1.44	
6/3/2019	16.51	16.54		15.45	14.22					1.06	2.32	1.26	
9/10/2019	16.51	16.51		15.86	14.74					0.65	1.77	1.12	
12/4/2019	16.51	16.51		16.51	15.68					0.00	0.83	0.83	
6/11/2020	16.51	16.51		16.03	15.15					0.48	1.36	0.88	
9/22/2020	16.51	16.51		16.21	15.42					0.30	1.09	0.79	

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Groundwater Vertical Gradients
Former Defense Supply Center Philadelphia
First Quarter 2026

Date		Ground Elev. (feet)		Reported Depth to LNAPL (feet)		Reported Depth to Water (feet)		Reported LNAPL Thickness (feet)		Reported LNAPL Elevation (feet)		Reported Corrected Water Elevation (feet)		Gradient (feet)	
Well ID															
PH-DW-2	PH-MWS-15	PH-DW-2	PH-MWS-15	PH-DW-2	PH-MWS-15	PH-DW-2	PH-MWS-15	PH-DW-2	PH-MWS-15	PH-DW-2	PH-MWS-15	PH-DW-2	PH-MWS-15	PH-DW-2	PH-MWS-15
12/22/2020	16.51	16.51	16.51			15.83	14.67					0.68	1.84		1.16
5/25/2021	16.51	16.51	16.51			16.08	14.94					0.43	1.57	1.14	1.14
9/14/2021	16.51	16.51	16.51			15.65	14.57					0.86	1.94	1.08	1.08
11/30/2021	16.51	16.51	16.51			15.89	15.31					0.62	1.20	0.58	0.58
2/28/2022	16.51	16.51	16.51			17.89	15.66					-1.39	0.84	2.23	2.23
4/11/2022	16.51	16.51	16.51			16.47	15.00					3.00	1.50	-1.50	-1.50
9/20/2022	16.51	16.51	16.51			16.70	15.76					-0.20	0.74	0.94	0.94
12/6/2022	16.51	16.51	16.51			16.56	15.67					-6.00	0.83	6.83	6.83
3/21/2023	16.51	16.51	16.51			16.23	15.29					0.27	1.21	0.94	0.94
5/9/2023	16.51	16.51	16.51			15.22	14.96					1.28	1.54	0.26	0.26
8/22/2023	16.51	16.51	16.51				14.53						1.98		
11/28/2023	16.51	16.51	16.51			16.03	14.95					0.48	1.56	1.08	1.08
2/6/2024	16.51	16.51	16.51			15.05	13.51					1.46	3.00	1.54	1.54
4/2/2024	16.51	16.51	16.51				13.07						3.44		
8/27/2024	16.51	16.51	16.51			15.56	14.64					0.95	1.87	0.92	0.92
12/3/2024	16.51	16.51	16.51			16.86	16.11					-0.35	0.4	0.75	0.75
2/25/2025	16.51	16.51	16.51			17.33	16.22					-0.82	0.29	1.11	1.11
6/10/2025	16.51	16.51	16.51			15.9	14.7					0.61	1.81	1.20	1.20
9/9/2025	16.51	16.51	16.51			15.95	15.1					0.56	1.41	0.85	0.85
12/2/2025	16.51	16.51	16.51			16.5	15.9					0.01	0.61	0.60	0.60
3/10/2026	16.51	16.51	16.8696			16.7	15.31					-0.1925	1.1986	1.39	1.39

Table 3
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Former Defense Supply Center Philadelphia
First Quarter 2026

Date	Ground Elev. (feet)		Reported Depth to LNAPL (feet)		Reported Depth to Water (feet)		Reported LNAPL Thickness (feet)		Reported LNAPL Elevation (feet)		Reported Corrected Water Elevation (feet)		Gradient (feet)
	PH-DW-3	EPH-PH-5	PH-DW-3	EPH-PH-5	Well ID								
					PH-DW-3	EPH-PH-5	PH-DW-3	EPH-PH-5	PH-DW-3	EPH-PH-5	PH-DW-3	EPH-PH-5	
5/5/2005		12.26	14.03		12.34	13.00					-0.08	1.03	1.11
5/18/2005		12.26	14.03		12.61	13.30					-0.35	0.73	1.08
8/2/2005		12.26	14.03		13.39	14.27					-1.13	-0.24	0.89
1/10/2006		12.26	14.03		13.82	14.63					-1.56	-0.60	0.96
5/8/2006		12.26	14.03		13.81	14.70					-1.55	-0.67	0.88
7/1/2006		12.26	14.03		13.48	14.33					-1.22	-0.30	0.92
11/6/2006		12.26	14.03		11.96	12.96					0.30	1.07	0.77
1/2/2007		12.26	14.03		11.85	12.72					0.41	1.31	0.90
4/2/2007		12.26	14.03		11.89	12.69					0.37	1.34	0.97
12/2/2008		12.26	14.03		13.51	14.37					-1.25	-0.34	0.91
8/15/2011		12.26	14.03		11.58	13.41					0.68	0.62	-0.06
12/5/2011		12.26	14.03		11.57	12.40					0.69	1.63	0.94
2/28/2012		12.26	14.03		12.19	12.99					0.07	1.04	0.97
5/7/2012		12.26	14.03		12.64	13.67					-0.38	0.36	0.74
7/11/2012		12.26	14.03		13.05	14.04					-0.79	-0.01	0.78
12/3/2012		12.26	14.03		13.00	14.14					-0.74	-0.11	0.63
3/19/2013		12.26	14.03		12.84	13.80					-0.58	0.23	0.81
6/18/2013		12.26	14.03		12.55	13.38					-0.29	0.65	0.94
8/28/2013		12.26	14.03		11.65	12.46					0.61	1.57	0.96
12/03/2013		12.26	14.03		12.61	13.63					-0.35	0.40	-0.75
2/20/2014		12.27	14.03		12.11	12.75					0.16	1.28	1.12
5/12/2014		12.27	14.03		11.35	11.93					0.92	2.10	1.18
8/18/2014		12.27	14.03		11.04	12.91					1.23	1.12	-0.11
12/1/2014		12.27	14.03		12.50	13.56					-0.23	0.47	0.70
2/18/2015		12.27	14.03		12.30	13.20					-0.03	0.83	0.86
5/13/2015		12.27	14.03		11.78	12.57					0.49	1.46	0.97
8/10/2015		12.27	14.03		12.11	13.15					0.16	0.88	0.72
12/7/2015		12.27	14.03		12.57	13.62					-0.30	0.41	0.71
3/7/2016		12.27	14.03		12.10	12.93					0.17	1.10	0.93
5/9/2016		12.27	14.03		11.22	13.06					1.05	0.97	-0.08
8/22/2016		12.27	14.03		12.69	13.80					-0.42	0.23	0.65
11/29/2016		12.27	14.03		11.64	13.52					0.63	0.51	-0.12
2/20/2017		12.27	14.03		13.12	14.46					-0.85	-0.43	0.42
5/8/2017		12.27	14.03		12.56	13.49					-0.29	0.54	0.83
9/5/2017		12.27	14.03		10.31	13.13					1.96	0.90	-1.06
12/4/2017		12.27	14.03		12.88	14.03					-0.61	0.00	0.61
3/26/2018		12.27	14.03		11.82	12.57					0.45	1.46	1.01
6/18/2018		12.27	14.03		11.36	12.36					0.91	1.67	0.76
9/10/2018		12.27	14.03		12.35	12.45					-0.08	1.58	1.66
12/4/2018		12.27	14.03		10.84	11.50					1.43	2.53	1.10
6/3/2019		12.27	14.03		10.12	12.13					2.15	1.90	-0.25
9/10/2019		12.27	14.03		11.71	12.64					0.56	1.38	0.82
12/2/2019		12.27	14.03		12.22	10.32					0.05	3.71	3.66
12/2/2019		12.27	14.03		12.22	13.41					0.05	0.62	0.57
6/11/2020		12.27	14.03		12.03	12.97					0.24	1.06	0.82

Table 3
Groundwater Vertical Gradients
Former Defense Supply Center Philadelphia
First Quarter 2026

Date	Ground Elev. (feet)	Reported Depth to LNAPL (feet)	Reported Depth to Water (feet)	Reported LNAPL Thickness (feet)	Reported LNAPL Elevation (feet)	Reported Corrected Water Elevation (feet)	Gradient (feet)
Well ID							
PH-DW-3	EPH-PH-5	PH-DW-3	EPH-PH-5	PH-DW-3	EPH-PH-5	PH-DW-3	EPH-PH-5
9/22/2020	12.27		12.07			0.20	0.65
12/22/2020	12.27		11.50			0.77	1.55
5/25/2021	12.27		11.93			0.34	1.19
9/14/2021	12.27		10.61			1.66	1.58
11/30/2021	12.27		12.08			0.19	0.81
2/28/2022	12.27		11.69			0.57	0.49
4/11/2022	12.27		12.21			5.00	1.05
9/20/2022	12.27		12.49			-0.23	0.48
12/6/2022	12.27		12.53			-0.27	0.49
3/21/2023	12.27		12.33			-7.00	0.78
5/9/2023	12.27		11.98			0.28	1.17
8/22/2023	12.27		11.57			0.70	1.57
11/28/2023	12.27		11.92			0.35	1.17
2/6/2024	12.27		9.63			2.64	2.52
8/27/2024	12.27		11.63			0.64	1.40
12/3/2024	12.27	14.02	12.97	-0.01	0.01	-0.70	-0.01
2/25/2025	12.27		12.89			-0.62	-0.03
6/10/2025	12.27		11.63			0.63	1.48
9/9/2025	12.27		11.94			0.33	1.01
12/2/2025	12.27		12.60			-0.33	0.28
3/10/2026	12.27		12.02			0.2451	0.98
			13.05				0.73

Table 3
Groundwater Vertical Gradients
Former Defense Supply Center Philadelphia
First Quarter 2026

Date	Ground Elev. (feet)		Reported Depth to LNAPL (feet)	Reported Depth to Water (feet)		Reported LNAPL Thickness (feet)	Reported LNAPL Elevation (feet)	Reported Corrected Water Elevation (feet)	Gradient (feet)
Well ID									
DSCP-MW-20D	DCSP-MW-20	DSCP-MW-20D	DCSP-MW-20	DSCP-MW-20D	DCSP-MW-20	DSCP-MW-20D	DCSP-MW-20	DSCP-MW-20D	DCSP-MW-20
3/1/1995	3/1/1995	24.81	24.67	24.56	20.50		0.25	4.17	3.92
7/12/1996	7/12/1996	24.81	24.67	23.88	20.01		0.93	4.66	3.73
10/16/1996	10/16/1996	24.81	24.67	23.30	19.83		1.51	4.84	3.33
11/15/1996	11/15/1996	24.81	24.67	23.47	19.96		1.34	4.71	3.37
5/21/1997	5/21/1997	24.81	24.67	23.47	19.91		1.34	4.76	3.42
7/28/1997	7/28/1997	24.81	24.67	23.69	20.03		0.92	4.63	3.71
2/26/1999	2/26/1999	24.81	24.67	24.74	20.97		0.06	3.70	3.64
6/18/1999	6/18/1999	24.81	24.67	24.28	20.51		0.52	4.16	3.64
6/22/2000	6/22/2000	24.81	24.67	23.73	20.11		1.08	4.55	3.47
9/14/2000	9/14/2000	24.81	24.67	23.81	20.08		1.00	4.59	3.59
11/16/2000	11/16/2000	24.81	24.67	23.62	20.21		1.18	4.46	3.28
12/28/2000	12/28/2000	24.81	24.67	24.06	20.38		0.75	4.29	3.54
3/19/2001	3/19/2001	24.81	24.67	23.73	20.41		1.08	4.26	3.18
6/11/2001	6/11/2001	24.81	24.67	24.11	20.13		0.69	4.54	3.85
9/17/2001	9/17/2001	24.81	24.67	24.29	20.42		0.51	4.25	3.74
11/14/2001	11/14/2001	24.81	24.67	24.51	20.75		0.29	3.92	3.63
3/19/2002	3/19/2002	24.81	24.67	25.93	21.52		-1.10	3.15	4.25
5/13/2002	5/13/2002	24.81	24.67	26.26	21.61		-1.45	3.05	4.50
8/12/2002	8/12/2002	24.81	24.67	26.49	21.50		-1.68	3.17	4.85
9/20/2002	9/20/2002	24.81	24.67	26.22	21.42		-1.41	3.25	4.66
10/9/2002	10/9/2002	24.81	24.67	26.19	21.48		-1.38	3.19	4.57
10/9/2002	10/9/2002	24.81	24.67	26.19	21.37		-1.38	3.29	4.67
10/28/2002	10/28/2002	24.81	24.67	26.31	21.48		-1.50	3.19	4.69
10/28/2002	10/28/2002	24.81	24.67	26.31	21.37		-1.50	3.29	4.79
11/25/2002	11/25/2002	24.81	24.67	21.59	21.10		3.21	3.57	0.36
12/19/2002	12/19/2002	24.81	24.67	26.00	21.00		-1.19	3.67	4.86
1/13/2003	1/13/2003	24.81	24.67	25.81	20.77		-1.00	3.90	4.90
2/4/2003	2/4/2003	24.81	24.67	25.80	20.85		-0.99	3.82	4.81
3/11/2003	3/11/2003	24.81	24.67	25.64	20.69		-0.30	3.98	4.28
4/8/2003	4/8/2003	24.81	24.67	25.27	20.65		-0.46	4.02	4.48
4/8/2003	4/8/2003	24.81	24.67	25.27	20.55		-0.46	4.12	4.58
4/25/2003	4/25/2003	24.81	24.67	25.02	20.55		-0.21	4.02	4.23
4/25/2003	4/25/2003	24.81	24.67	25.02	20.55		-0.21	4.12	4.33
5/28/2003	5/28/2003	24.81	24.67	24.95	19.44		-0.14	5.23	5.37
6/16/2003	6/16/2003	24.81	24.67	24.70	20.21		0.10	4.46	4.36
7/21/2003	7/21/2003	24.81	24.67	24.36	19.96		0.44	4.71	4.27
8/5/2003	8/5/2003	24.81	24.67	24.27	19.95		0.53	4.71	4.16
9/8/2003	9/8/2003	24.81	24.67	24.57	20.01		0.23	4.66	4.43
11/7/2003	11/7/2003	24.81	24.67	24.60	20.08		0.20	4.59	4.39
12/16/2003	12/16/2003	24.81	24.67	24.39	19.73		0.42	4.94	4.52
1/12/2004	1/12/2004	24.81	24.67	24.16	19.80		0.64	4.87	4.23
2/24/2004	2/24/2004	24.81	24.67	24.21	19.88		0.60	4.79	4.19
3/23/2004	3/23/2004	24.81	24.67	24.26	20.03		0.54	4.63	4.09
4/21/2004	4/21/2004	24.81	24.67	24.25	19.50		0.55	5.17	4.62
5/10/2004	5/10/2004	24.81	24.67	23.94	19.53		0.86	5.13	4.27
6/8/2004	6/8/2004	24.81	24.67	24.16	19.66		0.64	5.01	4.37
7/15/2004	7/15/2004	24.81	24.67	23.91	19.40		0.89	5.27	4.38
8/24/2004	8/24/2004	24.81	24.67	23.60	19.39		1.20	5.28	4.08
9/21/2004	9/21/2004	24.81	24.67	23.67	19.54		1.13	5.12	3.99
10/4/2004	10/4/2004	24.81	24.67	23.60	19.40		1.20	5.27	4.07
11/10/2004	11/10/2004	24.81	24.67	24.07	19.64		0.73	5.03	4.30

Table 3
Groundwater Vertical Gradients
Former Defense Supply Center Philadelphia
First Quarter 2026

Date	Ground Elev. (feet)	Reported Depth to LNAPL (feet)	Reported Depth to Water (feet)	Well ID				Reported LNAPL Thickness (feet)	Reported LNAPL Elevation (feet)	Reported Corrected Water Elevation (feet)	Gradient (feet)
				DSCP-MW-20D	DCSP-MW-20	DSCP-MW-20D	DCSP-MW-20				
DSCP-MW-20D	DCSP-MW-20	DSCP-MW-20D	DCSP-MW-20	DSCP-MW-20D	DCSP-MW-20	DSCP-MW-20D	DCSP-MW-20	DSCP-MW-20D	DCSP-MW-20	DSCP-MW-20D	DCSP-MW-20
12/14/2004	24.81	24.67	24.67	23.82	19.53	23.91	19.56			0.98	5.13
1/11/2005	24.81	24.67	24.67	23.93	20.26	23.93	20.26			0.89	5.11
2/25/2005	24.81	24.67	24.67	24.08	20.40	24.08	20.40			0.87	4.41
3/18/2005	24.81	24.67	24.67	23.49	20.14	23.49	20.14			1.32	4.27
5/5/2005	24.81	24.67	24.67	23.49	20.27	23.49	20.27			1.32	4.53
5/5/2005	24.81	24.67	24.67	23.62	20.14	23.62	20.14			1.32	4.40
5/18/2005	24.81	24.67	24.67	23.62	20.17	23.62	20.17			1.18	4.53
5/18/2005	24.81	24.67	24.67	23.62	20.27	23.62	20.27			1.18	4.40
8/2/2005	24.81	24.67	24.67	24.14	20.41	24.14	20.41			0.67	4.26
1/10/2006	24.81	24.67	24.67	24.86	20.86	24.86	20.86			0.14	3.80
5/8/2006	24.81	24.67	24.67	24.81	21.04	24.81	21.04			0.00	3.62
7/1/2006	24.81	24.67	24.67	24.41	20.57	24.41	20.57			0.39	4.10
11/6/2006	24.81	24.67	24.67	23.63	21.99	23.63	21.99			1.18	2.68
1/2/2007	24.81	24.67	24.67	23.44	20.03	23.44	20.03			1.36	4.63
4/2/2007	24.81	24.67	24.67	23.32	20.27	23.32	20.27			1.49	4.40
12/2/2008	24.81	24.67	24.67	24.79	21.01	24.79	21.01			0.01	3.66
8/15/2011	24.81	24.67	24.67	23.74	20.27	23.74	20.27			1.07	4.40
12/6/2011	24.81	24.67	24.67	22.87	19.90	22.87	19.90			1.94	4.77
2/28/2012	24.81	24.67	24.67	23.50	20.16	23.50	20.16			1.31	4.51
5/7/2012	24.81	24.67	24.67	23.86	20.37	23.86	20.37			0.95	4.30
7/5/2012	24.81	24.67	24.67	23.86	20.37	23.86	20.37			0.95	4.30
7/5/2012	24.81	24.67	24.67	23.86	20.53	23.86	20.53			0.95	4.14
7/11/2012	24.81	24.67	24.67	24.10	20.53	24.10	20.53			0.71	4.14
7/11/2012	24.81	24.67	24.67	24.10	20.37	24.10	20.37			0.71	4.30
12/3/2012	24.81	24.67	24.67	24.10	20.56	24.10	20.56			0.61	3.50
3/19/2013	24.81	24.67	24.67	24.10	20.69	24.10	20.69			0.70	3.98
6/18/2013	24.81	24.67	24.67	23.95	20.35	23.95	20.35			0.86	4.32
8/28/2013	24.81	24.67	24.67	23.04	19.96	23.04	19.96			1.77	4.71
12/3/2013	24.81	24.67	24.67	23.89	20.25	23.89	20.25			0.92	4.42
2/17/2014	24.81	24.67	24.67	23.91	20.14	23.91	20.14			0.90	4.53
5/12/2014	24.81	24.67	24.67	22.93	19.87	22.93	19.87			1.88	4.80
8/18/2014	24.81	24.67	24.67	23.00	19.94	23.00	19.94			1.81	4.73
12/1/2014	24.81	24.67	24.67	20.32	23.68	20.32	23.68			4.49	0.99
2/18/2015	24.81	24.67	24.67	23.11	20.21	23.11	20.21			1.21	4.31
5/13/2015	24.81	24.67	24.67	23.24	20.18	23.24	20.18			1.70	4.46
8/10/2015	24.81	24.67	24.67	23.72	20.53	23.72	20.53			1.57	4.49
12/7/2015	24.81	24.67	24.67	23.52	20.43	23.52	20.43			1.09	4.14
3/7/2016	24.81	24.67	24.67	23.45	20.43	23.45	20.43			1.29	4.24
5/9/2016	24.81	24.67	24.67	24.12	20.83	24.12	20.83			1.36	0.17
8/22/2016	24.81	24.67	24.67	24.44	20.96	24.44	20.96			1.07	0.67
11/29/2016	27.81	24.67	24.67	24.12	20.83	24.12	20.83			3.69	3.84
2/20/2017	24.81	24.67	24.67	23.91	20.69	23.91	20.69			0.37	3.71
5/8/2017	24.81	24.67	24.67	23.40	20.30	23.40	20.30			0.90	3.98
9/5/2017	24.81	24.67	24.67	24.09	20.86	24.09	20.86			1.41	4.37
12/4/2017	24.81	24.67	24.67	22.70	20.11	22.70	20.11			0.72	3.81
3/26/2018	24.81	24.67	24.67	22.78	19.89	22.78	19.89			1.40	4.13
6/18/2018	24.81	24.67	24.67	22.48	19.97	22.48	19.97			2.11	4.56
9/10/2018	24.81	24.67	24.67	22.37	20.02	22.37	20.02			2.03	4.78
12/4/2018	24.81	24.67	24.67	22.48	19.97	22.48	19.97			2.44	2.21
6/3/2019	24.81	24.67	24.67	22.97	20.40	22.97	20.40			2.33	4.70
9/10/2019	24.81	24.67	24.67							1.83	4.27

Table 3
Groundwater Vertical Gradients
Former Defense Supply Center Philadelphia
First Quarter 2026

Date	Ground Elev. (feet)	Reported Depth to LNAPL (feet)	Reported Depth to Water (feet)	Reported LNAPL Thickness (feet)	Reported LNAPL Elevation (feet)	Reported Corrected Water Elevation (feet)	Gradient (feet)
Well ID							
DSCP-MW-20D	DSCP-MW-20D	DSCP-MW-20D	DSCP-MW-20D	DSCP-MW-20D	DSCP-MW-20D	DSCP-MW-20D	
12/2/2019	24.81	24.67	25.40	20.59		-0.59	4.67
6/11/2020	24.81	24.67	23.35	20.82		1.46	3.85
9/22/2020	24.81	24.67	23.22	20.67		1.59	4.00
12/22/2020	24.81	24.67	22.96	20.46		1.85	4.21
5/25/2021	24.81	24.67	23.16	20.56		1.65	4.11
9/14/2021	24.81	24.67	22.66	20.01		2.15	4.66
11/30/2021	24.81	24.67	23.21	20.33		1.60	4.34
2/28/2022	24.81	24.67	24.11	20.92	0.00	0.70	3.75
4/11/2022	24.81	24.67	23.85	21.71		0.96	2.96
9/20/2022	24.81	24.67	23.68	20.49		1.13	4.18
12/6/2022	24.81	24.67	23.89	20.72		0.92	3.95
3/21/2023	24.81	24.67	23.75	20.76		1.06	3.91
5/9/2023	24.81	24.67	23.51	20.68		1.30	3.99
8/22/2023	24.81	24.67	22.82	20.09		1.99	4.58
11/28/2023	24.81	24.67	23.21	11.34		1.60	13.33
2/6/2024	24.81	24.67	22.38	20.03		2.43	4.64
4/2/2024	24.81	24.67	22.10	19.76		2.71	4.91
8/27/2024	24.81	24.67	22.85	20.04		1.96	4.63
12/3/2024	24.81	24.67	24.2	20.79		0.61	3.88
2/25/2025	24.81	24.67	24.36	21.22		0.45	3.45
6/10/2025	24.81	24.67	23.01	20.25		1.8	4.42
9/9/2025	24.81	24.67	23.14	20.18		1.67	4.49
12/2/2025	24.81	24.67	20.9	20.65		3.91	4.02
3/10/2026	24.81	24.67	23.67	20.62		1.14	4.05

Table 4
Biovent-Biosparge Pilot Study Area Groundwater Analytical Data - First Quarter 2026
Volatile Organic Compounds
Former Defense Supply Center Philadelphia

Location	Analyte	1,2,3-Trichloropropane		1,2,4-Trimethylbenzene		1,2-Dibromo-3-chloropropane		1,2-Dibromoethane		1,2-Dichloroethane		1,3,5-Trimethylbenzene		2,2,4-Trimethylpentane		Benzene	
		RES SVGW	NONRES SVGW	RES	NONRES	RES	NONRES	RES	NONRES	RES	NONRES	RES	NONRES	RES	NONRES	RES	NONRES
PH-MW-66	Sample Date	3/11/2026	3/11/2026	1.8 J	1.8 J	0.057	0.057	0.29	0.29	3.4	3.4	36	36	<1.0 U	<1.0 U	2.3	2.3
PH-MW-67	3/12/2026	<5.0 U	<5.0 U	230 cn	230 cn	0.020 MJ	0.020 MJ	<0.019 U	<0.019 U	<1.0 UQ	<1.0 UQ	56	56	<1.0 U	<1.0 U	7300 D	7300 D
PH-PH-2	3/11/2026	<5.0 U	<5.0 U	10 JD	10 JD	0.024	0.024	<0.019 U	<0.019 U	<10 UMQ	<10 UMQ	43 JD	43 JD	<10 U	<10 U	8700 D	8700 D
PH-PH-21	3/11/2026	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U	<1.0 UQ	<1.0 UQ	<5.0 U	<5.0 U	<1.0 U	<1.0 U	0.39 J	0.39 J
PH-RW-A	3/11/2026	<5.0 U	<5.0 U	1.1 J	1.1 J	<0.019 U	<0.019 U	<0.019 U	<0.019 U	<1.0 UMQ	<1.0 UMQ	7.3	7.3	<1.0 U	<1.0 U	350 D	350 D
PH-RW-A	3/11/2026	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U	<1.0 UQ	<1.0 UQ	4.6 J	4.6 J	<1.0 U	<1.0 U	210	210
PH-RW-A2	3/11/2026	<5.0 U	<5.0 U	8.0	8.0	0.023 J	0.023 J	0.016 JM	0.016 JM	<1.0 UMQ	<1.0 UMQ	17	17	<1.0 U	<1.0 U	1500 D	1500 D
PH-RW-B	3/12/2026	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<0.019 U	<0.019 U	<0.019 U	<0.019 U	<1.0 U	<1.0 U	0.33 J	0.33 J	<1.0 U	<1.0 U	3.8	3.8
PH-RW-B2	3/12/2026	<5.0 U	<5.0 U	21	21	0.073 J	0.073 J	<0.019 U	<0.019 U	<1.0 UQ	<1.0 UQ	5.1	5.1	<1.0 U	<1.0 U	410 D	410 D
Location	Analyte	Ethylbenzene		Isopropylbenzene		Methyl-tert-butylether		Naphthalene		tert-Butyl alcohol		Toluene		Total Xylenes			
		RES SVGW	NONRES SVGW	RES	NONRES	RES	NONRES	RES	NONRES	RES	NONRES	RES	NONRES	RES	NONRES	RES	NONRES
PH-MW-66	Sample Date	3/11/2026	3/11/2026	1.1	1.1	<1.0 U	<1.0 U	<5.0 U	<5.0 U	<50 U	<50 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U		
PH-MW-67	3/12/2026	320 D	320 D	13	13	<1.0 U	<1.0 U	120	120	<50 UQM	<50 UQM	350 D	350 D	860 D	860 D		
PH-PH-2	3/11/2026	350 D	350 D	43 JD	43 JD	<1.0 U	<1.0 U	120 D	120 D	<500 U	<500 U	380 D	380 D	190 D	190 D		
PH-PH-21	3/11/2026	<1.0 U	<1.0 U	1.3 J	1.3 J	<1.0 U	<1.0 U	<5.0 U	<5.0 U	17 J	17 J	<1.0 U	<1.0 U	<1.0 U	<1.0 U		
PH-RW-A	3/11/2026	28	28	12	12	<1.0 U	<1.0 U	<5.0 U	<5.0 U	24 J	24 J	27	27	22	22		
PH-RW-A	3/11/2026	19	19	10	10	<1.0 U	<1.0 U	<5.0 U	<5.0 U	<50 U	<50 U	16	16	14	14		
PH-RW-A2	3/11/2026	74	74	15	15	<1.0 U	<1.0 U	6.4	6.4	55	55	52	52	57	57		
PH-RW-B	3/12/2026	0.41 J	0.41 J	<5.0 U	<5.0 U	<1.0 U	<1.0 U	<5.0 U	<5.0 U	<50 U	<50 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U		
PH-RW-B2	3/12/2026	37	37	4.1 J	4.1 J	<1.0 U	<1.0 U	8.4	8.4	<50 U	<50 U	8.2	8.2	20	20		

Notes:

Shading indicates an exceedance of an applicable SVGW.

µg/l = micrograms per liter

D = The concentration is based on a diluted sample analysis.

J = indicates an estimated result

M = The result is an estimate due to interference from the sample or equipment.

NONRES = non-residential

Q = indicates failure of quality control measure recovery limits

RES = residential

SVGW = Pennsylvania Department of Environmental Protection 2022 groundwater screening value

U = The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

Table 5
Biovent-Biosparge Pilot Study Area Groundwater Analytical Data - First Quarter 2026
Metals

Former Defense Supply Center Philadelphia

Location	Sample Date	Analyte		Arsenic		Iron		Iron		Lead		Lead		Manganese		Manganese	
		RES MSC (TDS ≤ 2500)	Units	10	Result	10	Result	D	Result	5	Result	5	Result	300	Result	300	Result
PH-MW-66	3/11/2026			1.3 J		1.5 J		50 J		< 0.52 U		< 0.52 U		3800		300	
PH-MW-67	3/12/2026			13		16		35000		< 0.52 U		< 0.52 U		3800		300	
PH-PH-2	3/11/2026			6.6		7.8		56000		0.14 J		0.14 J		270		300	
PH-PH-21	3/11/2026			0.86 J		2.5		240		< 0.52 U		< 0.52 U		500		300	
PH-RW-A	3/11/2026			5.0		15		2700		0.26 J		0.26 J		410		300	
PH-RW-A	3/11/2026			4.0		15		2300		0.34 J		0.34 J		400		300	
PH-RW-A2	3/11/2026			5.6		12		5600		< 0.52 U		< 0.52 U		13000 D		300	
PH-RW-B	3/12/2026			1.4 J		1.5 J		230		0.17 J		0.17 J		340		300	
PH-RW-B2	3/12/2026			4.3		2.9		5700		3.0		3.0		2600		300	

Notes:

Shading indicates an exceedance of an applicable MSC.

µg/l = micrograms per liter

B = The compound was detected in the laboratory method blank.

D = The concentration is based on a diluted sample analysis.

J = indicates an estimated result

NRES = non-residential

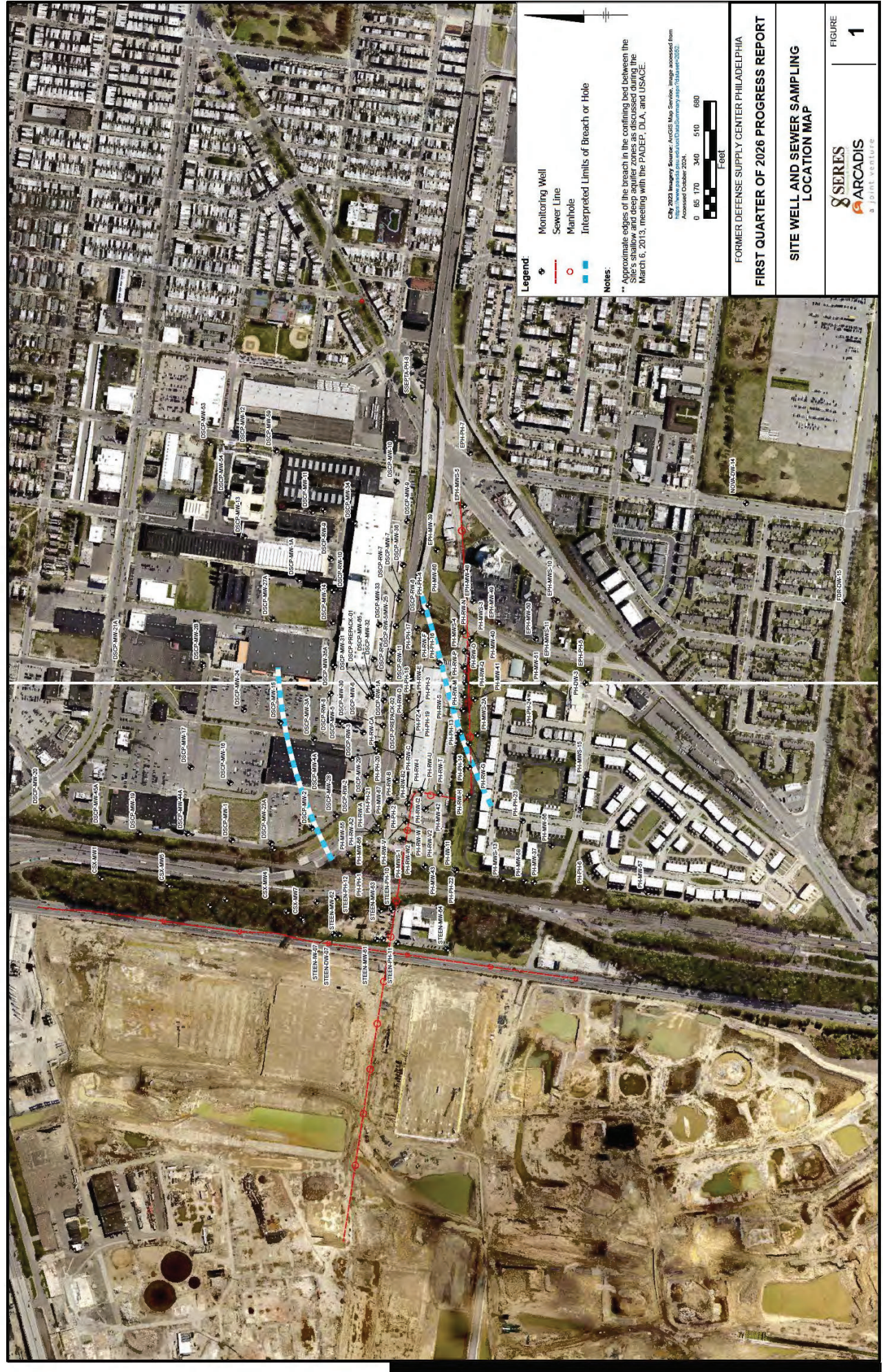
RES = residential

MSC = Pennsylvania Department of Environmental Protection Medium-Specific Concentration for Used Aquifer

TDS = total dissolved solids

U = The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

Figures



Legend

- Monitoring Well
- Sewer Line
- Manhole
- Interpreted Limits of Breach or Hole

Notes

** Approximate edges of the breach in the confining bed between the PADEP, D.A., and USACE. March 6, 2013, meeting with the PADEP, D.A., and USACE.

City 2023 Imagery, Source: Aerial, Map Services, Image accessed from ArcGIS Online, Accessed October 2024.

0 85 170 340 510 680 Feet

FORMER DEFENSE SUPPLY CENTER PHILADELPHIA

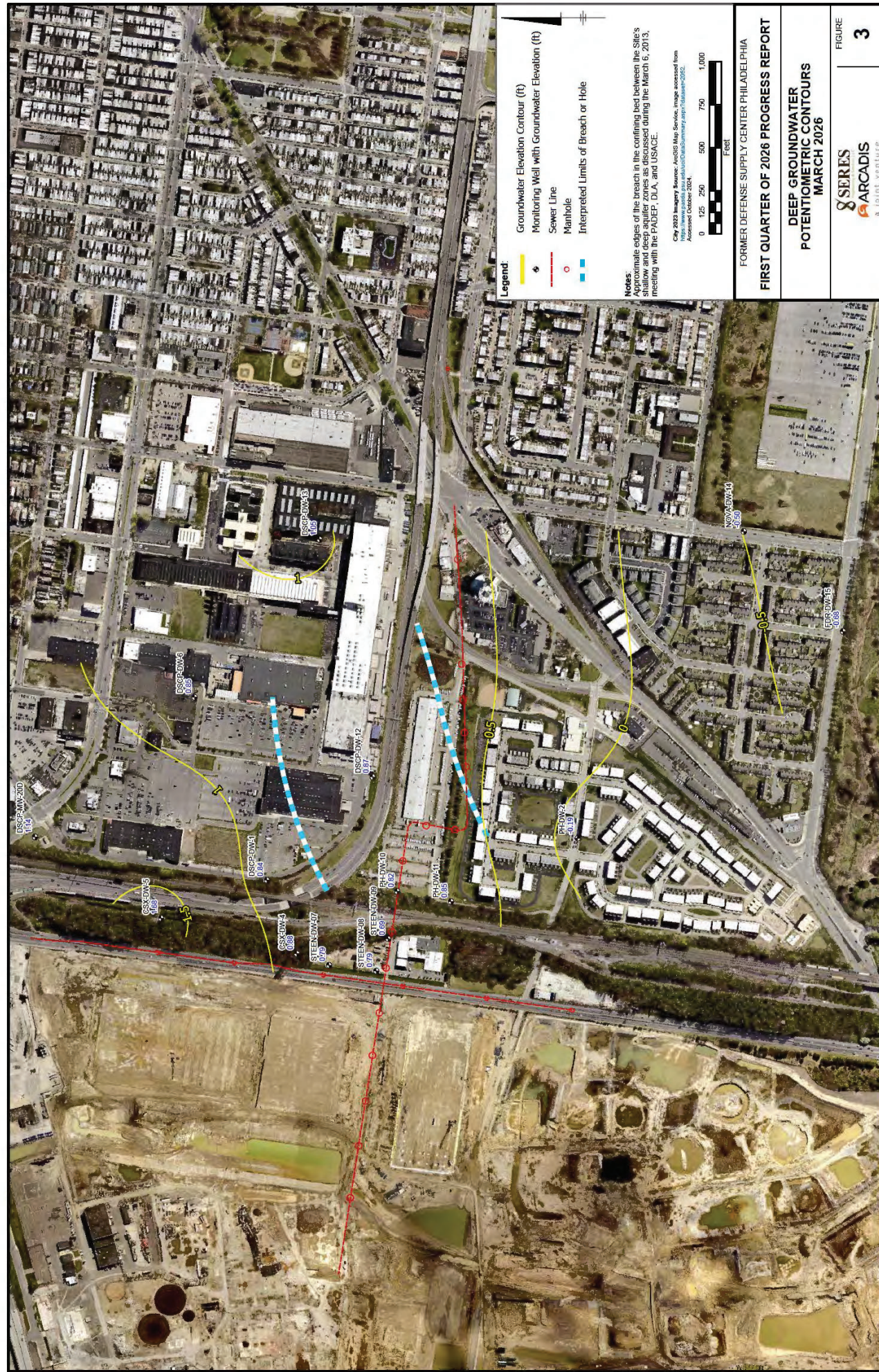
FIRST QUARTER OF 2026 PROGRESS REPORT

SITE WELL AND SEWER SAMPLING LOCATION MAP

SDP&S
ARCADIS
a joint venture

FIGURE
1







Attachments

Attachment 1:

LNAPL Recovery

Attachment 1 - Table 1
Gallons of LNAPL Recovered per Quarter
Former Defense Supply Center Philadelphia
First Quarter 2026

	DSCP System Wells	DSCP Cumulative	PHA System Wells	PHA Cumulative	Mobile System Wells	Mobile Cumulative	Vapors	Vapor Cumulative	Quarterly Total	Total Without Vapors	Total With Vapors
Army Corps	153350.0		0.0		0.0		2840**		153,350		153,350
4th Qtr 1999*	83977.0	83,977	45,057.0	45,057	26,904.0	26,904	0		155,938		312,128
1st Qtr 2000	23744.0	107,721	12,435.0	57,492	9,452.0	36,356	0		45,631		357,759
2nd Qtr 2000	49744.0	157,465	13,079.0	70,571	13,770.0	50,126	0		76,593		434,352
3rd Qtr 2000	43603.0	201,068	10,828.0	81,399	3,316.0	53,442	0		57,747		492,099
4th Qtr 2000	43506.0	244,574	12,913.0	94,312	8,561.0	62,003	0		64,980		557,079
1st Qtr 2001	19170.0	263,744	9,033.0	103,345	8,302.0	70,305	0		36,505		593,584
2nd Qtr 2001	30784.0	294,528	8,396.0	111,741	3,535.0	73,840	0		42,715		636,299
3rd Qtr 2001	21050.0	315,578	7,883.0	119,624	6,135.0	79,975	0		35,068		671,367
4th Qtr 2001	12629.0	328,207	5,787.0	125,411	6,689.0	86,664	0		25,105		696,472
1st Qtr 2002	8714.0	336,921	3,655.0	129,066	3,609.0	90,273	0		15,978		712,450
2nd Qtr 2002	7144.0	344,065	4,340.0	133,406	3,755.0	94,028	0		15,239		727,689
3rd Qtr 2002	4618.0	348,683	12,267.0	145,673	3,029.0	97,057	0		19,914		747,603
4th Qtr 2002	7089.0	355,772	12,251.0	157,924	7,207.0	104,264	0		26,547		774,150
1st Qtr 2003	4335.0	360,107	460.0	158,384	2,082.0	106,346	0		6,877		781,027
2nd Qtr 2003	11750.0	371,857	1,761.0	160,145	5,425.0	111,771	0		18,936		799,963
3rd Qtr 2003	16036.0	387,893	1,944.0	162,089	8,832.0	120,603	0		26,812		826,775
4th Qtr 2003	9805.0	397,698	1,285.0	163,374	4,063.0	124,666	0		15,153		841,928
1st Qtr 2004	9023.0	406,721	234.0	163,608	2,756.0	127,422	0		12,013		853,941
2nd Qtr 2004	7080.0	413,801	52.0	163,660	1,935.0	129,357	0		9,067		863,008
3rd Qtr 2004	3744.0	417,545	90.0	163,750	1,262.0	130,619	0		5,096		868,104
4th Qtr 2004	3975.0	421,520	236.0	163,986	1,077.0	131,696	0	0	5,288		873,392
1st Qtr 2005	4961.0	426,481	19.0	164,005	813.0	132,509	0	0	5,793		879,185
2nd Qtr 2005	4483.0	430,964	12.0	164,017	749.0	133,258	0	0	5,244		884,429
3rd Qtr 2005	15030.0	445,994	1,078.0	165,095	793.0	134,051	723	723	17,624	901,330	902,053
4th Qtr 2005	11174.0	457,168	1,305.0	166,400	442.0	134,493	1,035	1,758	13,956	914,251	916,009
1st Qtr 2006	7121.0	464,289	247.0	166,647	216.0	134,709	744	2,502	8,328	921,835	924,337
2nd Qtr 2006	7891.0	472,180	317.0	166,964	346.0	135,055	1,221	3,723	9,775	930,389	934,112
3rd Qtr 2006	1449.0	473,629	38.0	167,002	143.0	135,198	983	4,706	2,613	932,019	936,725
4th Qtr 2006	1483.0	475,112	53.0	167,055	17.0	135,215	1,416	6,122	2,969	933,572	939,694
1st Qtr 2007	778.0	475,890	503.0	167,558	25.0	135,240	774	6,896	2,080	934,878	941,774
2nd Qtr 2007	537.0	476,427	0.0	167,558	19.0	135,259	252	7,148	808	935,434	942,582
3rd Qtr 2007	1807.0	478,234	0.0	167,558	47.0	135,306	210	7,358	2,064	937,288	944,646
4th Qtr 2007	4350.0	482,584	0.0	167,558	16.0	135,322	214	7,572	4,580	941,654	949,226
1st Qtr 2008	2653.0	485,237	0.0	167,558	84.0	135,406	256	7,828	2,993	944,391	952,219
2nd Qtr 2008	1976.0	487,213	0.0	167,558	16.0	135,422	216	8,044	2,208	946,383	954,427
3rd Qtr 2008	2324.0	489,537	0.0	167,558	42.0	135,464	190	8,234	2,556	948,749	956,983
4th Qtr 2008	4304.0	493,841	0.0	167,558	50.0	135,514	342	8,576	4,696	953,103	961,679
1st Qtr 2009	2116.0	495,957	0.0	167,558	100.0	135,614	120	8,696	2,336	955,319	964,015
2nd Qtr 2009	1081.0	497,038	0.0	167,558	250.0	135,864	55	8,751	1,386	956,650	965,401
3rd Qtr 2009	387.0	497,425	0.0	167,558	75.0	135,939	118	8,869	580	957,112	965,981
4th Qtr 2009	104.0	497,529	0.0	167,558	17.0	135,956	151	9,020	272	957,233	966,253
1st Qtr 2010	33.0	497,562	0.0	167,558	0.0	135,956	135	9,155	168	957,266	966,421
2nd Qtr 2010	15.0	497,577	0.0	167,558	0.0	135,956	0	9,155	15	957,281	966,436
3rd Qtr 2010	115.0	497,692	0.0	167,558	8.0	135,964	134	9,289	257	957,404	966,693
4th Qtr 2010	1273.0	498,965	0.0	167,558	33.0	135,997	167	9,456	1,473	958,710	968,166
1st Qtr 2011	1010.0	499,975	0.0	167,558	33.0	136,030	143	9,599	1,186	959,753	969,352
2nd Qtr 2011	231.0	500,206	0.0	167,558	55.0	136,085	266	9,865	552	960,039	969,904
***3rd Qtr 2011	337.0	500,543	0.0	167,558	194.0	136,279	173	10,038	704	960,570	970,608
4th Qtr 2011	0.0	500,543	0.0	167,558	0.0	136,279	2,062	12,100	2,062	960,570	972,670
1st Qtr 2012	0.0	500,543	0.0	167,558	6.0	136,285	3,487	15,587	3,493	960,576	976,163
2nd Qtr 2012	281.0	500,824	0.0	167,558	59.0	136,344	14,609	30,196	14,949	960,916	991,112
3rd Qtr 2012****	1822.0	502,646	0.0	167,558	16.0	136,360	3,285	33,481	5,123	962,864	996,345
4th Qtr 2012	1044.0	503,690	0.0	167,558	0.0	136,360	2,933	36,414	3,977	963,908	1,000,322
1st Qtr 2013	2074.0	505,764	0.0	167,558	17.0	136,377	4,101	40,515	6,192	965,999	1,006,514
2nd Qtr 2013	1678.0	507,442	0.0	167,558	33.0	136,410	7,204	47,719	8,915	967,710	1,015,429
3th Qtr 2013	483.0	507,925	0.0	167,558	17.0	136,427	2,337	50,056	2,837	968,210	1,018,266
4th Qtr 2013	143.0	508,068	0.0	167,558	0.0	136,427	3,494	53,550	3,637	968,353	1,021,903
1st Qtr 2014	60.0	508,128	0.0	167,558	0.0	136,427	1,359	54,909	1,419	968,413	1,023,322
2nd Qtr 2014	328.0	508,456	0.0	167,558	0.0	136,427	3,227	58,136	3,555	968,741	1,026,877
3rd Qtr 2014	0.0	508,456	184.0	167,742	0.0	136,427	2,608	60,745	2,792	968,925	1,029,670
4th Qtr 2014	106.0	508,562	33.0	167,775	0.0	136,427	6,728	67,473	6,867	969,064	1,036,537
1st Qtr 2015	47.0	508,609	28.0	167,803	0.0	136,427	2,131	69,604	2,206	969,139	1,038,743
2nd Qtr 2015	23.0	508,632	19.0	167,822	0.0	136,427	1,870	71,474	1,912	969,181	1,040,655
3rd Qtr 2015	77.0	508,709	53.7	167,876	74.0	136,501	1,439	72,913	1,644	969,386	1,042,299
4th Qtr 2015	82.0	508,791	8.0	167,884	27.0	136,528	1,591	74,504	1,708	969,503	1,044,007
1st Qtr 2016	12.0	508,803	14.0	167,898	7.9	136,536	2,445	76,949	2,479	969,537	1,046,486
2nd Qtr 2016	45.0	508,848	26.0	167,924	8.7	136,545	1,845	78,794	1,925	969,616	1,048,410
3rd Qtr 2016	145.0	508,993	16.0	167,940	14.2	136,559	2,268	81,062	2,443	969,792	1,050,854
4th Qtr 2016	1013.0	510,006	37.0	167,977	21.0	136,580	2,062	83,124	3,133	970,863	1,053,987
1st Qtr 2017	120.0	510,126	39.0	168,016	10.0	136,590	1,151	84,275	1,320	971,032	1,055,307
2nd Qtr 2017	216.0	510,342	46.0	168,062	0.0	136,590	1,691	85,966	1,953	971,294	1,057,260
3rd Qtr 2017	22.0	510,364	21.0	168,083	37.0	136,627	1,465	87,431	1,545	971,374	1,058,805
4th Qtr 2017	162.0	510,526	9.0	168,092	0.0	136,627	1,448	88,879	1,619	971,545	1,060,424
1st Qtr 2018	349.0	510,875	10.0	168,102	0.0	136,627	1,653	90,532	2,012	971,904	1,062,435
2nd Qtr 2018	1.0	510,876	0.0	168,102	0.0	136,627	1,611	92,143	1,612	971,905	1,064,047
3rd Qtr 2018	28.0	510,904	0.0	168,102	0.0	136,627	1,910	94,053	1,938	971,933	1,065,985
4th Qtr 2018	0.0	510,904	0.0	168,102	0.0	136,627	1,134	95,187	1,134	971,933	1,067,119
1st Qtr 2019	0.0	510,904	0.0	168,102	0.4	136,627	322	95,509	322	971,933	1,067,442
2nd Qtr 2019	0.0	510,904	0.0	168,102	0.0	136,627	1,033	96,542	1,033	971,933	1,068,475
3rd Qtr 2019	3.0	510,907	7.0	168,109	0.0	136,627	1,053	97,595	1,063	971,943	1,069,538
4th Qtr 2019	2.0	510,909	2.0	168,111	0.0	136,627	1,646	99,241	1,650	971,947	1,071,188
1st Qtr 2020	0.0	510,909	0.0	168,111	0.0	136,627	1,156	100,397	1,156	971,947	1,072,344
2nd Qtr 2020	1.0	510,910	1.0	168,112	0.0	136,627	746	101,142	748	971,949	1,073,091
3rd Qtr 2020	0.0	510,910	0.0	168,112	0.0	136,627	1,631	102,773	1,631	971,949	1,074,722
4th Qtr 2020	0.0	510,910	0.0	168,112	0.0	136,627	1,364	104,138	1,364	971,949	1,076,087
1st Qtr 2021	0.0	510,910	0.0	168,112	0.0	136,627	747	104,885	747	971,949	1,076,834
2nd Qtr 2021	0.0	510,910	0.0	168,112	0.0	136,627	679	105,564	679	971,949	1,077,513
3rd Qtr 2021	0.0	510,910	0.0	168,112	0.0	136,627	766	106,330	766	971,949	1,078,279
4th Qtr 2021	0.0	510,910	0.0	168,112	0.0	136,627	935	107,265	935	971,949	1,079,214
1st Qtr 2022	0.0	510,910	0.0	168,112	0.0	136,627	293	107,558	293	971,949	1,079,507
2nd Qtr 2022	0.0	510,910</									

Attachment 1 - Table 1
Gallons of LNAPL Recovered per Quarter
Former Defense Supply Center Philadelphia
First Quarter 2026

	DSCP System Wells	DSCP Cumulative	PHA System Wells	PHA Cumulative	Mobile System Wells	Mobile Cumulative	Vapors	Vapor Cumulative	Quarterly Total	Total Without Vapors	Total With Vapors
4rd Qtr 2024	1.8	510,935	0.0	168,114	0.8	136,632	1,690	116,412	1,693	971,981	1,088,393
1st Qtr 2025	2.0	510,937	0.0	168,114	9.0	136,641	1,584	117,995	1,595	971,992	1,089,987
2nd Qtr 2025	0.0	510,937	0.0	168,114	2.0	136,643	1,267	119,262	1,269	971,994	1,091,256
3rd Qtr 2025	0.0	510,937	0.0	168,114	2.3	136,645	1,271	120,533	1,273	971,996	1,092,529
4th Qtr 2025	0.0	510,937	0.0	168,114	0.0	136,645	1,693	122,225	1,693	971,996	1,094,222
1st Qtr 2026	0.0	510,937	0.0	168,114	0.0	136,645	1,122	123,347	1,122	971,996	1,095,344

* - 4th Quarter 1999 includes all of the product recovered by IT Corporation prior to that date.

Red cells note that there is a discrepancy

Vapor totals for Fourth Quarter 2003 are a summary of the entire year.

Vapor totals for 3rd Quarter 2007 are totals for the entire VES

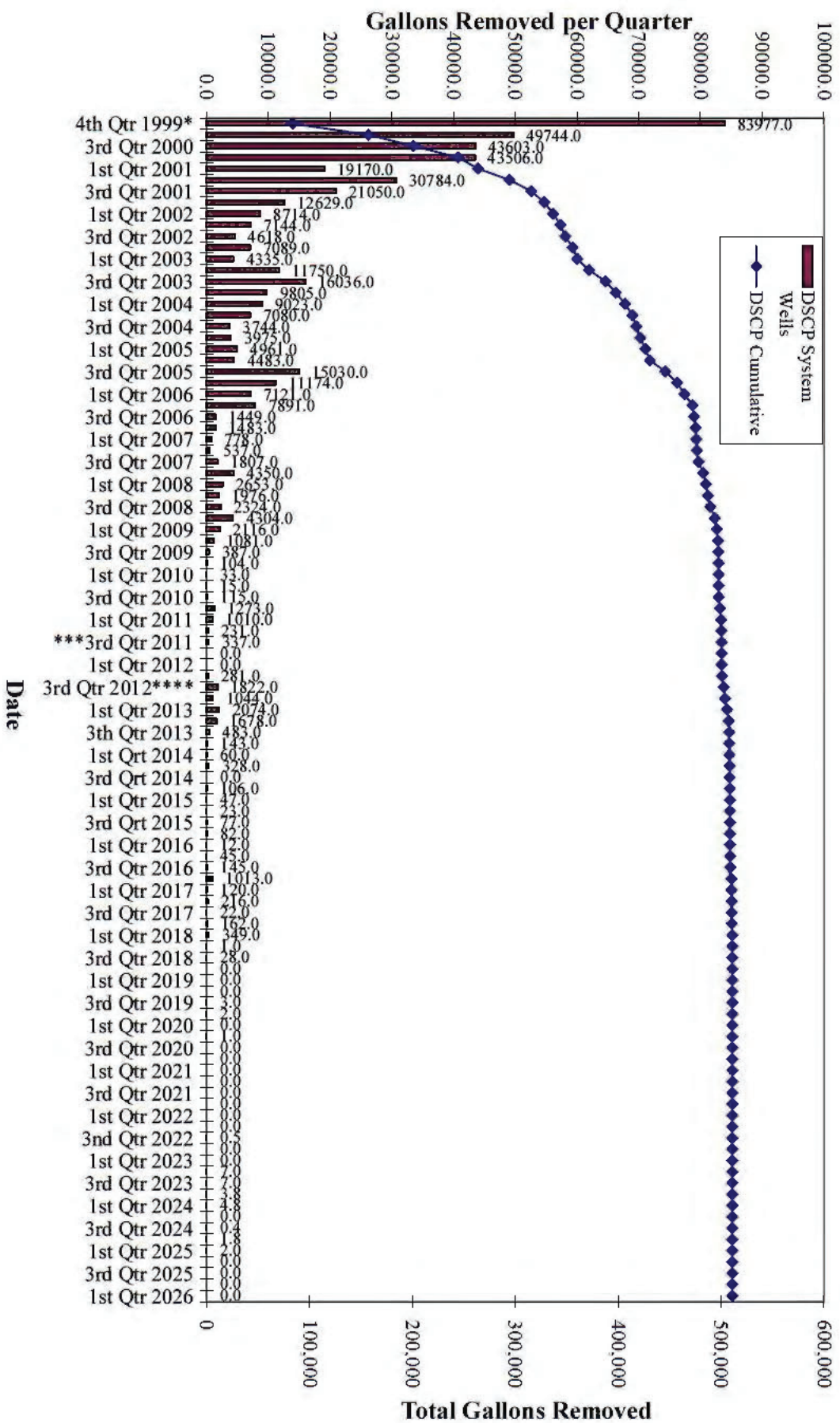
** - Vapor total in this cell is for the mass removed during the ICE testing at the site.

*** - Error in reported total cumulative LNAPL was found in the Third Quarter 2011 and corrected on this table.

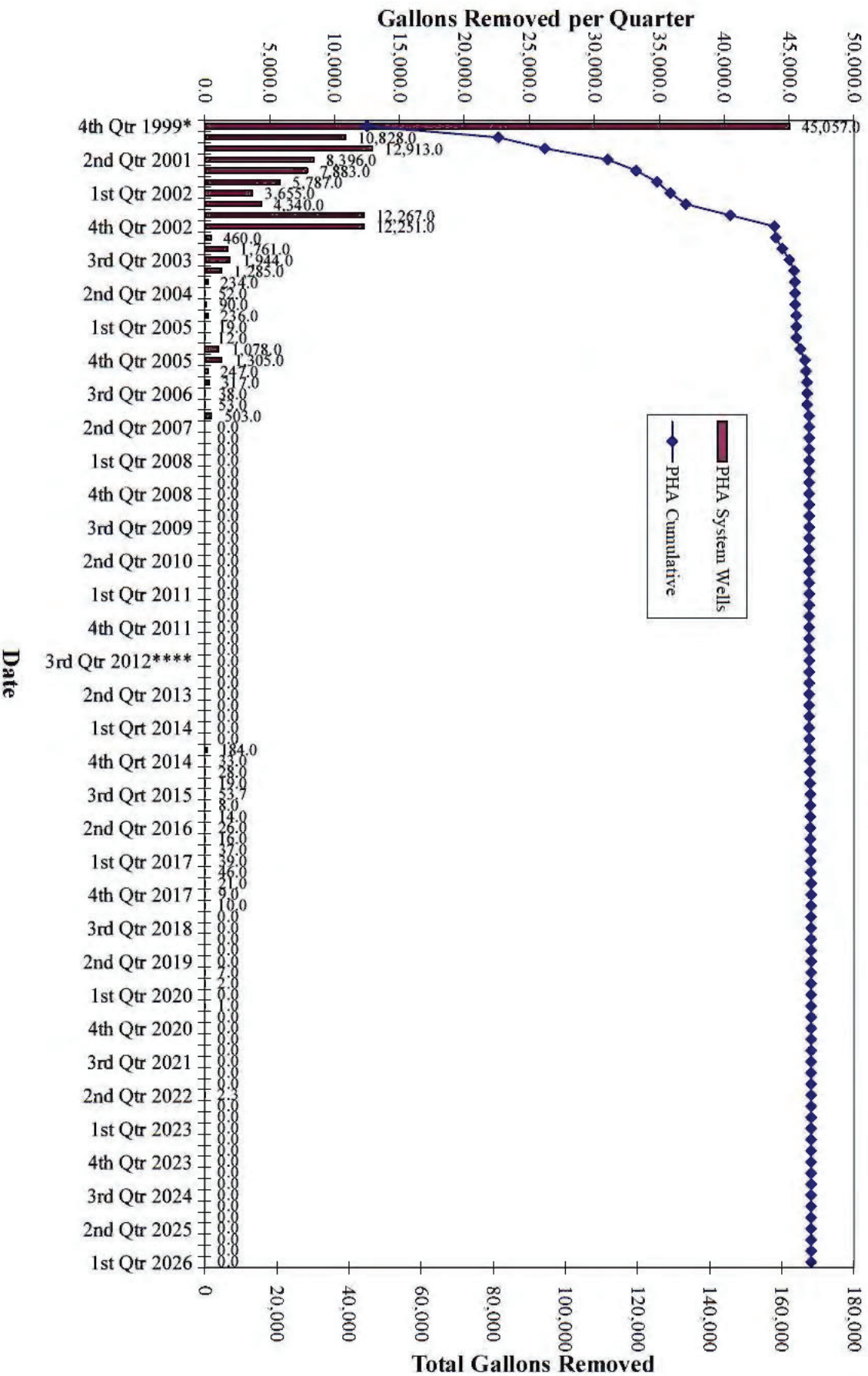
**** - The total as of the Third Quarter 2012 has been updated to include 110 gallons recovered by the Vacuum Truck Extraction testing.

DSCP, PHA, and Mobile Skimming Cumulative gallons includes LNAPL from manual bailing of these and other wells that has been added to the tanks.

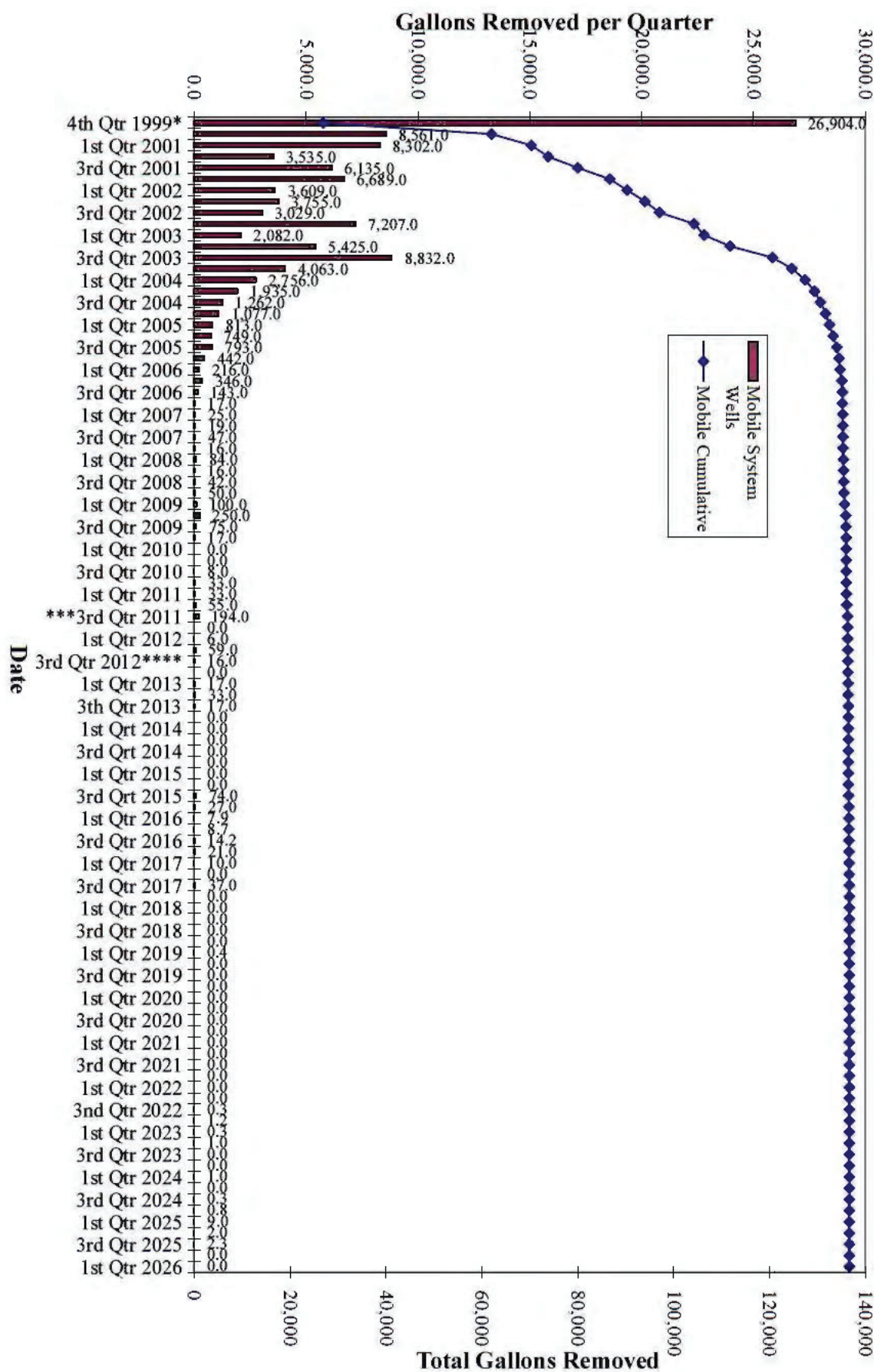
Attachment 1: Figure 1
DSCP System Recovery by Quarter
First Quarter 2026



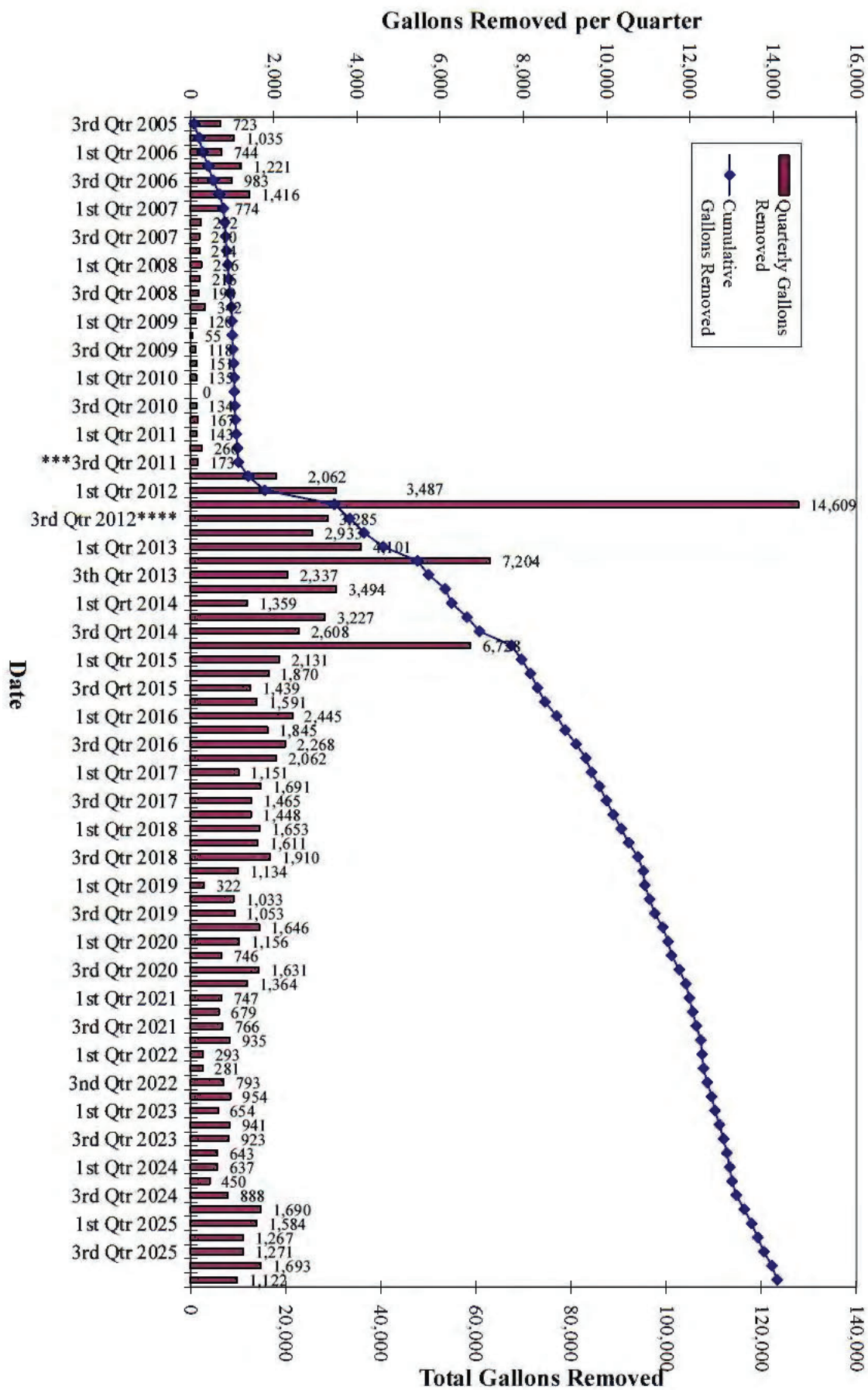
Attachment 1: Figure 2
 PHA System Recovery by Quarter
 First Quarter 2026



Attachment 1: Figure 3
Mobile Systems Recovery by Quarter
First Quarter 2026



Attachment: Figure 4
Vapor Recovery by Quarter
First Quarter 2026



Attachment 1 - Table 2
Summary of Product Recovery
DSCP Fixed Active System Wells
First Quarter 2026

Well	Fourth Quarter Product Recovery 01/01/2026 through 03/31/2026 (gallons)	Cumulative Product Recovery (gallons)
RW-1A	0	47,829
RW-2	0	46,569
RW-3	0	35,959
RW-4	0	13,336
RW-5	0	315,005
RW-6	0	72,651
RW-7	0	2,084
RW-8	0	3,934
RW-9	0	8,998
RW-10	0	0
RW-11	0	2,335
RW-33	0	146,601
MW-5	0	6,389
MW-11	0	539
MW-14	0	3,610
MW-28	0	0
MW-29	0	27,736
MW-31	0	0
MW-32	0	24,143
MW-33	0	3
MW-34	0	0
MW-35A	0	0
Well Totals	0	757,720
Tank Chart	0	510,937

Note: Tank chart may vary from well totals.

Attachment 1 - Table 3
Summary of Product Recovery
Passyunk Homes Area Fixed Active System Wells
First Quarter 2026

Well	Fourth Quarter Product Recovery 01/01/2026 through 03/31/2026 (gallons)	Cumulative Product Recovery (gallons)
RW-A	0	17,683
RW-B	0	5,240
RW-CA	0	1,281
RW-D	0	48,662
RW-E	0	20,451
RW-F	0	3,597
RW-G	0	26,193
RW-I	0	46,008
PH-13	0	2,748
PH-14	0	12,192
RW-H	0	122
MWS-2A	0	0
PH-20	0	306
Well Totals	0	184,482
Tank Chart	0	168,114

Note: Tank chart is higher than well totals as it includes LNAPL from manual bailing of PH-PH-17 & PH-PH-18

Attachment 1 - Table 4
Summary of Product Recovery
DSCP Modular Systems or Manual Skimming Wells
First Quarter 2026

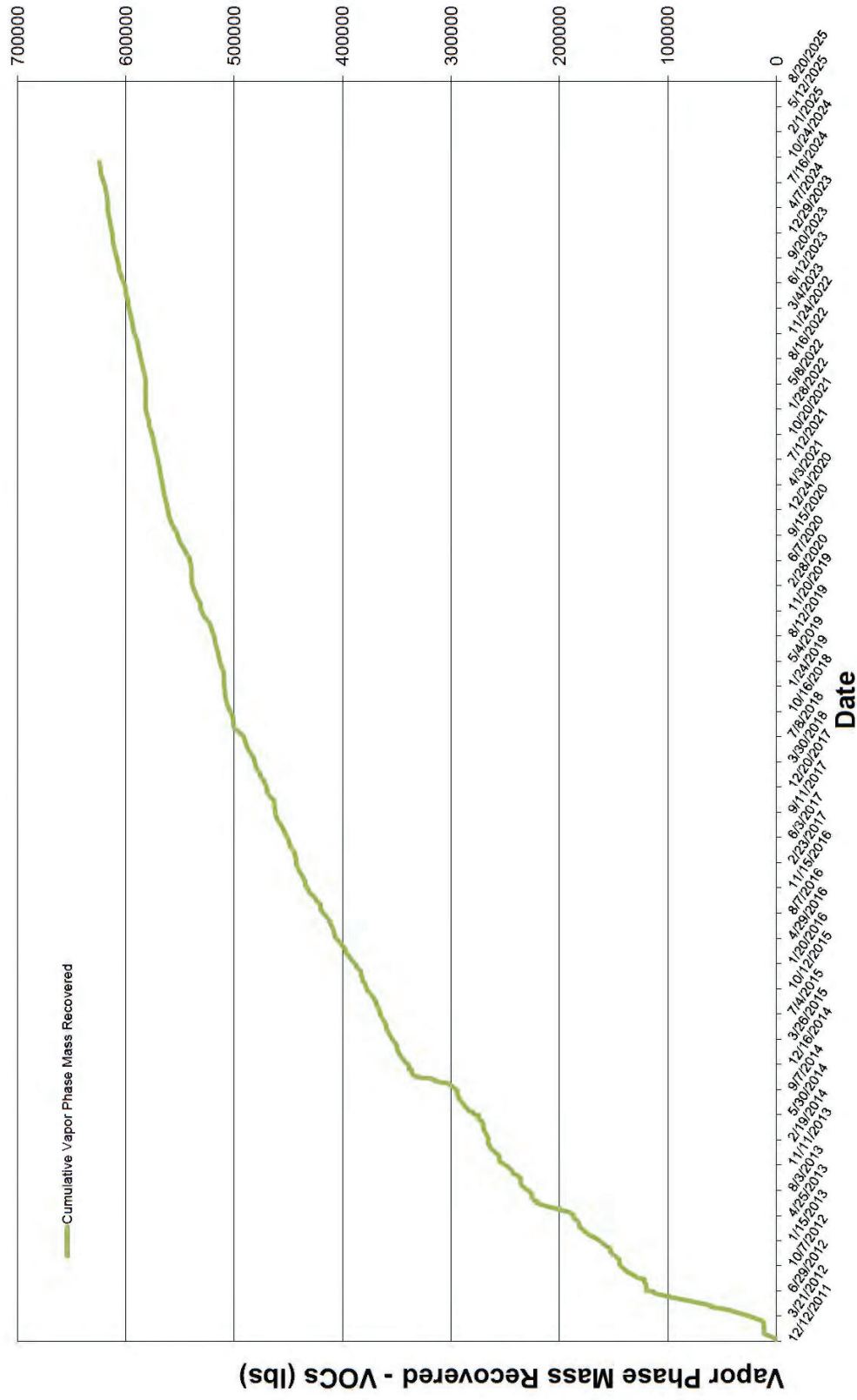
Well	Fourth Quarter Product Recovery 01/01/2026 through 03/31/2026 (gallons)			Cumulative Product Recovery (gallons)
	Date	Status	Gallons	
MW-3A	6/17/2020	Mobile system removed	0	4,006
PH-2	2/27/2005	Mobile system turned off	0	0
PH-19	12/22/2004	Mobile system turned off	0	4.6
PH-20	11/8/2004	Mobile system added	0	1947
RW-8	10/13/2004	Connected to fixed system	0	28,185
RW-9	10/13/2004	Connected to fixed system	0	29,904
RW-10	10/13/2004	Connected to fixed system	0	16,936
MW-32	10/13/2004	Connected to fixed system	0	17,981
MW-30	7/15/2004	Mobile system moved	0	68
MW-34	10/13/2004	Connected to fixed system	0	413
MW-41	10/27/2004	Connected to fixed system	0	3,727
MW-28	10/13/2004	Connected to fixed system	0	2,158
MW-29	10/13/2004	Connected to fixed system	0	5,298
MW-47	7/2/2003	Mobile system moved	0	1,819
RW-M	10/27/2004	Connected to fixed system	0	23
RW-O	10/27/2004	Connected to fixed system	0	23
MWS-3	10/27/2004	Connected to fixed system	0	4,578
MW-5	10/13/2004	Connected to fixed system	0	340
MW-11	10/13/2004	Connected to fixed system	0	1,840
PH-16	10/27/2004	Connected to fixed system	0	3
PH-23	10/27/2004	Mobile system moved	0	0
RW-33	10/13/2004	Connected to fixed system	0	17,099
RW-C	11/8/2005	Mobile system turned off	0	8
PH-18	7/29/2005	Previously Mobile System	0	105
MW-65	7/20/2015	Mobile system added	0	142
RW-G	7/5/2017	Connected to fixed system	0	37
Total Mobile Systems			0.0	136,645

Notes:

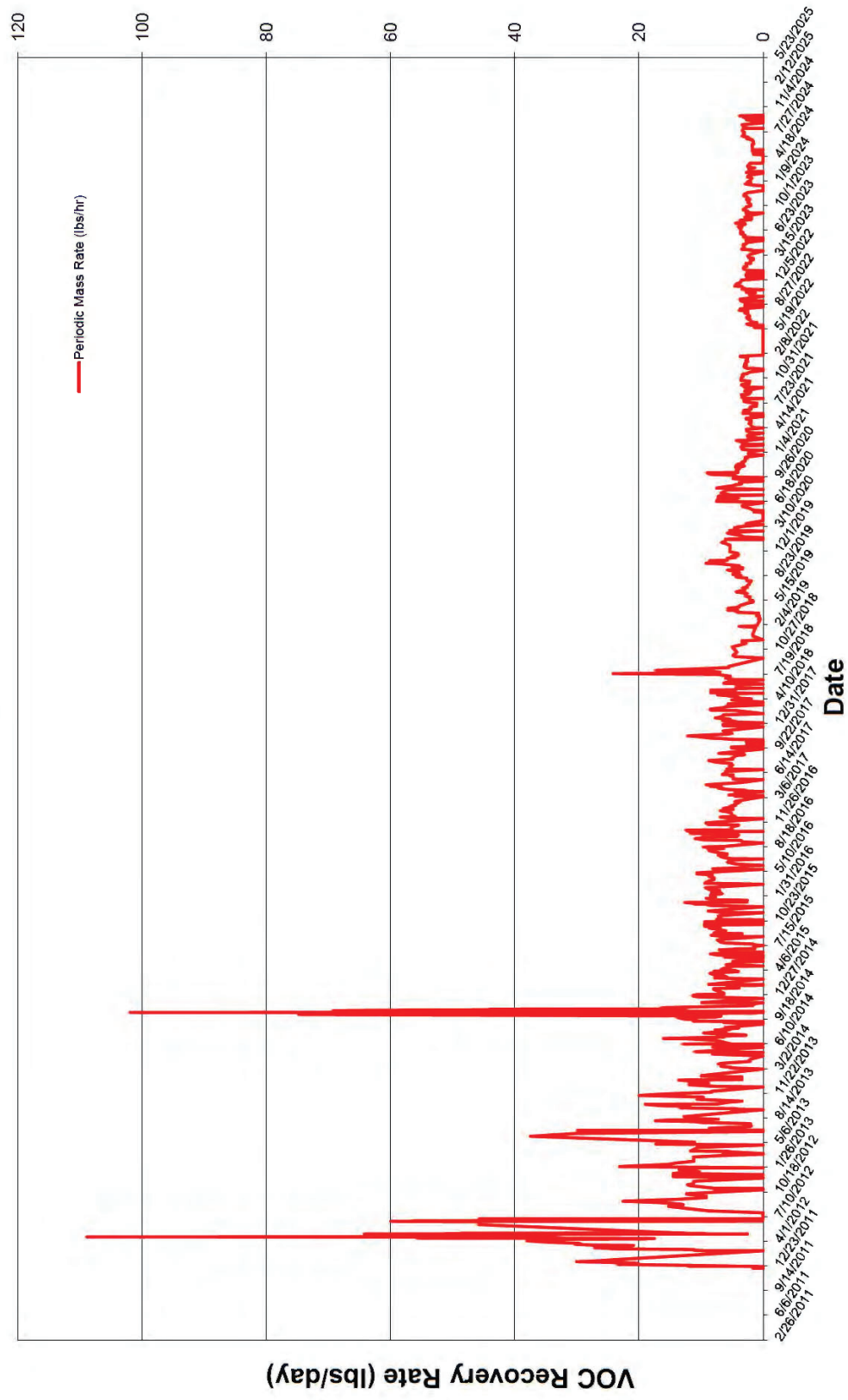
Attachment 2:

VES System and In-Situ Mass Tracking

Attachment 2: Figure 1 - VOC Cumulative Mass Recovered



Attachment 2: Figure 2 - Vapor Mass Recovery Rate



Attachment 2: Mass Recovery
Table 3
PLC Data - VES System
Former Defense Supply Center Philadelphia
First Quarter 2020 Report

Date / Time	Blower B-1				Blower B-2				Blower B-3				Blower B-4				Summary				Oxidizer Influent Vapor Flow Rate (scfm) (PLC) (FT-106)	Dilution Air Flow Rate at 2000 ft/min (scfm) (PLC) (FT-108)					
	Blower VFD	Dilution Air	Blower Speed [%] (PLC SI-B1)	Blower Vacuum (in Hg) (PI-109)	Influent Air Flow Rate at PLC (SCFM - Blower Screen) (EQIT-101)	Blower VFD	Dilution Air	Blower Speed [%] (PLC SI-B1)	Blower Vacuum (in Hg) (PI-109)	Influent Air Flow Rate at PLC (SCFM - Blower Screen) (EQIT-101)	Blower VFD	Dilution Air	Blower Speed [%] (PLC SI-B3)	Blower Vacuum (in Hg) (PI-109)	Influent Air Flow Rate at PLC (SCFM - Blower Screen) (EQIT-101)	Blower VFD	Dilution Air	Blower Speed [%] (PLC SI-B4)	Blower Vacuum (in Hg) (PI-109)	Influent Air Flow Rate at PLC (SCFM - Blower Screen) (EQIT-101)			Combined Influent Vapor Phase Recovery rate (PLC) (lbs/hr)	Thermal Oxidizer Emissions Rate (PLC) (lbs/hr)	LEL at Thermal Oxidizer % (by PLC) (AIT-201)	Thermal Oxidizer Temperature (by PLC) (FT-105)	
1/2/20 12:46					243.26											243.3	4.59	0.09	22.02	1450	335.5	439.25					
1/6/20 13:28					239.48											239.5	4.76	0.1	23.02	1450	327	441.5					
1/8/20 11:29					242.65											242.7	4.9	0.1	24.03	1449	335.5	422.25					
1/13/20 12:54					235.34											235.3	4.7	0.09	22.03	1448	331.75	461					
1/14/20 16:48					234.12											234.1	4.56	0.09	21.03	1446	324	480.75					
1/19/20 14:33					236.68											236.7	4.5	0.09	21.03	1447	326.25	469.25					
1/19/20 14:21					227.78											227.8	4.96	0.1	24.02	1447	324.25	442.25					
1/30/20 13:05					238.64											238.6	4.61	0.09	23.01	1447	329	415					
2/5/20 9:35					238.88											238.9	4.22	0.08	20.02	1446	322.25	460.75					
2/6/20 13:18					237.17											237.2	4.33	0.09	20.03	1445	319	484					
2/10/20 12:19					242.9											242.9	5.19	0.1	23.04	1447	329.5	507.5					
2/13/20 13:33					241.8											241.8	4.5	0.09	21.02	1445	327.75	468					
2/18/20 10:13					238.02											238.0	4.48	0.09	22.02	1449	317.75	437.5					
2/20/20 12:18					233.63											233.6	5.04	0.1	22.02	1446	310.5	539.25					
2/24/20 13:28					233.51											233.5	4.14	0.08	21.02	1450	319.5	412.5					
2/26/20 12:16					226.44											226.4	4.11	0.08	19.04	1446	318.5	483.5					
3/2/20 14:13					241.07											241.1	4.19	0.08	20.02	1448	331.25	447.25					
3/4/20 13:21					230.71											230.7	3.82	0.08	20.02	1449	323.25	385.75					
3/18/20 11:37																249.36	249.4	4.16	0.08	17.02	1449	322.5	585.5				
3/20/20 10:49																234.97	235.0	3.88	0.08	19.02	1447	317	440.5				
3/25/20 15:21																247.04	247.0	3.1	0.06	18.04	1446	320.25	316.25				
3/27/20 11:55																241.31	241.3	2.69	0.05	17.04	1448	344.5	242.25				
3/31/20 9:29																233.63	233.6	3.09	0.06	19.02	1449	325	278.75				

Notes:
Blank shading represents interpolated data or data from off-unit time item month air data
Airflow data listed for Q1 2020 only. From a quarterly data
available in preceding quarterly reports or upon request.

**Attachment 2: Mass Recovery
Table 2**

**Manifold Data- VES System
Former Defense Supply Center Philadelphia
First Quarter 2026 Report**

Date / Time	Zone A							Zone B							
	Landfill Gas Meter Readings						PID Influent PID Reading at Manifold Leg (ppm)	Landfill Gas Meter Readings						PID Influent PID Reading at Manifold Leg (ppm)	
	Influent Methane with Carbon Filter (%)	Influent Methane Without Carbon Filter (%)	Influent LEL (%)	Influent CO ₂ (%)	Influent O ₂ (%)	Influent H ₂ S (%)		Influent Methane with Carbon Filter (%)	Influent Methane Without Carbon Filter (%)	Influent LEL (%)	Influent CO ₂ (%)	Influent O ₂ (%)	Influent H ₂ S (%)		
1/2/26 12:46															
1/6/26 13:28															
1/8/26 11:29															
1/13/26 12:54															
1/14/26 16:48															
1/19/26 14:33															
1/28/26 14:21															
1/30/26 13:05															
2/5/26 9:35															
2/6/26 13:18															
2/10/26 12:19															
2/13/26 13:33															
2/18/26 10:13															
2/20/26 12:18	2.3	11.9	100	1.3	16.1	1	330	2.9	24.3	100	4.3	11.9	2	584	
2/24/26 13:28															
2/26/26 12:16															
3/2/26 14:13															
3/4/26 13:21	2	8.4	100	1	19	1	281	2.9	23.7	100	4	13.6	2	382	
3/18/26 11:37															
3/20/26 10:49															
3/25/26 15:21															
3/27/26 11:55															
3/31/26 9:29															

Notes:

Yellow shading represents interpolated data

100 % is used in place of the "off-scale" reading of the Landfill Gas Meter for calculation purposes

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**Attachment 2: Mass Recovery
Table 2**

**Manifold Data- VES System
Former Defense Supply Center Philadelphia
First Quarter 2026 Report**

Date / Time	Zone C						Zone D							
	Landfill Gas Meter Readings					PID	Landfill Gas Meter Readings					PID		
	Influent Methane with Carbon Filter (%)	Influent Methane Without Carbon Filter (%)	Influent LEL (%)	Influent CO ₂ (%)	Influent O ₂ (%)	Influent H ₂ S (%)	Influent PID Reading at Manifold Leg (ppm)	Influent Methane with Carbon Filter (%)	Influent Methane Without Carbon Filter (%)	Influent LEL (%)	Influent CO ₂ (%)	Influent O ₂ (%)	Influent H ₂ S (%)	Influent PID Reading at Manifold Leg (ppm)
1/2/26 12:46								0.9	5	100	2.2	18.1	1	401
1/6/26 13:28								1	5.8	100	2.4	17.1	1	372
1/8/26 11:29								0.9	5.5	100	2.3	17.2	1	333
1/13/26 12:54								0.8	5	100	2.5	16.7	1	341
1/14/26 16:48								0.8	5.1	100	2.3	16.8	1	336
1/19/26 14:33								0.8	4.6	92	2.2	17.3	1	325
1/28/26 14:21								1.2	8.5	100	2.8	15.9	1	305
1/30/26 13:05								0.9	4.5	90	2.5	17.1	0	294
2/5/26 9:35								0.7	3.4	70	2.3	17.5	0	344
2/6/26 13:18								0.8	3.9	78	2.3	16.6	0	349
2/10/26 12:19								0.9	4.3	86	2.3	17.2	1	317
2/13/26 13:33								0.7	3.8	76	2.3	17	1	313
2/18/26 10:13								0.7	3.7	74	2.1	17.2	1	327
2/20/26 12:18	2.4	25.4	100	6.1	10	4	658	0.8	3.9	78	2.2	17	1	358
2/24/26 13:28								0.8	3.8	76	2	17.3	0	309
2/26/26 12:16								0.7	3.9	78	1.9	17.3	1	311
3/2/26 14:13								0.7	3.4	68	1.9	18.1	1	314
3/4/26 13:21	1.9	19.8	100	5.5	12.3	3	580	0.6	3.4	68	2	15.7	1	329
3/18/26 11:37								0.5	2.2	44	1.2	18.6	1	234
3/20/26 10:49								0.8	5.3	100	2.9	15.3	2	389
3/25/26 15:21								0.8	4.8	96	2.7	15.9	2	371
3/27/26 11:55								0.6	4.4	88	2.7	16.4	2	308
3/31/26 9:29								0.7	3.8	76	2.6	15.9	1	378

Notes:

Yellow shading represents interpolated data.

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Attachment 2: Mass Recovery

Table 2

Manifold Data- VES System
Former Defense Supply Center Philadelphia
First Quarter 2026 Report

Date / Time	Zone E						Zone G								
	Landfill Gas Meter Readings						Landfill Gas Meter Readings						PID		
	Influent Methane with Carbon Filter (%)	Influent Methane Without Carbon Filter (%)	Influent LEL (%)	Influent CO ₂ (%)	Influent O ₂ (%)	Influent H ₂ S (%)	Influent PID Reading at Manifold Leg (ppm)	Influent Methane with Carbon Filter (%)	Influent Methane Without Carbon Filter (%)	Influent LEL (%)	Influent CO ₂ (%)	Influent O ₂ (%)		Influent H ₂ S (%)	Influent PID Reading at Manifold Leg (ppm)
1/2/26 12:46															
1/6/26 13:28															
1/8/26 11:29															
1/13/26 12:54															
1/14/26 16:48															
1/19/26 14:33															
1/28/26 14:21															
1/30/26 13:05															
2/5/26 9:35															
2/6/26 13:18															
2/10/26 12:19															
2/13/26 13:33															
2/18/26 10:13															
2/20/26 12:18	2	17.3	100	6.5	10.6	2	398	1	8.8	100	2.9	16.2	2	510	
2/24/26 13:28															
2/26/26 12:16															
3/2/26 14:13															
3/4/26 13:21	1.5	12.3	100	5.3	11.6	3	477	0.9	7.2	100	2.6	16.5	3	488	
3/18/26 11:37															
3/20/26 10:49															
3/25/26 15:21															
3/27/26 11:55															
3/31/26 9:29															

Notes:

Yellow shading represents interpolated data

100 % is used in place of the "off-scale" reading of the Landfill Gas Meter for calculation purposes

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Attachment 2: Mass Recovery

Table 2

Manifold Data- VES System
Former Defense Supply Center Philadelphia
First Quarter 2026 Report

Date / Time	Post Manifold Legs (Combined Manifold Sample Port)						PID
	Landfill Gas Meter Readings						
	Influent Methane with Carbon Filter (%)	Influent Methane Without Carbon Filter (%)	Influent LEL (%)	Influent CO ₂ (%)	Influent O ₂ (%)	Influent H ₂ S (ppm)	
1/2/26 12:46	1.5	12.2	100	3	16.8	2	417
1/6/26 13:28	1.6	12.1	100	3	16.1	2	409
1/8/26 11:29	1.5	12.3	100	3.1	15.3	2	417
1/13/26 12:54	1.3	10.9	100	3.2	15.4	1	420
1/14/26 16:48	1.3	10.1	100	2.9	15.7	2	405
1/19/26 14:33	1.2	10.2	100	2.9	16	1	407
1/28/26 14:21	1.5	12.9	100	3.2	15.2	1	354
1/30/26 13:05	1.4	10.1	100	3.1	15.6	1	382
2/5/26 9:35	1.2	7.4	100	3.3	16	1	406
2/6/26 13:18	1.4	9.9	100	3.4	13.4	1	391
2/10/26 12:19	1.4	9.6	100	3.1	15.6	1	366
2/13/26 13:33	1.2	8.5	100	3.1	15.6	1	404
2/18/26 10:13	1.3	9.5	100	3.2	15.2	1	422
2/20/26 12:18	1.4	9.4	100	3.4	15.3	1	378
2/24/26 13:28	1.2	8.5	100	2.9	15.9	1	398
2/26/26 12:16	1.2	9	100	3	15	2	412
3/2/26 14:13	1.2	8.5	100	2.8	16	2	401.1
3/4/26 13:21	1	7.1	100	2.8	14.3	2	406
3/18/26 11:37	0.8	4.4	88	1.8	17.4	1	369
3/20/26 10:49	0.9	5.9	100	2.1	16.5	2	396
3/25/26 15:21	0.7	44	88	2	16.9	2	386
3/27/26 11:55	0.6	3.9	78	2.1	17.3	1	323
3/31/26 9:29	0.7	4.5	90	2.7	15.7	1	319

Notes:

Yellow shading represents interpolated data.

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Attachment 2: Mass Recovery

Table 2

**Manifold Data- VES System
Former Defense Supply Center Philadelphia
First Quarter 2026 Report**

Date / Time	Thermal Oxidizer Influent (Post BL-200 dilution air blower)						Thermal Oxidizer Effluent (atmospheric discharge)									
	Landfill Gas Meter Readings						Landfill Gas Meter Readings									
	Methane with Carbon Filter (%)	Methane Without Carbon Filter (%)	LEL (%)	CO ₂ (%)	O ₂ (%)	H ₂ S (%)	PID	PID Reading (ppm)	Methane with Carbon Filter (%)	Methane Without Carbon Filter (%)	LEL (%)	CO ₂ (%)	O ₂ (%)	H ₂ S (%)	PID	Applied Vacuum manifold (in H ₂ O) (top of KO - PI-107)
1/2/26 12:46	0.5	1.9	38	0.8	19.6	1	235	0	0	0	0	0.4	19.8	0	0.5	30.8
1/6/26 13:28	0.4	1.7	34	0.9	17.4	0	241	0	0	0	0	0.6	17.4	0	0.7	33.4
1/8/26 11:29	0.5	2	40	1	16.6	0	275	0	0	0	0	0.7	17.2	0	0.7	33.8
1/13/26 12:54	0.4	1.9	48	1	18.5	0	246	0	0	0	0	0.4	19.5	0	0.5	34.1
1/14/26 16:48	0.4	1.8	36	0.9	18.4	0	227	0	0	0	0	0.4	18.8	0	0.5	34.9
1/19/26 14:33	0.4	1.8	36	0.9	18.9	0	221	0	0	0	0	0.3	19.4	0	0.4	34.9
1/28/26 14:21	0.5	1.9	38	1	18.7	0	187	0	0	0	0	0.5	19.6	0	0.3	34.6
1/30/26 13:05	0.4	1.5	30	0.9	17.2	0	186	0	0	0	0	0.5	17.3	0	0.4	34.7
2/5/26 9:35	0.4	1.4	28	1.1	18.7	0	208	0	0	0	0	0.5	19.5	0	0.8	38.5
2/6/26 13:18	0.4	1.5	30	1	16.5	0	209	0	0	0	0	0.5	17.4	0	0.6	41.5
2/10/26 12:19	0.5	1.7	34	0.9	18.7	0	222	0	0	0	0	0.5	19.4	0	0.6	38.2
2/13/26 13:33	0.4	1.7	34	1	18.9	0	232	0	0	0	0	0.5	19.6	0	0.6	39.8
2/18/26 10:13	0.4	1.6	32	1	18.2	0	244	0	0	0	0	0.6	18.5	0	0.7	40
2/20/26 12:18	0.4	1.5	30	1	18.6	0	242	0	0	0	0	0.7	19.1	0	0.8	41.5
2/24/26 13:28	0.4	1.5	30	0.9	18.8	0	237	0	0	0	0	0.6	19.5	0	0.7	42.5
2/26/26 12:16	0.4	1.8	36	0.9	16.5	0	230	0	0	0	0	0.5	17	0	0.6	42
3/2/26 14:13	0.4	1.3	0	0.8	16.8	0	231.1	0	0	0	0	0.5	17.3	0	0.5	40
3/4/26 13:21	0.3	1.4	26	0.9	18.9	1	241	0	0	0	0	0.6	19.2	0	0.9	40
3/18/26 11:37	0.3	1.1	22	0.6	19	0	176	0	0	0	0	0.5	19.3	0	0.7	35.6
3/20/26 10:49	0.4	1.4	28	0.8	18.4	1	244	0	0	0	0	0.6	18.7	0	0.9	40
3/25/26 15:21	0.4	1.5	30	0.8	18.4	1	242	0	0	0	0	0.6	18.6	0	0.9	38.3
3/27/26 11:55	0.2	1.2	24	0.9	18.9	1	190	0	0	0	0	0.7	19.1	0	0.9	37.7
3/31/26 9:29	0.3	1.2	24	1	18.1	1	274	0	0	0	0	0.7	18.7	0	0.9	41

Notes:

Yellow shading represents interpolated data.

100 % is used in place of the "off-scale" reading of the Landfill Gas Meter for calculation purposes

Above data provided for Q1 2026 only. Previous quarterly data available in preceding quarterly reports or upon request.

Attachment 2 - Table 3
VES System Mass Recovered
Former Defense Supply Center Philadelphia
First Quarter 2026 Report

Date / Time	System Switched On/Off This Day? Notes	Periodic Hours (Calculated)	Hours Operational (approximate)	% Uptime	VES System		Manifold (Influent) Vapor Phase Mass Recovery (pre-dilution air)				
					Applied Vacuum (inches H2O)	Combined Influent Flow (SCFM)	Combined Influent Concentration (VOC-PID) (ppmv)	Manifold Influent Concentration VOC-by TO15 ppmv	Calculated Weighted Average Density lbs/gal	Average Correction Factor (actual / PID)	Estimated Actual Concentration by PID with correction factor applied (ppmv)
1/2/26 12:46	on	36.8	36.8	100	31	243	417	1000	5.93	2.40	1000
1/6/26 13:28	on	96.7	96.7	100	33	239	409			2.40	981
1/8/26 11:29	on	46.0	46.0	100	34	243	417			2.40	1000
1/13/26 12:54	on	121.4	121.4	100	34	235	420			2.40	1007
1/14/26 16:48	on	27.9	27.9	100	35	234	405			2.40	971
1/19/26 14:33	on	117.8	117.8	100	35	237	407			2.40	976
1/23/26 3:12	off	84.7	84.7	100	35	237	407	1200	5.96	2.95	1200
1/26/26 14:38	on	83.4	0.0	0	0	0	0			2.95	0
1/28/26 14:21	on	47.7	47.7	100	35	228	354			2.95	1044
1/30/26 13:05	on	46.7	46.7	100	35	229	382			2.95	1126
1/31/26 23:59	on	34.9	34.9	100	35	229	382			2.95	1126
2/5/26 9:35	on	105.6	105.6	100	39	239	406			2.95	1197
2/6/26 13:18	on	27.7	27.7	100	42	237	391			2.95	1153
2/7/26 18:14	off	28.9	28.9	100	42	237	391			2.95	1153
2/9/26 9:56	on	39.7	0.0	0	0	0	0			2.95	0
2/10/26 12:19	on	26.4	26.4	100	38	243	366	1100	5.92	3.01	1100
2/13/26 13:33	on	73.2	73.2	100	40	242	404			3.01	1214
2/18/26 10:13	on	116.7	116.7	100	40	238	422			3.01	1268
2/20/26 12:18	on	50.1	50.1	100	42	234	378	1200	5.92	3.17	1200
2/24/26 13:28	on	97.2	97.2	100	43	234	398			3.17	1263
2/26/26 12:16	on	46.8	46.8	100	42	226	412			3.17	1308
2/28/26 23:59	on	59.7	59.7	100	42	226	0			3.17	0
3/2/26 14:13	on	38.2	38.2	100	40	241	401			3.17	1273
3/4/26 13:21	on	47.1	47.1	100	40	231	406	1300	5.95	3.20	1300
3/6/26 14:29	off	49.1	49.1	100	40	231	406			3.20	1300
3/13/26 15:10	on	168.7	0.0	0	0	0	0			3.20	0
3/18/26 11:37	on	116.4	116.4	100	36	249	369			3.20	1182
3/20/26 10:49	on	47.2	47.2	100	40	235	396			3.20	1268
3/25/26 15:21	on	124.5	124.5	100	38	247	386			3.20	1236
3/27/26 11:55	on	44.6	44.6	100	38	241	323	630	5.95	1.95	630
3/31/26 9:29	on	93.6	93.6	100	41	234	319			1.95	622
3/31/26 23:59	on	14.5	14.5	100	41	234	319			1.95	622

Notes:
 Yellow shading indicates that extrapolated or estimated data was used to determine concentration.
 TBD: Value to be determined upon receipt of laboratory analytical results.
 *Above data for Q1 2026 only. Historical data available upon request.
 Cumulative mass tracking began on 12/13/2011

Attachment 2 - Table 3
VES System Mass Recovered
Former Defense Supply Center Philadelphia
First Quarter 2026 Report

Date / Time	Manifold (Influent) Vapor Phase Mass Recovery (pre-dilution air)					Summary	
	Periodic Mass Rate (lbs/hr)	Periodic Mass Recovered (lbs)	Periodic Mass Recovery Rate (lbs/day)	Cumulative Mass Recovered (lbs)	Cumulative Vapor Phase Mass Recovered (lbs)	Cumulative Vapor Phase Mass Recovered (gallons)	
1/2/26 12:46	3.40	125.04	81.58	669125.51	669,125.51	112,581.99	
1/6/26 13:28	3.28	317.40	78.77	669442.91	669,442.91	112,635.51	
1/8/26 11:29	3.39	156.03	81.38	669598.94	669,598.94	112,661.82	
1/13/26 12:54	3.31	402.17	79.49	670001.11	670,001.11	112,729.64	
1/14/26 16:48	3.18	88.65	76.26	670089.76	670,089.76	112,744.59	
1/19/26 14:33	3.23	380.10	77.47	670469.86	670,469.86	112,808.69	
1/23/26 3:12	3.97	335.96	95.25	670805.82	670,805.82	112,865.06	System shut down due to TOX failure
1/26/26 14:38	0.00	0.00	0.00	670805.82	670,805.82	112,865.06	System restarted
1/28/26 14:21	3.32	158.52	79.73	670964.34	670,964.34	112,891.66	
1/30/26 13:05	3.60	168.17	86.36	671132.51	671,132.51	112,919.87	
1/31/26 23:59	3.60	125.59	86.36	671258.10	671,258.10	112,940.94	End of January 2026
2/5/26 9:35	4.00	421.96	95.90	671680.07	671,680.07	113,011.74	
2/6/26 13:18	3.82	105.90	91.70	671785.96	671,785.96	113,029.51	
2/7/26 18:14	3.82	110.55	91.70	671896.51	671,896.51	113,048.06	System shut down due to winter weather
2/9/26 9:56	0.00	0.00	0.00	671896.51	671,896.51	113,048.06	System restarted
2/10/26 12:19	3.73	98.51	89.61	671995.01	671,995.01	113,064.70	
2/13/26 13:33	4.10	300.45	98.46	672295.47	672,295.47	113,115.45	
2/18/26 10:13	4.22	492.16	101.24	672787.62	672,787.62	113,198.59	
2/20/26 12:18	3.92	196.21	94.02	672983.83	672,983.83	113,231.73	
2/24/26 13:28	4.12	400.60	98.95	673384.44	673,384.44	113,299.40	
2/26/26 12:16	4.14	193.69	99.33	673578.13	673,578.13	113,332.12	
2/28/26 23:59	0.00	0.00	0.00	673578.13	673,578.13	113,332.12	End of February 2026
3/2/26 14:13	4.29	164.00	102.95	673742.13	673,742.13	113,359.82	
3/4/26 13:21	4.19	197.54	100.59	673939.67	673,939.67	113,393.02	
3/6/26 14:29	4.19	205.92	100.59	674145.59	674,145.59	113,427.63	System shut down in advance of quarterly gauging event
3/13/26 15:10	0.00	0.00	0.00	674145.59	674,145.59	113,427.63	System restarted
3/18/26 11:37	4.12	479.43	98.81	674625.02	674,625.02	113,508.21	
3/20/26 10:49	4.16	196.51	99.92	674821.54	674,821.54	113,541.23	
3/25/26 15:21	4.27	531.34	102.40	675352.88	675,352.88	113,630.53	
3/27/26 11:55	2.12	94.68	50.99	675447.56	675,447.56	113,646.45	
3/31/26 9:29	2.03	190.06	48.75	675637.62	675,637.62	113,678.39	
3/31/26 23:59	2.03	29.45	48.75	675667.07	675,667.07	113,683.34	End of March 2026; End of Q1 2026

Notes:

Yellow shading indicates that extrapolated or estimated data was used to determine concentration.

TBD: Value to be determined upon receipt of laboratory analytical results.

*Above data for Q1 2026 only. Historical data available upon request.

Cumulative mass tracking began on 12/13/2011

Attachment 2 Mass Recovery
Table 4
Mass Degraded In-Situ by Bioremediation as Measured by Recovered Carbon Dioxide
Former Defense Supply Center Philadelphia
First Quarter 2026 Report

Date / Time	System Switched On/Off This Day? Notes	Periodic Hours (Calculated)	Hours Operational (approximate)	% Uptime	Manifold (Influent) Vapor Phase Mass Recovery (pre-dilution air)			Mass Degraded by In-Situ Bioremediation as Measured by Recovered CO2			
					Calculated Average Density lbs/gal	Calculated Percent Modern Carbon pMC	Cumulative Mass Recovered (lbs)	Average Combined Influent CO2 by GEM2000 (%)	Estimated CO2 Attributed to Degradation of VOCs (%)	Estimated CO2 Attributed to Degradation of VOCs (ppmv)	Periodic Mass Degradation Rate (lbs/hr)
1/2/26 12:46	on	36.8	36.8	100	5.93		669,125.51	3.0	2.4	23910	40.85
1/6/26 13:28	on	96.7	96.7	100			669,442.91	3.0	2.4	23910	40.21
1/8/26 11:29	on	46.0	46.0	100			669,598.94	3.1	2.5	24707	42.10
1/13/26 12:54	on	121.4	121.4	100			670,001.11	3.2	2.6	25504	42.15
1/14/26 16:48	on	27.9	27.9	100			670,089.76	2.9	2.3	23113	38.00
1/19/26 14:33	on	117.8	117.8	100			670,469.86	2.9	2.3	23113	38.42
1/23/26 3:12	off	84.7	84.7	100	5.96		670,805.82	2.9	2.3	23113	38.42
1/26/26 14:38	on	83.4	0.0	0			670,805.82	0.0	0.0	0	0.00
1/28/26 14:21	on	47.7	47.7	100			670,964.34	3.2	2.6	25504	40.80
1/30/26 13:05	on	46.7	46.7	100			671,132.51	3.1	2.5	24707	39.67
1/31/26 23:59	on	34.9	34.9	100			671,258.10	3.1	2.5	24707	39.67
2/5/26 9:35	on	105.6	105.6	100			671,680.07	3.3	2.6	26301	44.12
2/6/26 13:18	on	27.7	27.7	100			671,785.96	3.4	2.7	27098	45.13
2/7/26 18:14	off	28.9	28.9	100			671,896.51	3.4	2.7	27098	45.13
2/9/26 9:56	on	39.7	0.0	0			671,896.51	0.0	0.0	0	0.00
2/10/26 12:19	on	26.4	26.4	100	5.92		671,995.01	3.1	2.5	24707	42.15
2/13/26 13:33	on	73.2	73.2	100			672,295.47	3.1	2.5	24707	41.96
2/18/26 10:13	on	116.7	116.7	100			672,787.62	3.2	2.6	25504	42.63
2/20/26 12:18	on	50.1	50.1	100	5.92		672,983.83	3.4	2.7	27098	44.46
2/24/26 13:28	on	97.2	97.2	100			673,384.44	2.9	2.3	23113	37.90
2/26/26 12:16	on	46.8	46.8	100			673,578.13	3.0	2.4	23910	38.02
2/28/26 23:59	on	59.7	59.7	100			673,578.13	3.0	2.4	23910	38.02
3/2/26 14:13	on	38.2	38.2	100			673,742.13	2.8	2.2	22316	37.78
3/4/26 13:21	on	47.1	47.1	100	5.95		673,939.67	2.8	2.2	22316	36.16
3/6/26 14:29	off	49.1	49.1	100			674,145.59	2.8	2.2	22316	36.16
3/13/26 15:10	on	168.7	0.0	0			674,145.59	0.0	0.0	0	0.00
3/18/26 11:37	on	116.4	116.4	100			674,625.02	1.8	1.4	14346	25.12
3/20/26 10:49	on	47.2	47.2	100			674,821.54	2.1	1.7	16737	27.62
3/25/26 15:21	on	124.5	124.5	100			675,352.88	2.0	1.6	15940	27.65
3/27/26 11:55	on	44.6	44.6	100	5.95		675,447.56	2.1	1.7	16737	28.36
3/31/26 9:29	on	93.6	93.6	100			675,637.62	2.7	2.2	21519	35.31
3/31/26 23:59	on	14.5	14.5	100			675,667.07	2.7	2.2	21519	35.31

Notes:
Yellow shading indicates that extrapolated or estimated data was used to determine concentration.
Above data provided for Q1 2026 only. Previous quarterly data available in preceding quarterly reports or upon request.
Cumulative mass tracking began on 12/13/2011

Attachment 2 Mass Recovery
Table 4
Mass Degraded In-Situ by Bioremediation as Measured by Recovered Carbon Dioxide
Former Defense Supply Center Philadelphia
First Quarter 2026 Report

Date / Time	Mass Degraded by In-Situ Bioremediation as Measured by Recovered CO2				Summary	Recovery Well Operation Log
	Periodic Mass Degraded (as quantified by CO2) (lbs)	Periodic Mass Degradation Rate (lbs/day)	Cumulative Mass Degraded (as quantified by CO2 recovered) (lbs)	Cumulative Mass Degraded (as quantified by CO2 recovered) expressed as LNAPL (gallons)		
1/2/26 12:46	1502.51	980.34	3,631,800.27	611,932.88		
1/6/26 13:28	3888.57	965.11	3,635,688.84	612,588.63		
1/8/26 11:29	1937.45	1010.48	3,637,626.29	612,915.35		
1/13/26 12:54	5117.96	1011.65	3,642,744.26	613,778.41		
1/14/26 16:48	1060.26	912.05	3,643,804.52	613,957.21		
1/19/26 14:33	4523.70	922.03	3,648,328.22	614,720.06		
1/23/26 3:12	3252.07	922.03	3,651,580.29	615,265.71	System shut down due to TOX failure	
1/26/26 14:38	0.00	0.00	3,651,580.29	615,265.71	System restarted	
1/28/26 14:21	1946.74	979.15	3,653,527.03	615,592.34		
1/30/26 13:05	1854.02	952.13	3,655,381.05	615,903.42		
1/31/26 23:59	1384.56	952.13	3,656,765.61	616,135.73	End of January 2026	
2/5/26 9:35	4659.41	1058.96	3,661,425.02	616,917.51		
2/6/26 13:18	1250.99	1083.24	3,662,676.00	617,127.41		
2/7/26 18:14	1305.90	1083.24	3,663,981.90	617,346.52	System shut down due to winter weather	
2/9/26 9:56	0.00	0.00	3,663,981.90	617,346.52	System restarted	
2/10/26 12:19	1111.97	1011.52	3,665,093.87	617,534.35		
2/13/26 13:33	3072.56	1006.94	3,668,166.43	618,053.36		
2/18/26 10:13	4973.74	1023.17	3,673,140.17	618,893.52		
2/20/26 12:18	2226.76	1067.07	3,675,366.93	619,269.66		
2/24/26 13:28	3682.93	909.68	3,679,049.87	619,891.78		
2/26/26 12:16	1779.48	912.55	3,680,829.35	620,192.37		
2/28/26 23:59	2270.61	912.55	3,683,099.96	620,575.92	End of February 2026	
3/2/26 14:13	1444.50	906.75	3,684,544.46	620,819.92		
3/4/26 13:21	1704.22	867.78	3,686,248.68	621,106.34		
3/6/26 14:29	1776.54	867.78	3,688,025.21	621,404.92	System shut down in advance of quarterly gauging event	
3/13/26 15:10	0.00	0.00	3,688,025.21	621,404.92	System restarted	
3/18/26 11:37	2925.58	602.95	3,690,950.79	621,896.62		
3/20/26 10:49	1303.61	662.85	3,692,254.40	622,115.71		
3/25/26 15:21	3443.94	663.71	3,695,698.34	622,694.52		
3/27/26 11:55	1264.09	680.74	3,696,962.43	622,906.97		
3/31/26 9:29	3303.59	847.38	3,700,266.02	623,462.20		
3/31/26 23:59	511.96	847.38	3,700,777.98	623,548.24	End of March 2026; End of Q1 2026	

Notes:

Yellow shading indicates that extrapolated or estimated data was used to determine concentration.

Above data provided for Q1, 2026 only. Previous quarterly data available in preceding quarterly reports or upon request.

Cumulative mass tracking began on 12/13/2011.

Attachment 3:

Biovent-Biosparge Pilot Study Area

Laboratory Analytical Data Reports



ANALYTICAL REPORT

PREPARED FOR

Attn: Greg Withelder
Arcadis US Inc.
222 Delaware Avenue
Suite 1110
Wilmington, Delaware 19801

Generated 3/25/2026 12:53:41 PM

JOB DESCRIPTION

Defense Supply Center Philadelphia 2024

JOB NUMBER

410-269654-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

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Authorized for release by
[REDACTED], Project Manager II
[REDACTED]@et.eurofinsus.com

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.

- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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Definitions/Glossary

Client: Arcadis US Inc.
Project/Site: Defense Supply Center Philadelphia 2024

Job ID: 410-269654-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
D	The reported value is from a dilution.
J	Estimated: The analyte was positively identified; the quantitation is an estimation
M	Manual integrated compound.
Q	One or more quality control criteria failed.
U	Undetected at the Limit of Detection.

GC/MS VOA TICs

Qualifier	Qualifier Description
U	Undetected at the Limit of Detection.

GC VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
cn	Refer to Case Narrative for further detail
D	The reported value is from a dilution.
J1	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
M	Manual integrated compound.
U	Undetected at the Limit of Detection.

GC Semi VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
J	Estimated: The analyte was positively identified; the quantitation is an estimation
J1	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
M	Manual integrated compound.
Q	One or more quality control criteria failed.
U	Undetected at the Limit of Detection.

HPLC/IC

Qualifier	Qualifier Description
D	The reported value is from a dilution.
J	Estimated: The analyte was positively identified; the quantitation is an estimation
J1	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
U	Undetected at the Limit of Detection.

Metals

Qualifier	Qualifier Description
B	Blank contamination: The analyte was detected above one-half the reporting limit in an associated blank.
cn	Refer to Case Narrative for further detail
D	The reported value is from a dilution.
J	Estimated: The analyte was positively identified; the quantitation is an estimation
U	Undetected at the Limit of Detection.

General Chemistry

Qualifier	Qualifier Description
J	Estimated: The analyte was positively identified; the quantitation is an estimation
J1	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
U	Undetected at the Limit of Detection.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit

Definitions/Glossary

Client: Arcadis US Inc.

Job ID: 410-269654-1

Project/Site: Defense Supply Center Philadelphia 2024

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Arcadis US Inc.
Project: Defense Supply Center Philadelphia 2024

Job ID: 410-269654-1

Job ID: 410-269654-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-269654-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 3/11/2026 6:25 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 5.2°C and 8.2°C.

Receipt Exceptions

The following samples were received at the laboratory outside the required temperature criteria: PH-PH-21(03112026) (410-269654-1), PH-PH-21(03112026) (410-269654-1[DUJ]), PH-PH-21(03112026)MS (410-269654-1[MSJ]), PH-PH-21(03112026)MSD (410-269654-1[MSD]), PH-RW-A(03112026) (410-269654-2), PH-RW-A2(03112026) (410-269654-3), PH-MW-66(03112026) (410-269654-4), DUP01-(03112026) (410-269654-5), PH-PH-2(03112026) (410-269654-6) and TB01(03112026) (410-269654-7). The sample(s) is considered acceptable since it was collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun.

GC/MS VOA

Method 8260C DOD: The continuing calibration verification (CCV) associated with batch 410-785320 recovered above the upper control limit for 1,2-Dichloroethane. Non-detections of the affected analytes are reported. Any detections are considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

Method RSK-175: Certified Reference Materials (CRM) and Standard Reference Materials (SRM) are not available for Method RSK-175. Standards from an authoritative source have been used for calibration. The initial calibrations have been verified with a standard from an authoritative, independent, second source.

Method RSK-175: The calibrations for the reported analytes are not performed with CRM specifically identified as such in an accompanying Certificate of Analysis from a RMP accredited to ISO 17034 or SRM from a NMI. The laboratory uses standards from an authoritative source and verifies all initial calibrations with a standard from an authoritative, independent, second source.

Method RSK-175: The matrix spike / matrix spike duplicate (MS/MSD) recoveries were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. Samples were reanalyzed and recoveries were outside control limits for one or more analytes.

Method RSK-175: The matrix spike / matrix spike duplicate (MS/MSD) recoveries were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. Samples were reanalyzed and recoveries were outside control limits for one or more analytes.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8011: The 1,1,2,2-Tetrachloroethane surrogate recovery for the following samples was outside acceptance limits (high biased) on the confirmation column due to matrix interference: PH-RW-A2(03112026) (410-269654-3). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control.

Eurofins Lancaster Laboratories Environment Testing, LLC

Case Narrative

Client: Arcadis US Inc.
Project: Defense Supply Center Philadelphia 2024

Job ID: 410-269654-1

Job ID: 410-269654-1 (Continued)

Eurofins Lancaster Laboratories Environment

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

Method 6020B - Dissolved: The reference method requires samples to be preserved to a pH of <2. The following sample was received with insufficient preservation at a pH of 3: DUP01-(03112026) (410-269654-5). The sample(s) were preserved to the appropriate pH in the laboratory.

This does not meet regulatory requirements.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Arcadis US Inc.

Job ID: 410-269654-1

Project/Site: Defense Supply Center Philadelphia 2024

Client Sample ID: PH-PH-21(03112026)

Lab Sample ID: 410-269654-1

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.39	J	1.0	0.60	0.30	ug/L	1		8260C DOD	Total/NA
Isopropylbenzene	1.3	J	5.0	0.60	0.30	ug/L	1		8260C DOD	Total/NA
tert-Butyl alcohol	17	J	50	40	12	ug/L	1		8260C DOD	Total/NA
CO2	38000	J1 cn	12000	11000	5600	ug/L	1		RSK-175	Total/NA
Methane (1C) - DL	5400	J1 D	130	120	60	ug/L	20		RSK-175	Total/NA
Sulfate	44	D J1	7.5	5.0	2.5	mg/L	5		300.0	Total/NA
Arsenic	2.5		2.0	1.7	0.68	ug/L	1		6020B	Total Recoverable
Iron	2300		50	40	20	ug/L	1		6020B	Total Recoverable
Manganese	420		2.0	1.9	0.95	ug/L	1		6020B	Total Recoverable
Arsenic, dissolved	0.86	J	2.1	1.8	0.70	ug/L	1		6020B	Dissolved
Iron, dissolved	240		52	41	21	ug/L	1		6020B	Dissolved
Manganese, dissolved	500		2.1	2.0	0.98	ug/L	1		6020B	Dissolved

Client Sample ID: PH-RW-A(03112026)

Lab Sample ID: 410-269654-2

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	19		1.0	0.80	0.40	ug/L	1		8260C DOD	Total/NA
Toluene	16		1.0	0.60	0.30	ug/L	1		8260C DOD	Total/NA
Xylenes, Total	14		1.0	0.80	0.40	ug/L	1		8260C DOD	Total/NA
1,3,5-Trimethylbenzene	4.6	J	5.0	1.0	0.30	ug/L	1		8260C DOD	Total/NA
Benzene	210		1.0	0.60	0.30	ug/L	1		8260C DOD	Total/NA
Isopropylbenzene	10		5.0	0.60	0.30	ug/L	1		8260C DOD	Total/NA
CO2	74000		12000	11000	5600	ug/L	1		RSK-175	Total/NA
Methane (1C) - DL	7600	D	130	120	60	ug/L	20		RSK-175	Total/NA
Sulfate	22		1.5	1.0	0.50	mg/L	1		300.0	Total/NA
Arsenic	15		2.0	1.7	0.68	ug/L	1		6020B	Total Recoverable
Iron	14000		50	40	20	ug/L	1		6020B	Total Recoverable
Lead	11		0.50	0.24	0.12	ug/L	1		6020B	Total Recoverable
Manganese	440		2.0	1.9	0.95	ug/L	1		6020B	Total Recoverable
Arsenic, dissolved	4.0		2.1	1.8	0.70	ug/L	1		6020B	Dissolved
Iron, dissolved	2300		52	41	21	ug/L	1		6020B	Dissolved
Lead, dissolved	0.34	J	0.52	0.25	0.12	ug/L	1		6020B	Dissolved
Manganese, dissolved	400		2.1	2.0	0.98	ug/L	1		6020B	Dissolved
Nitrate as N	0.20		0.10	0.020	0.040	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	0.21		0.10	0.090	0.040	mg/L	1		353.2	Total/NA
Nitrite as N	0.0091	J	0.020	0.020	0.0080	mg/L	1		353.2	Total/NA
Sulfide	5.5		2.0	1.5	0.70	mg/L	1		4500 S2 F-2011	Total/NA

Client Sample ID: PH-RW-A2(03112026)

Lab Sample ID: 410-269654-3

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	74		1.0	0.80	0.40	ug/L	1		8260C DOD	Total/NA
Toluene	52		1.0	0.60	0.30	ug/L	1		8260C DOD	Total/NA
1,2,4-Trimethylbenzene	8.0		5.0	2.0	1.0	ug/L	1		8260C DOD	Total/NA
Xylenes, Total	57		1.0	0.80	0.40	ug/L	1		8260C DOD	Total/NA
1,3,5-Trimethylbenzene	17		5.0	1.0	0.30	ug/L	1		8260C DOD	Total/NA
Isopropylbenzene	15		5.0	0.60	0.30	ug/L	1		8260C DOD	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Arcadis US Inc.

Job ID: 410-269654-1

Project/Site: Defense Supply Center Philadelphia 2024

Client Sample ID: PH-RW-A2(03112026) (Continued)

Lab Sample ID: 410-269654-3

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	6.4		5.0	2.0	1.0	ug/L	1		8260C DOD	Total/NA
tert-Butyl alcohol	55		50	40	12	ug/L	1		8260C DOD	Total/NA
Benzene - DL	1500	D	10	6.0	3.0	ug/L	10		8260C DOD	Total/NA
CO2	94000		12000	11000	5600	ug/L	1		RSK-175	Total/NA
Methane (1C) - DL	12000	D	330	300	150	ug/L	50		RSK-175	Total/NA
1,2-Dibromoethane (1C)	0.016	J M	0.019	0.019	0.0095	ug/L	1		8011	Total/NA
1,2-Dibromo-3-Chloropropane (2C)	0.023	J1	0.019	0.019	0.0095	ug/L	1		8011	Total/NA
Sulfate	13		1.5	1.0	0.50	mg/L	1		300.0	Total/NA
Arsenic	12		2.0	1.7	0.68	ug/L	1		6020B	Total
Iron	9800		50	40	20	ug/L	1		6020B	Recoverable
Lead	1.8		0.50	0.24	0.12	ug/L	1		6020B	Total
Manganese	14000	D	20	19	9.5	ug/L	10		6020B	Recoverable
Arsenic, dissolved	5.6		2.1	1.8	0.70	ug/L	1		6020B	Total
Iron, dissolved	5600		52	41	21	ug/L	1		6020B	Dissolved
Manganese, dissolved	13000	D	21	20	9.8	ug/L	10		6020B	Dissolved
Nitrite as N	0.012	J	0.020	0.020	0.0080	mg/L	1		353.2	Total/NA

Client Sample ID: PH-MW-66(03112026)

Lab Sample ID: 410-269654-4

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	1.1		1.0	0.80	0.40	ug/L	1		8260C DOD	Total/NA
1,2,4-Trimethylbenzene	1.8	J	5.0	2.0	1.0	ug/L	1		8260C DOD	Total/NA
Benzene	2.9		1.0	0.60	0.30	ug/L	1		8260C DOD	Total/NA
CO2	17000		12000	11000	5600	ug/L	1		RSK-175	Total/NA
Methane (1C)	49		6.5	6.0	3.0	ug/L	1		RSK-175	Total/NA
Sulfate	0.51	J	1.5	1.0	0.50	mg/L	1		300.0	Total/NA
Arsenic	1.5	J	2.0	1.7	0.68	ug/L	1		6020B	Total
Iron	490	B	50	40	20	ug/L	1		6020B	Recoverable
Lead	0.13	J	0.50	0.24	0.12	ug/L	1		6020B	Total
Manganese	8.9		2.0	1.9	0.95	ug/L	1		6020B	Recoverable
Arsenic, dissolved	1.3	J	2.1	1.8	0.70	ug/L	1		6020B	Total
Iron, dissolved	50	J	52	41	21	ug/L	1		6020B	Dissolved
Manganese, dissolved	7.7		2.1	2.0	0.98	ug/L	1		6020B	Dissolved
Nitrate as N	0.069	J	0.10	0.020	0.040	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	0.069	J	0.10	0.090	0.040	mg/L	1		353.2	Total/NA
Sulfide	1.6	J	2.0	1.5	0.70	mg/L	1		4500 S2 F-2011	Total/NA

Client Sample ID: DUP01-(03112026)

Lab Sample ID: 410-269654-5

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	28		1.0	0.80	0.40	ug/L	1		8260C DOD	Total/NA
Toluene	27		1.0	0.60	0.30	ug/L	1		8260C DOD	Total/NA
1,2,4-Trimethylbenzene	1.1	J	5.0	2.0	1.0	ug/L	1		8260C DOD	Total/NA
Xylenes, Total	22		1.0	0.80	0.40	ug/L	1		8260C DOD	Total/NA
1,3,5-Trimethylbenzene	7.3		5.0	1.0	0.30	ug/L	1		8260C DOD	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Arcadis US Inc.

Job ID: 410-269654-1

Project/Site: Defense Supply Center Philadelphia 2024

Client Sample ID: DUP01-(03112026) (Continued)

Lab Sample ID: 410-269654-5

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Isopropylbenzene	12		5.0	0.60	0.30	ug/L	1		8260C DOD	Total/NA
tert-Butyl alcohol	24	J	50	40	12	ug/L	1		8260C DOD	Total/NA
Benzene - DL	350	D	10	6.0	3.0	ug/L	10		8260C DOD	Total/NA
CO2	75000		12000	11000	5600	ug/L	1		RSK-175	Total/NA
Methane (1C) - DL	9400	D	330	300	150	ug/L	50		RSK-175	Total/NA
Sulfate	18		1.5	1.0	0.50	mg/L	1		300.0	Total/NA
Arsenic	15		2.0	1.7	0.68	ug/L	1		6020B	Total
										Recoverable
Iron	13000		50	40	20	ug/L	1		6020B	Total
										Recoverable
Lead	9.9		0.50	0.24	0.12	ug/L	1		6020B	Total
										Recoverable
Manganese	480		2.0	1.9	0.95	ug/L	1		6020B	Total
										Recoverable
Arsenic, dissolved	5.0	cn	2.1	1.8	0.70	ug/L	1		6020B	Dissolved
Iron, dissolved	2700	cn	52	41	21	ug/L	1		6020B	Dissolved
Lead, dissolved	0.26	J cn	0.52	0.25	0.12	ug/L	1		6020B	Dissolved
Manganese, dissolved	410	cn	2.1	2.0	0.98	ug/L	1		6020B	Dissolved
Sulfide	5.7		2.0	1.5	0.70	mg/L	1		4500 S2 F-2011	Total/NA

Client Sample ID: PH-PH-2(03112026)

Lab Sample ID: 410-269654-6

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	350	D	10	8.0	4.0	ug/L	10		8260C DOD	Total/NA
Toluene	380	D	10	6.0	3.0	ug/L	10		8260C DOD	Total/NA
1,2,4-Trimethylbenzene	10	J D	50	20	10	ug/L	10		8260C DOD	Total/NA
Xylenes, Total	190	D	10	8.0	4.0	ug/L	10		8260C DOD	Total/NA
1,3,5-Trimethylbenzene	43	J D	50	10	3.0	ug/L	10		8260C DOD	Total/NA
Isopropylbenzene	43	J D	50	6.0	3.0	ug/L	10		8260C DOD	Total/NA
Naphthalene	120	D	50	20	10	ug/L	10		8260C DOD	Total/NA
Benzene - DL	8700	D	100	60	30	ug/L	100		8260C DOD	Total/NA
CO2	160000		12000	11000	5600	ug/L	1		RSK-175	Total/NA
Methane (1C) - DL	17000	D	650	600	300	ug/L	100		RSK-175	Total/NA
1,2-Dibromo-3-Chloropropane (1C)	0.024		0.019	0.019	0.0093	ug/L	1		8011	Total/NA
Arsenic	7.8		2.0	1.7	0.68	ug/L	1		6020B	Total
										Recoverable
Iron	52000	B	50	40	20	ug/L	1		6020B	Total
										Recoverable
Lead	1.1		0.50	0.24	0.12	ug/L	1		6020B	Total
										Recoverable
Manganese	270	B	2.0	1.9	0.95	ug/L	1		6020B	Total
										Recoverable
Arsenic, dissolved	6.6		2.1	1.8	0.70	ug/L	1		6020B	Dissolved
Iron, dissolved	56000		52	41	21	ug/L	1		6020B	Dissolved
Lead, dissolved	0.14	J	0.52	0.25	0.12	ug/L	1		6020B	Dissolved
Manganese, dissolved	270		2.1	2.0	0.98	ug/L	1		6020B	Dissolved

Client Sample ID: TB01(03112026)

Lab Sample ID: 410-269654-7

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Arcadis US Inc.

Job ID: 410-269654-1

Project/Site: Defense Supply Center Philadelphia 2024

Client Sample ID: PH-PH-21(03112026)

Lab Sample ID: 410-269654-1

Date Collected: 03/11/26 10:10

Matrix: Water

Date Received: 03/11/26 18:25

Method: SW846 8260C DOD - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethylbenzene	0.80	U	1.0	0.80	0.40	ug/L		03/19/26 01:50	1
1,2-Dichloroethane	0.60	U Q cn	1.0	0.60	0.30	ug/L		03/19/26 01:50	1
1,2,3-Trichloropropane	0.60	U	5.0	0.60	0.30	ug/L		03/19/26 01:50	1
Toluene	0.60	U M	1.0	0.60	0.30	ug/L		03/19/26 01:50	1
1,2,4-Trimethylbenzene	2.0	U	5.0	2.0	1.0	ug/L		03/19/26 01:50	1
Xylenes, Total	0.80	U	1.0	0.80	0.40	ug/L		03/19/26 01:50	1
1,3,5-Trimethylbenzene	1.0	U	5.0	1.0	0.30	ug/L		03/19/26 01:50	1
Methyl tertiary butyl ether	0.50	U	1.0	0.50	0.20	ug/L		03/19/26 01:50	1
Benzene	0.39	J	1.0	0.60	0.30	ug/L		03/19/26 01:50	1
Isopropylbenzene	1.3	J	5.0	0.60	0.30	ug/L		03/19/26 01:50	1
Naphthalene	2.0	U	5.0	2.0	1.0	ug/L		03/19/26 01:50	1
tert-Butyl alcohol	17	J	50	40	12	ug/L		03/19/26 01:50	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
2,2,4-Trimethyl Pentane TIC	1.0	U	ug/L			540-84-1		03/19/26 01:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		81 - 118		03/19/26 01:50	1
Dibromofluoromethane (Surr)	101		80 - 119		03/19/26 01:50	1
4-Bromofluorobenzene (Surr)	104		85 - 114		03/19/26 01:50	1
Toluene-d8 (Surr)	100		89 - 112		03/19/26 01:50	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
CO2	38000	J1 cn	12000	11000	5600	ug/L		03/12/26 22:35	1
Ethane (1C)	2.0	U M J1 cn	5.0	2.0	1.0	ug/L		03/13/26 18:49	1
Ethene (1C)	2.0	U J1 cn	5.0	2.0	1.0	ug/L		03/13/26 18:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Propene (1C)	48	cn	46 - 135	03/13/26 11:38	03/13/26 18:49	1

Method: RSK-175 - Dissolved Gases (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Methane (1C)	5400	J1 D	130	120	60	ug/L		03/16/26 21:42	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Propene (1C)	100		46 - 135	03/16/26 14:10	03/16/26 21:42	20

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,2-Dibromoethane (1C)	0.019	U	0.019	0.019	0.0093	ug/L		03/17/26 07:50	1
1,2-Dibromo-3-Chloropropane (1C)	0.019	U	0.019	0.019	0.0093	ug/L		03/17/26 07:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane (1C)	109	M	46 - 136	03/15/26 23:21	03/17/26 07:50	1
1,1,2,2-Tetrachloroethane (2C)	105		46 - 136	03/15/26 23:21	03/17/26 07:50	1

Method: SW846 8015D - Nonhalogenated Organic Compounds - Direct Injection (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethanol (1C)	630	U	1000	630	310	ug/L		03/13/26 20:08	1

Client Sample Results

Client: Arcadis US Inc.

Job ID: 410-269654-1

Project/Site: Defense Supply Center Philadelphia 2024

Client Sample ID: PH-PH-21(03112026)

Lab Sample ID: 410-269654-1

Date Collected: 03/11/26 10:10

Matrix: Water

Date Received: 03/11/26 18:25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Acetone (1C)	100		54 - 130	03/13/26 10:39	03/13/26 20:08	1
Acetone (2C)	93		54 - 130	03/13/26 10:39	03/13/26 20:08	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	44	D J1	7.5	5.0	2.5	mg/L		03/24/26 15:27	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	2.5		2.0	1.7	0.68	ug/L		03/20/26 12:50	1
Iron	2300		50	40	20	ug/L		03/20/26 12:50	1
Lead	0.24	U	0.50	0.24	0.12	ug/L		03/20/26 12:50	1
Manganese	420		2.0	1.9	0.95	ug/L		03/20/26 12:50	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic, dissolved	0.86	J	2.1	1.8	0.70	ug/L		03/13/26 18:47	1
Iron, dissolved	240		52	41	21	ug/L		03/13/26 18:47	1
Lead, dissolved	0.25	U	0.52	0.25	0.12	ug/L		03/13/26 18:47	1
Manganese, dissolved	500		2.1	2.0	0.98	ug/L		03/13/26 18:47	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	0.090	U	0.10	0.020	0.040	mg/L		03/12/26 12:32	1
Nitrate Nitrite as N (EPA 353.2)	0.090	U J1	0.10	0.090	0.040	mg/L		03/13/26 23:58	1
Nitrite as N (EPA 353.2)	0.020	U	0.020	0.020	0.0080	mg/L		03/12/26 12:32	1
Sulfide (SM 4500 S2 F-2011)	1.5	U	2.0	1.5	0.70	mg/L		03/16/26 12:53	1

Client Sample ID: PH-RW-A(03112026)

Lab Sample ID: 410-269654-2

Date Collected: 03/11/26 09:30

Matrix: Water

Date Received: 03/11/26 18:25

Method: SW846 8260C DOD - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethylbenzene	19		1.0	0.80	0.40	ug/L		03/19/26 03:19	1
1,2-Dichloroethane	0.60	U Q cn	1.0	0.60	0.30	ug/L		03/19/26 03:19	1
1,2,3-Trichloropropane	0.60	U M	5.0	0.60	0.30	ug/L		03/19/26 03:19	1
Toluene	16		1.0	0.60	0.30	ug/L		03/19/26 03:19	1
1,2,4-Trimethylbenzene	2.0	U	5.0	2.0	1.0	ug/L		03/19/26 03:19	1
Xylenes, Total	14		1.0	0.80	0.40	ug/L		03/19/26 03:19	1
1,3,5-Trimethylbenzene	4.6	J	5.0	1.0	0.30	ug/L		03/19/26 03:19	1
Methyl tertiary butyl ether	0.50	U	1.0	0.50	0.20	ug/L		03/19/26 03:19	1
Benzene	210		1.0	0.60	0.30	ug/L		03/19/26 03:19	1
Isopropylbenzene	10		5.0	0.60	0.30	ug/L		03/19/26 03:19	1
Naphthalene	2.0	U	5.0	2.0	1.0	ug/L		03/19/26 03:19	1
tert-Butyl alcohol	40	U M	50	40	12	ug/L		03/19/26 03:19	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
2,2,4-Trimethyl Pentane TIC	1.0	U	ug/L		10.08	540-84-1		03/19/26 03:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		81 - 118		03/19/26 03:19	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Defense Supply Center Philadelphia 2024

Job ID: 410-269654-1

Client Sample ID: PH-RW-A(03112026)

Lab Sample ID: 410-269654-2

Date Collected: 03/11/26 09:30

Matrix: Water

Date Received: 03/11/26 18:25

Method: SW846 8260C DOD - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	100		80 - 119		03/19/26 03:19	1
4-Bromofluorobenzene (Surr)	107		85 - 114		03/19/26 03:19	1
Toluene-d8 (Surr)	102		89 - 112		03/19/26 03:19	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
CO2	74000		12000	11000	5600	ug/L		03/12/26 23:00	1
Ethane (1C)	2.0	U	5.0	2.0	1.0	ug/L		03/13/26 19:54	1
Ethene (1C)	2.0	U	5.0	2.0	1.0	ug/L		03/13/26 19:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Propene (1C)	49		46 - 135	03/13/26 11:38	03/13/26 19:54	1

Method: RSK-175 - Dissolved Gases (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Methane (1C)	7600	D	130	120	60	ug/L		03/16/26 23:04	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Propene (1C)	95		46 - 135	03/16/26 14:10	03/16/26 23:04	20

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,2-Dibromoethane (1C)	0.019	U M	0.019	0.019	0.0094	ug/L		03/17/26 08:41	1
1,2-Dibromo-3-Chloropropane (2C)	0.019	U	0.019	0.019	0.0094	ug/L		03/17/26 08:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane (1C)	115	M	46 - 136	03/15/26 23:21	03/17/26 08:41	1
1,1,2,2-Tetrachloroethane (2C)	117		46 - 136	03/15/26 23:21	03/17/26 08:41	1

Method: SW846 8015D - Nonhalogenated Organic Compounds - Direct Injection (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethanol (1C)	630	U	1000	630	310	ug/L		03/13/26 20:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Acetone (1C)	103		54 - 130	03/13/26 10:39	03/13/26 20:55	1
Acetone (2C)	96		54 - 130	03/13/26 10:39	03/13/26 20:55	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	22		1.5	1.0	0.50	mg/L		03/22/26 22:27	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	15		2.0	1.7	0.68	ug/L		03/16/26 21:05	1
Iron	14000		50	40	20	ug/L		03/16/26 21:05	1
Lead	11		0.50	0.24	0.12	ug/L		03/16/26 21:05	1
Manganese	440		2.0	1.9	0.95	ug/L		03/16/26 21:05	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic, dissolved	4.0		2.1	1.8	0.70	ug/L		03/13/26 18:39	1
Iron, dissolved	2300		52	41	21	ug/L		03/13/26 18:39	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample ID: PH-RW-A(03112026)
Date Collected: 03/11/26 09:30
Date Received: 03/11/26 18:25
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved (Continued)									
Lead, dissolved									
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Lead, dissolved	0.34	J	0.52	0.25	0.12	ug/L		03/13/26 18:39	1
Manganese, dissolved									
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	0.20		0.10	0.020	0.040	mg/L		03/12/26 12:44	1
Nitrate Nitrite as N (EPA 353.2)	0.21		0.10	0.090	0.040	mg/L		03/14/26 00:04	1
Nitrite as N (EPA 353.2)	0.0091	J	0.020	0.020	0.0080	mg/L		03/12/26 12:44	1
Sulfide (SM 4500 S2 F-2011)	5.5		2.0	1.5	0.70	mg/L		03/16/26 12:53	1

Client Sample ID: PH-RW-A2(03112026)
Date Collected: 03/11/26 11:55
Date Received: 03/11/26 18:25
Matrix: Water

Method: SW846 8260C DOD - Volatile Organic Compounds (GC/MS)									
Tentatively Identified Compound									
Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac	
1.0	U	ug/L		10.00	540-84-1		03/19/26 04:04	1	
Ethylbenzene									
Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac	
74		1.0	0.80	0.40	ug/L		03/19/26 04:04	1	
0.60	U M Q cn	1.0	0.60	0.30	ug/L		03/19/26 04:04	1	
0.60	U M	5.0	0.60	0.30	ug/L		03/19/26 04:04	1	
1,2,3-Trichloropropane									
52		1.0	0.60	0.30	ug/L		03/19/26 04:04	1	
Toluene									
8.0		5.0	2.0	1.0	ug/L		03/19/26 04:04	1	
Xylenes, Total									
57		1.0	0.80	0.40	ug/L		03/19/26 04:04	1	
1,3,5-Trimethylbenzene									
17		5.0	1.0	0.30	ug/L		03/19/26 04:04	1	
0.50	U	1.0	0.50	0.20	ug/L		03/19/26 04:04	1	
Methyl tertiary butyl ether									
15		5.0	0.60	0.30	ug/L		03/19/26 04:04	1	
Isopropylbenzene									
6.4		5.0	2.0	1.0	ug/L		03/19/26 04:04	1	
Naphthalene									
55		50	40	12	ug/L		03/19/26 04:04	1	
tert-Butyl alcohol									
2,2,4-Trimethyl Pentane TIC									
Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac	
1.0	U	ug/L		10.00	540-84-1		03/19/26 04:04	1	

Method: SW846 8260C DOD - Volatile Organic Compounds (GC/MS) - DL									
Analyte									
Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac	
1500	D	10	6.0	3.0	ug/L		03/19/26 04:26	10	
Benzene									
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1,2-Dichloroethane-d4 (Surr)	103	M	81 - 118		03/19/26 04:26	10			
Dibromofluoromethane (Surr)	98		80 - 119		03/19/26 04:26	10			
4-Bromofluorobenzene (Surr)	106		85 - 114		03/19/26 04:26	10			
Toluene-d8 (Surr)	98		89 - 112		03/19/26 04:26	10			
Method: RSK-175 - Dissolved Gases (GC)									
Analyte									
Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac	
94000		12000	11000	5600	ug/L		03/12/26 23:08	1	
CO2									
Ethane (1C)									
2.0	U	5.0	2.0	1.0	ug/L		03/13/26 20:13	1	

Client Sample Results

Client: Arcadis US Inc.

Job ID: 410-269654-1

Project/Site: Defense Supply Center Philadelphia 2024

Client Sample ID: PH-RW-A2(03112026)

Lab Sample ID: 410-269654-3

Date Collected: 03/11/26 11:55

Matrix: Water

Date Received: 03/11/26 18:25

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethene (1C)	2.0	U	5.0	2.0	1.0	ug/L		03/13/26 20:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Propene (1C)	47	M	46 - 135				03/13/26 11:38	03/13/26 20:13	1

Method: RSK-175 - Dissolved Gases (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac	
Methane (1C)	12000	D	330	300	150	ug/L		03/16/26 23:20	50	
Surrogate	%Recovery	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Propene (1C)	100		46 - 135					03/16/26 14:10	03/16/26 23:20	50

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,2-Dibromoethane (1C)	0.016	J M	0.019	0.019	0.0095	ug/L		03/17/26 08:58	1
1,2-Dibromo-3-Chloropropane (2C)	0.023	J1	0.019	0.019	0.0095	ug/L		03/17/26 08:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane (1C)	107	M J1 cn	46 - 136				03/15/26 23:21	03/17/26 08:58	1
1,1,2,2-Tetrachloroethane (2C)	162	J1 Q cn	46 - 136				03/15/26 23:21	03/17/26 08:58	1

Method: SW846 8015D - Nonhalogenated Organic Compounds - Direct Injection (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethanol (1C)	630	U	1000	630	310	ug/L		03/13/26 21:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Acetone (1C)	98		54 - 130				03/13/26 10:39	03/13/26 21:10	1
Acetone (2C)	93		54 - 130				03/13/26 10:39	03/13/26 21:10	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	13		1.5	1.0	0.50	mg/L		03/23/26 03:42	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	12		2.0	1.7	0.68	ug/L		03/16/26 21:07	1
Iron	9800		50	40	20	ug/L		03/16/26 21:07	1
Lead	1.8		0.50	0.24	0.12	ug/L		03/16/26 21:07	1
Manganese	14000	D	20	19	9.5	ug/L		03/16/26 22:13	10

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic, dissolved	5.6		2.1	1.8	0.70	ug/L		03/13/26 18:41	1
Iron, dissolved	5600		52	41	21	ug/L		03/13/26 18:41	1
Lead, dissolved	0.25	U	0.52	0.25	0.12	ug/L		03/13/26 18:41	1
Manganese, dissolved	13000	D	21	20	9.8	ug/L		03/13/26 19:51	10

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	0.090	U	0.10	0.020	0.040	mg/L		03/12/26 12:43	1
Nitrate Nitrite as N (EPA 353.2)	0.090	U	0.10	0.090	0.040	mg/L		03/14/26 00:06	1
Nitrite as N (EPA 353.2)	0.012	J	0.020	0.020	0.0080	mg/L		03/12/26 12:43	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Arcadis US Inc.

Job ID: 410-269654-1

Project/Site: Defense Supply Center Philadelphia 2024

Client Sample ID: PH-RW-A2(03112026)

Lab Sample ID: 410-269654-3

Date Collected: 03/11/26 11:55

Matrix: Water

Date Received: 03/11/26 18:25

General Chemistry (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfide (SM 4500 S2 F-2011)	1.5	U	2.0	1.5	0.70	mg/L		03/16/26 12:53	1

Client Sample ID: PH-MW-66(03112026)

Lab Sample ID: 410-269654-4

Date Collected: 03/11/26 13:30

Matrix: Water

Date Received: 03/11/26 18:25

Method: SW846 8260C DOD - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethylbenzene	1.1		1.0	0.80	0.40	ug/L		03/19/26 02:57	1
1,2-Dichloroethane	0.60	U Q cn	1.0	0.60	0.30	ug/L		03/19/26 02:57	1
1,2,3-Trichloropropane	0.60	U	5.0	0.60	0.30	ug/L		03/19/26 02:57	1
Toluene	0.60	U	1.0	0.60	0.30	ug/L		03/19/26 02:57	1
1,2,4-Trimethylbenzene	1.8 J		5.0	2.0	1.0	ug/L		03/19/26 02:57	1
Xylenes, Total	0.80	U	1.0	0.80	0.40	ug/L		03/19/26 02:57	1
1,3,5-Trimethylbenzene	1.0	U	5.0	1.0	0.30	ug/L		03/19/26 02:57	1
Methyl tertiary butyl ether	0.50	U	1.0	0.50	0.20	ug/L		03/19/26 02:57	1
Benzene	2.9		1.0	0.60	0.30	ug/L		03/19/26 02:57	1
Isopropylbenzene	0.60	U	5.0	0.60	0.30	ug/L		03/19/26 02:57	1
Naphthalene	2.0	U	5.0	2.0	1.0	ug/L		03/19/26 02:57	1
tert-Butyl alcohol	40	U	50	40	12	ug/L		03/19/26 02:57	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
2,2,4-Trimethyl Pentane TIC	1.0	U	ug/L		9.87	540-84-1		03/19/26 02:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103	M	81 - 118		03/19/26 02:57	1
Dibromofluoromethane (Surr)	102		80 - 119		03/19/26 02:57	1
4-Bromofluorobenzene (Surr)	104		85 - 114		03/19/26 02:57	1
Toluene-d8 (Surr)	98		89 - 112		03/19/26 02:57	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
CO2	17000		12000	11000	5600	ug/L		03/12/26 23:16	1
Ethane (1C)	2.0	U	5.0	2.0	1.0	ug/L		03/13/26 20:29	1
Ethene (1C)	2.0	U	5.0	2.0	1.0	ug/L		03/13/26 20:29	1
Methane (1C)	49		6.5	6.0	3.0	ug/L		03/13/26 20:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Propene (1C)	47	M	46 - 135	03/13/26 11:38	03/13/26 20:29	1

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,2-Dibromoethane (1C)	0.019	U	0.019	0.019	0.0094	ug/L		03/17/26 11:30	1
1,2-Dibromo-3-Chloropropane (1C)	0.019	U	0.019	0.019	0.0094	ug/L		03/17/26 11:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane (1C)	90		46 - 136	03/15/26 23:31	03/17/26 11:30	1
1,1,2,2-Tetrachloroethane (2C)	81		46 - 136	03/15/26 23:31	03/17/26 11:30	1

Method: SW846 8015D - Nonhalogenated Organic Compounds - Direct Injection (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethanol (1C)	630	U	1000	630	310	ug/L		03/13/26 21:26	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Arcadis US Inc.

Job ID: 410-269654-1

Project/Site: Defense Supply Center Philadelphia 2024

Client Sample ID: PH-MW-66(03112026)

Lab Sample ID: 410-269654-4

Date Collected: 03/11/26 13:30

Matrix: Water

Date Received: 03/11/26 18:25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Acetone (1C)	109		54 - 130	03/13/26 10:39	03/13/26 21:26	1
Acetone (2C)	95		54 - 130	03/13/26 10:39	03/13/26 21:26	1

Method: EPA 300.0 - Anions, Ion Chromatography									
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	0.51	J	1.5	1.0	0.50	mg/L		03/22/26 23:12	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable									
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	1.5	J	2.0	1.7	0.68	ug/L		03/13/26 18:59	1
Iron	490	B	50	40	20	ug/L		03/13/26 18:59	1
Lead	0.13	J	0.50	0.24	0.12	ug/L		03/13/26 18:59	1
Manganese	8.9		2.0	1.9	0.95	ug/L		03/16/26 20:24	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved									
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic, dissolved	1.3	J	2.1	1.8	0.70	ug/L		03/13/26 18:45	1
Iron, dissolved	50	J	52	41	21	ug/L		03/13/26 18:45	1
Lead, dissolved	0.25	U	0.52	0.25	0.12	ug/L		03/13/26 18:45	1
Manganese, dissolved	7.7		2.1	2.0	0.98	ug/L		03/13/26 18:45	1

General Chemistry									
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	0.069	J	0.10	0.020	0.040	mg/L		03/12/26 12:48	1
Nitrate Nitrite as N (EPA 353.2)	0.069	J	0.10	0.090	0.040	mg/L		03/14/26 00:08	1
Nitrite as N (EPA 353.2)	0.020	U	0.020	0.020	0.0080	mg/L		03/12/26 12:48	1
Sulfide (SM 4500 S2 F-2011)	1.6	J	2.0	1.5	0.70	mg/L		03/16/26 12:53	1

Client Sample ID: DUP01-(03112026)

Lab Sample ID: 410-269654-5

Date Collected: 03/11/26 00:00

Matrix: Water

Date Received: 03/11/26 18:25

Method: SW846 8260C DOD - Volatile Organic Compounds (GC/MS)									
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethylbenzene	28		1.0	0.80	0.40	ug/L		03/19/26 04:48	1
1,2-Dichloroethane	0.60	U M Q cn	1.0	0.60	0.30	ug/L		03/19/26 04:48	1
1,2,3-Trichloropropane	0.60	U M	5.0	0.60	0.30	ug/L		03/19/26 04:48	1
Toluene	27		1.0	0.60	0.30	ug/L		03/19/26 04:48	1
1,2,4-Trimethylbenzene	1.1	J	5.0	2.0	1.0	ug/L		03/19/26 04:48	1
Xylenes, Total	22		1.0	0.80	0.40	ug/L		03/19/26 04:48	1
1,3,5-Trimethylbenzene	7.3		5.0	1.0	0.30	ug/L		03/19/26 04:48	1
Methyl tertiary butyl ether	0.50	U	1.0	0.50	0.20	ug/L		03/19/26 04:48	1
Isopropylbenzene	12		5.0	0.60	0.30	ug/L		03/19/26 04:48	1
Naphthalene	2.0	U	5.0	2.0	1.0	ug/L		03/19/26 04:48	1
tert-Butyl alcohol	24	J	50	40	12	ug/L		03/19/26 04:48	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
2,2,4-Trimethyl Pentane TIC	1.0	U	ug/L		10.07	540-84-1		03/19/26 04:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		81 - 118		03/19/26 04:48	1
Dibromofluoromethane (Surr)	100		80 - 119		03/19/26 04:48	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Defense Supply Center Philadelphia 2024

Job ID: 410-269654-1

Client Sample ID: DUP01-(03112026)

Lab Sample ID: 410-269654-5

Date Collected: 03/11/26 00:00

Matrix: Water

Date Received: 03/11/26 18:25

Method: SW846 8260C DOD - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		85 - 114		03/19/26 04:48	1
Toluene-d8 (Surr)	101		89 - 112		03/19/26 04:48	1

Method: SW846 8260C DOD - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	350	D	10	6.0	3.0	ug/L		03/19/26 05:11	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		81 - 118		03/19/26 05:11	10
Dibromofluoromethane (Surr)	104		80 - 119		03/19/26 05:11	10
4-Bromofluorobenzene (Surr)	103		85 - 114		03/19/26 05:11	10
Toluene-d8 (Surr)	97		89 - 112		03/19/26 05:11	10

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
CO2	75000		12000	11000	5600	ug/L		03/12/26 23:24	1
Ethane (1C)	2.0	U	5.0	2.0	1.0	ug/L		03/13/26 20:46	1
Ethene (1C)	2.0	U	5.0	2.0	1.0	ug/L		03/13/26 20:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Propene (1C)	49	M	46 - 135	03/13/26 11:38	03/13/26 20:46	1

Method: RSK-175 - Dissolved Gases (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Methane (1C)	9400	D	330	300	150	ug/L		03/16/26 23:36	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Propene (1C)	95		46 - 135	03/16/26 14:10	03/16/26 23:36	50

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,2-Dibromoethane (1C)	0.019	U M	0.019	0.019	0.0094	ug/L		03/17/26 11:47	1
1,2-Dibromo-3-Chloropropane (2C)	0.019	U M	0.019	0.019	0.0094	ug/L		03/17/26 11:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane (1C)	108	M	46 - 136	03/15/26 23:31	03/17/26 11:47	1
1,1,2,2-Tetrachloroethane (2C)	101	M	46 - 136	03/15/26 23:31	03/17/26 11:47	1

Method: SW846 8015D - Nonhalogenated Organic Compounds - Direct Injection (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethanol (1C)	630	U	1000	630	310	ug/L		03/13/26 21:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Acetone (1C)	91		54 - 130	03/13/26 10:39	03/13/26 21:41	1
Acetone (2C)	87		54 - 130	03/13/26 10:39	03/13/26 21:41	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	18		1.5	1.0	0.50	mg/L		03/23/26 02:57	1

Client Sample Results

Client: Arcadis US Inc.

Job ID: 410-269654-1

Project/Site: Defense Supply Center Philadelphia 2024

Client Sample ID: DUP01-(03112026)

Lab Sample ID: 410-269654-5

Date Collected: 03/11/26 00:00

Matrix: Water

Date Received: 03/11/26 18:25

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	15		2.0	1.7	0.68	ug/L		03/16/26 21:10	1
Iron	13000		50	40	20	ug/L		03/16/26 21:10	1
Lead	9.9		0.50	0.24	0.12	ug/L		03/16/26 21:10	1
Manganese	480		2.0	1.9	0.95	ug/L		03/16/26 21:10	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic, dissolved	5.0	cn	2.1	1.8	0.70	ug/L		03/22/26 17:49	1
Iron, dissolved	2700	cn	52	41	21	ug/L		03/22/26 17:49	1
Lead, dissolved	0.26	J cn	0.52	0.25	0.12	ug/L		03/22/26 17:49	1
Manganese, dissolved	410	cn	2.1	2.0	0.98	ug/L		03/22/26 17:49	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	0.090	U	0.10	0.020	0.040	mg/L		03/12/26 12:39	1
Nitrate Nitrite as N (EPA 353.2)	0.090	U	0.10	0.090	0.040	mg/L		03/14/26 00:10	1
Nitrite as N (EPA 353.2)	0.020	U	0.020	0.020	0.0080	mg/L		03/12/26 12:39	1
Sulfide (SM 4500 S2 F-2011)	5.7		2.0	1.5	0.70	mg/L		03/16/26 12:53	1

Client Sample ID: PH-PH-2(03112026)

Lab Sample ID: 410-269654-6

Date Collected: 03/11/26 13:45

Matrix: Water

Date Received: 03/11/26 18:25

Method: SW846 8260C DOD - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethylbenzene	350	D	10	8.0	4.0	ug/L		03/19/26 05:33	10
1,2-Dichloroethane	6.0	U M Q cn	10	6.0	3.0	ug/L		03/19/26 05:33	10
1,2,3-Trichloropropane	6.0	U	50	6.0	3.0	ug/L		03/19/26 05:33	10
Toluene	380	D	10	6.0	3.0	ug/L		03/19/26 05:33	10
1,2,4-Trimethylbenzene	10	J D	50	20	10	ug/L		03/19/26 05:33	10
Xylenes, Total	190	D	10	8.0	4.0	ug/L		03/19/26 05:33	10
1,3,5-Trimethylbenzene	43	J D	50	10	3.0	ug/L		03/19/26 05:33	10
Methyl tertiary butyl ether	5.0	U	10	5.0	2.0	ug/L		03/19/26 05:33	10
Isopropylbenzene	43	J D	50	6.0	3.0	ug/L		03/19/26 05:33	10
Naphthalene	120	D	50	20	10	ug/L		03/19/26 05:33	10
tert-Butyl alcohol	400	U M	500	400	120	ug/L		03/19/26 05:33	10

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
2,2,4-Trimethyl Pentane TIC	10	U	ug/L		10.01	540-84-1		03/19/26 05:33	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		81 - 118		03/19/26 05:33	10
Dibromofluoromethane (Surr)	100		80 - 119		03/19/26 05:33	10
4-Bromofluorobenzene (Surr)	103		85 - 114		03/19/26 05:33	10
Toluene-d8 (Surr)	98		89 - 112		03/19/26 05:33	10

Method: SW846 8260C DOD - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	8700	D	100	60	30	ug/L		03/19/26 05:55	100

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Defense Supply Center Philadelphia 2024

Job ID: 410-269654-1

Client Sample ID: PH-PH-2(03112026)

Lab Sample ID: 410-269654-6

Date Collected: 03/11/26 13:45

Matrix: Water

Date Received: 03/11/26 18:25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		81 - 118		03/19/26 05:55	100
Dibromofluoromethane (Surr)	104		80 - 119		03/19/26 05:55	100
4-Bromofluorobenzene (Surr)	103		85 - 114		03/19/26 05:55	100
Toluene-d8 (Surr)	96		89 - 112		03/19/26 05:55	100

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
CO2	160000		12000	11000	5600	ug/L		03/12/26 23:33	1
Ethane (1C)	2.0	U M	5.0	2.0	1.0	ug/L		03/17/26 00:14	1
Ethene (1C)	2.0	U	5.0	2.0	1.0	ug/L		03/17/26 00:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Propene (1C)	49		46 - 135	03/16/26 14:10	03/17/26 00:14	1

Method: RSK-175 - Dissolved Gases (GC) - DL

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Methane (1C)	17000	D	650	600	300	ug/L		03/17/26 00:30	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Propene (1C)	93		46 - 135	03/16/26 14:10	03/17/26 00:30	100

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,2-Dibromoethane (1C)	0.019	U	0.019	0.019	0.0093	ug/L		03/17/26 12:03	1
1,2-Dibromo-3-Chloropropane (1C)	0.024		0.019	0.019	0.0093	ug/L		03/17/26 12:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane (1C)	111	M	46 - 136	03/15/26 23:31	03/17/26 12:03	1
1,1,2,2-Tetrachloroethane (2C)	92	M	46 - 136	03/15/26 23:31	03/17/26 12:03	1

Method: SW846 8015D - Nonhalogenated Organic Compounds - Direct Injection (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethanol (1C)	630	U	1000	630	310	ug/L		03/13/26 22:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Acetone (1C)	110		54 - 130	03/13/26 10:39	03/13/26 22:12	1
Acetone (2C)	99		54 - 130	03/13/26 10:39	03/13/26 22:12	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	1.0	U	1.5	1.0	0.50	mg/L		03/23/26 02:35	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	7.8		2.0	1.7	0.68	ug/L		03/13/26 18:57	1
Iron	52000	B	50	40	20	ug/L		03/13/26 18:57	1
Lead	1.1		0.50	0.24	0.12	ug/L		03/13/26 18:57	1
Manganese	270	B	2.0	1.9	0.95	ug/L		03/13/26 18:57	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic, dissolved	6.6		2.1	1.8	0.70	ug/L		03/13/26 18:43	1
Iron, dissolved	56000		52	41	21	ug/L		03/13/26 18:43	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Job ID: 410-269654-1

Client: Arcadis US Inc.
Project/Site: Defense Supply Center Philadelphia 2024

Client Sample ID: PH-PH-2(03112026)
Date Collected: 03/11/26 13:45
Date Received: 03/11/26 18:25
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved (Continued)									
Lead, dissolved									
Manganese, dissolved									
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	0.090	U	0.10	0.020	0.040	mg/L		03/12/26 12:42	1
Nitrate Nitrite as N (EPA 353.2)	0.090	U	0.10	0.090	0.040	mg/L		03/14/26 00:16	1
Nitrite as N (EPA 353.2)	0.020	U	0.020	0.020	0.0080	mg/L		03/12/26 12:42	1
Sulfide (SM 4500 S2 F-2011)	1.5	U	2.0	1.5	0.70	mg/L		03/16/26 12:53	1
General Chemistry									
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Lead, dissolved	0.14	J	0.52	0.25	0.12	ug/L		03/13/26 18:43	1
Manganese, dissolved	270		2.1	2.0	0.98	ug/L		03/13/26 18:43	1
Lab Sample ID: 410-269654-7									
Date Collected: 03/11/26 14:45									
Date Received: 03/11/26 18:25									
Matrix: Water									

Method: SW846 8260C DOD - Volatile Organic Compounds (GC/MS)									
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethylbenzene	0.80	U	1.0	0.80	0.40	ug/L		03/18/26 22:51	1
1,2-Dichloroethane	0.60	U Q cn	1.0	0.60	0.30	ug/L		03/18/26 22:51	1
1,2,3-Trichloropropane	0.60	U	5.0	0.60	0.30	ug/L		03/18/26 22:51	1
Toluene	0.60	U	1.0	0.60	0.30	ug/L		03/18/26 22:51	1
1,2,4-Trimethylbenzene	2.0	U	5.0	2.0	1.0	ug/L		03/18/26 22:51	1
Xylenes, Total	0.80	U	1.0	0.80	0.40	ug/L		03/18/26 22:51	1
1,3,5-Trimethylbenzene	1.0	U	5.0	1.0	0.30	ug/L		03/18/26 22:51	1
Methyl tertiary butyl ether	0.50	U	1.0	0.50	0.20	ug/L		03/18/26 22:51	1
Benzene	0.60	U	1.0	0.60	0.30	ug/L		03/18/26 22:51	1
Isopropylbenzene	0.60	U	5.0	0.60	0.30	ug/L		03/18/26 22:51	1
Naphthalene	2.0	U	5.0	2.0	1.0	ug/L		03/18/26 22:51	1
tert-Butyl alcohol	40	U	50	40	12	ug/L		03/18/26 22:51	1
Tentatively Identified Compound									
Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac	
1.0	U	ug/L		9.89	540-84-1		03/18/26 22:51	1	
Surrogate									
%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
104		81 - 118		03/18/26 22:51	1				
102		80 - 119		03/18/26 22:51	1				
103		85 - 114		03/18/26 22:51	1				
97		89 - 112		03/18/26 22:51	1				
1,2-Dichloroethane-d4 (Surr)									
Dibromofluoromethane (Surr)									
4-Bromofluorobenzene (Surr)									
Toluene-d8 (Surr)									

Surrogate Summary

Client: Arcadis US Inc.

Job ID: 410-269654-1

Project/Site: Defense Supply Center Philadelphia 2024

Method: 8260C DOD - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (81-118)	DBFM (80-119)	BFB (85-114)	TOL (89-112)
410-269654-1	PH-PH-21(03112026)	101	101	104	100
410-269654-1 MS	PH-PH-21(03112026)MS	103	101	103	100
410-269654-1 MSD	PH-PH-21(03112026)MSD	106	101	105	99
410-269654-2	PH-RW-A(03112026)	102	100	107	102
410-269654-3	PH-RW-A2(03112026)	103	98	107	102
410-269654-3 - DL	PH-RW-A2(03112026)	103 M	104	106	98
410-269654-4	PH-MW-66(03112026)	103 M	102	104	98
410-269654-5	DUP01-(03112026)	103	100	105	101
410-269654-5 - DL	DUP01-(03112026)	105	104	103	97
410-269654-6	PH-PH-2(03112026)	103	100	103	98
410-269654-6 - DL	PH-PH-2(03112026)	102	104	103	96
410-269654-7	TB01(03112026)	104	102	103	97
LCS 410-785320/4	Lab Control Sample	104	101	104	98
MB 410-785320/6	Method Blank	103	103	103	99
Surrogate Legend					
DCA = 1,2-Dichloroethane-d4 (Surr)					
DBFM = Dibromofluoromethane (Surr)					
BFB = 4-Bromofluorobenzene (Surr)					
TOL = Toluene-d8 (Surr)					

Method: RSK-175 - Dissolved Gases (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		Propene1 (46-135)	
410-269654-1	PH-PH-21(03112026)	48 cn	
410-269654-1 - DL	PH-PH-21(03112026)	100	
410-269654-1 MS	PH-PH-21(03112026)MS	48	
410-269654-1 MS - DL	PH-PH-21(03112026)MS	95	
410-269654-1 MSD	PH-PH-21(03112026)MSD	47	
410-269654-1 MSD - DL	PH-PH-21(03112026)MSD	96	
410-269654-2	PH-RW-A(03112026)	49	
410-269654-2 - DL	PH-RW-A(03112026)	95	
410-269654-3	PH-RW-A2(03112026)	47 M	
410-269654-3 - DL	PH-RW-A2(03112026)	100	
410-269654-4	PH-MW-66(03112026)	47 M	
410-269654-5	DUP01-(03112026)	49 M	
410-269654-5 - DL	DUP01-(03112026)	95	
410-269654-6	PH-PH-2(03112026)	49	
410-269654-6 - DL	PH-PH-2(03112026)	93	
LCS 410-782526/2-A	Lab Control Sample	98	
LCS 410-783533/2-A	Lab Control Sample	97	
MB 410-782526/1-A	Method Blank	96	
MB 410-783533/1-A	Method Blank	100	
Surrogate Legend			
Propene = Propene			

Surrogate Summary

Client: Arcadis US Inc.

Job ID: 410-269654-1

Project/Site: Defense Supply Center Philadelphia 2024

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1122TCA1 (46-136)	1122TCA2 (46-136)
410-269654-1	PH-PH-21(03112026)	109 M	105
410-269654-1 MS	PH-PH-21(03112026)MS	104	110
410-269654-1 MSD	PH-PH-21(03112026)MSD	107	101
410-269654-2	PH-RW-A(03112026)	115 M	117
410-269654-3	PH-RW-A2(03112026)	107 M J1 cn	162 J1 Q cn
410 269654 4	PH MW 66(03112026)	90	81
410-269654-5	DUP01-(03112026)	108 M	101 M
410-269654-6	PH-PH-2(03112026)	111 M	92 M
LCS 410-783146/2-A	Lab Control Sample	103	97
LCS 410-783147/2-A	Lab Control Sample	99	90 M
LCSD 410-783146/3-A	Lab Control Sample Dup	106	99
LCSD 410-783147/3-A	Lab Control Sample Dup	102	93 M
MB 410-783146/1-A	Method Blank	109	103
MB 410-783147/1-A	Method Blank	99	90
Surrogate Legend			
1122TCA = 1,1,2,2-Tetrachloroethane			

Method: 8015D - Nonhalogenated Organic Compounds - Direct Injection (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Acetone1 (54-130)	Acetone2 (54-130)
410-269654-1	PH-PH-21(03112026)	100	93
410-269654-1 MS	PH-PH-21(03112026)MS	127	85
410-269654-1 MSD	PH-PH-21(03112026)MSD	105	94
410-269654-2	PH-RW-A(03112026)	103	96
410-269654-3	PH-RW-A2(03112026)	98	93
410-269654-4	PH-MW-66(03112026)	109	95
410-269654-5	DUP01-(03112026)	91	87
410-269654-6	PH-PH-2(03112026)	110	99
LCS 410-782492/2-A	Lab Control Sample	97	88
MB 410-782492/1-A	Method Blank	104	96
Surrogate Legend			
Acetone = Acetone			

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Defense Supply Center Philadelphia 2024

Job ID: 410-269654-1

Method: 8260C DOD - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-785320/6

Matrix: Water

Analysis Batch: 785320

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
	Result	Qualifier							
Ethylbenzene	0.80	U	1.0	0.80	0.40	ug/L		03/18/26 22:29	1
1,2-Dichloroethane	0.60	U	1.0	0.60	0.30	ug/L		03/18/26 22:29	1
1,2,3-Trichloropropane	0.60	U	5.0	0.60	0.30	ug/L		03/18/26 22:29	1
Toluene	0.60	U	1.0	0.60	0.30	ug/L		03/18/26 22:29	1
1,2,4-Trimethylbenzene	2.0	U	5.0	2.0	1.0	ug/L		03/18/26 22:29	1
Xylenes, Total	0.80	U	1.0	0.80	0.40	ug/L		03/18/26 22:29	1
1,3,5-Trimethylbenzene	1.0	U	5.0	1.0	0.30	ug/L		03/18/26 22:29	1
Methyl tertiary butyl ether	0.50	U	1.0	0.50	0.20	ug/L		03/18/26 22:29	1
Benzene	0.60	U	1.0	0.60	0.30	ug/L		03/18/26 22:29	1
Isopropylbenzene	0.60	U	5.0	0.60	0.30	ug/L		03/18/26 22:29	1
Naphthalene	2.0	U	5.0	2.0	1.0	ug/L		03/18/26 22:29	1
tert-Butyl alcohol	40	U	50	40	12	ug/L		03/18/26 22:29	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	103		81 - 118		03/18/26 22:29	1
Dibromofluoromethane (Surr)	103		80 - 119		03/18/26 22:29	1
4-Bromofluorobenzene (Surr)	103		85 - 114		03/18/26 22:29	1
Toluene-d8 (Surr)	99		89 - 112		03/18/26 22:29	1

Lab Sample ID: LCS 410-785320/4

Matrix: Water

Analysis Batch: 785320

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Ethylbenzene	20.0	20.1		ug/L		100	79 - 121
1,2-Dichloroethane	20.0	23.5		ug/L		118	73 - 128
1,2,3-Trichloropropane	20.0	18.8		ug/L		94	73 - 122
Toluene	20.0	19.3		ug/L		96	80 - 121
1,2,4-Trimethylbenzene	20.0	18.2		ug/L		91	76 - 124
Xylenes, Total	60.0	57.7		ug/L		96	79 - 121
1,3,5-Trimethylbenzene	20.0	18.5		ug/L		92	75 - 124
Methyl tertiary butyl ether	20.0	19.7	M	ug/L		98	71 - 124
Benzene	20.0	20.7		ug/L		104	79 - 120
Isopropylbenzene	20.0	19.6		ug/L		98	72 - 131
Naphthalene	20.0	17.1		ug/L		85	61 - 128
tert-Butyl alcohol	200	204	M	ug/L		102	68 - 129

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	104		81 - 118
Dibromofluoromethane (Surr)	101		80 - 119
4-Bromofluorobenzene (Surr)	104		85 - 114
Toluene-d8 (Surr)	98		89 - 112

QC Sample Results

Client: Arcadis US Inc.

Job ID: 410-269654-1

Project/Site: Defense Supply Center Philadelphia 2024

Method: 8260C DOD - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 410-269654-1 MS

Matrix: Water

Analysis Batch: 785320

Client Sample ID: PH-PH-21(03112026)MS

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.80	U	20.0	20.4		ug/L		102	79 - 121
1,2-Dichloroethane	0.60	U Q cn	20.0	22.4		ug/L		112	73 - 128
1,2,3-Trichloropropane	0.60	U	20.0	19.0		ug/L		95	73 - 122
Toluene	0.60	U M	20.0	19.4		ug/L		97	80 - 121
1,2,4-Trimethylbenzene	2.0	U	20.0	18.8		ug/L		94	76 - 124
Xylenes, Total	0.80	U	60.0	58.0		ug/L		97	79 - 121
1,3,5-Trimethylbenzene	1.0	U	20.0	19.5		ug/L		97	75 - 124
Methyl tertiary butyl ether	0.50	U	20.0	17.9	M	ug/L		90	71 - 124
Benzene	0.39	J	20.0	21.4		ug/L		105	79 - 120
Isopropylbenzene	1.3	J	20.0	21.4		ug/L		101	72 - 131
Naphthalene	2.0	U	20.0	16.6		ug/L		83	61 - 128
tert-Butyl alcohol	17	J	200	227		ug/L		105	68 - 129

Surrogate	MS %Recovery	MS Qualifier	MS Limits
1,2-Dichloroethane-d4 (Surr)	103		81 - 118
Dibromofluoromethane (Surr)	101		80 - 119
4-Bromofluorobenzene (Surr)	103		85 - 114
Toluene-d8 (Surr)	100		89 - 112

Lab Sample ID: 410-269654-1 MSD

Matrix: Water

Analysis Batch: 785320

Client Sample ID: PH-PH-21(03112026)MSD

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene	0.80	U	20.0	20.5		ug/L		102	79 - 121	0	30
1,2-Dichloroethane	0.60	U Q cn	20.0	23.0		ug/L		115	73 - 128	3	30
1,2,3-Trichloropropane	0.60	U	20.0	18.4		ug/L		92	73 - 122	3	30
Toluene	0.60	U M	20.0	19.3		ug/L		96	80 - 121	1	30
1,2,4-Trimethylbenzene	2.0	U	20.0	18.2		ug/L		91	76 - 124	3	30
Xylenes, Total	0.80	U	60.0	58.2		ug/L		97	79 - 121	0	30
1,3,5-Trimethylbenzene	1.0	U	20.0	18.6		ug/L		93	75 - 124	4	30
Methyl tertiary butyl ether	0.50	U	20.0	18.1		ug/L		91	71 - 124	1	30
Benzene	0.39	J	20.0	20.9		ug/L		103	79 - 120	2	30
Isopropylbenzene	1.3	J	20.0	20.8		ug/L		98	72 - 131	3	30
Naphthalene	2.0	U	20.0	16.1		ug/L		80	61 - 128	3	30
tert-Butyl alcohol	17	J	200	221		ug/L		102	68 - 129	3	30

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
1,2-Dichloroethane-d4 (Surr)	106		81 - 118
Dibromofluoromethane (Surr)	101		80 - 119
4-Bromofluorobenzene (Surr)	105		85 - 114
Toluene-d8 (Surr)	99		89 - 112

QC Sample Results

Client: Arcadis US Inc.

Job ID: 410-269654-1

Project/Site: Defense Supply Center Philadelphia 2024

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 410-781967/1-A

Matrix: Water

Analysis Batch: 781718

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 781967

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
CO2	11000	U M	12000	11000	5600	ug/L		03/12/26 21:05	1

Lab Sample ID: LCS 410-781967/2-A

Matrix: Water

Analysis Batch: 781718

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 781967

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
CO2	35800	38800		ug/L		108	83 - 125

Lab Sample ID: 410-269654-1 MS

Matrix: Water

Analysis Batch: 781718

Client Sample ID: PH-PH-21(03112026)MS

Prep Type: Total/NA

Prep Batch: 781967

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
CO2	38000	J1 cn	35800	59400	J1	ug/L		59	83 - 125

Lab Sample ID: 410-269654-1 MSD

Matrix: Water

Analysis Batch: 781718

Client Sample ID: PH-PH-21(03112026)MSD

Prep Type: Total/NA

Prep Batch: 781967

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
CO2	38000	J1 cn	35800	59600	J1	ug/L		59	83 - 125	0	30

Lab Sample ID: MB 410-782526/1-A

Matrix: Water

Analysis Batch: 782422

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 782526

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane (1C)	2.0	U	5.0	2.0	1.0	ug/L		03/13/26 16:39	1
Ethene (1C)	2.0	U	5.0	2.0	1.0	ug/L		03/13/26 16:39	1
Methane (1C)	6.0	U M	6.5	6.0	3.0	ug/L		03/13/26 16:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Propene (1C)	96		46 - 135	03/13/26 11:38	03/13/26 16:39	1

Lab Sample ID: LCS 410-782526/2-A

Matrix: Water

Analysis Batch: 782422

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 782526

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethane (1C)	61.8	61.5		ug/L		100	74 - 131
Ethene (1C)	58.4	57.2		ug/L		98	72 - 133
Methane (1C)	60.7	61.1		ug/L		101	73 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Propene (1C)	98		46 - 135

QC Sample Results

Client: Arcadis US Inc.

Job ID: 410-269654-1

Project/Site: Defense Supply Center Philadelphia 2024

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: 410-269654-1 MS

Matrix: Water

Analysis Batch: 782422

Client Sample ID: PH-PH-21(03112026)MS

Prep Type: Total/NA

Prep Batch: 782526

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethane (1C)	2.0	U M J1 cn	61.8	28.1	J1	ug/L		45	74 - 131
Ethene (1C)	2.0	U J1 cn	58.4	28.4	J1	ug/L		49	72 - 133
MS MS									
Surrogate	%Recovery	Qualifier	Limits						
Propene (1C)	48		46 - 135						

Lab Sample ID: 410-269654-1 MSD

Matrix: Water

Analysis Batch: 782422

Client Sample ID: PH-PH-21(03112026)MSD

Prep Type: Total/NA

Prep Batch: 782526

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethane (1C)	2.0	U M J1 cn	61.8	35.9	J1	ug/L		58	74 - 131	25	20
Ethene (1C)	2.0	U J1 cn	58.4	36.3	J1	ug/L		62	72 - 133	24	20
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
Propene (1C)	47		46 - 135								

Lab Sample ID: MB 410-783533/1-A

Matrix: Water

Analysis Batch: 783346

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 783533

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethane (1C)	2.0	U	5.0	2.0	1.0	ug/L		03/16/26 18:04	1
Ethene (1C)	2.0	U	5.0	2.0	1.0	ug/L		03/16/26 18:04	1
Methane (1C)	6.0	U	6.5	6.0	3.0	ug/L		03/16/26 18:04	1
MB MB									
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
Propene (1C)	100		46 - 135	03/16/26 14:10	03/16/26 18:04	1			

Lab Sample ID: LCS 410-783533/2-A

Matrix: Water

Analysis Batch: 783346

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 783533

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethane (1C)	61.8	60.7		ug/L		98	74 - 131
Ethene (1C)	58.4	56.9		ug/L		97	72 - 133
Methane (1C)	60.7	58.2		ug/L		96	73 - 125
LCS LCS							
Surrogate	%Recovery	Qualifier	Limits				
Propene (1C)	97		46 - 135				

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Defense Supply Center Philadelphia 2024

Job ID: 410-269654-1

Method: RSK-175 - Dissolved Gases (GC) - DL

Lab Sample ID: 410-269654-1 MS

Matrix: Water

Analysis Batch: 783346

Client Sample ID: PH-PH-21(03112026)MS

Prep Type: Total/NA

Prep Batch: 783533

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Methane (1C) - DL	5400	J1 D	1210	7470	4 D	ug/L		170	73 - 125
Surrogate	%Recovery	MS Qualifier	Limits						
Propene (1C) - DL	95		46 - 135						

Lab Sample ID: 410-269654-1 MSD

Matrix: Water

Analysis Batch: 783346

Client Sample ID: PH-PH-21(03112026)MSD

Prep Type: Total/NA

Prep Batch: 783533

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methane (1C) - DL	5400	J1 D	1210	6940	4 D	ug/L		127	73 - 125	7	20
Surrogate	%Recovery	MSD Qualifier	Limits								
Propene (1C) - DL	96		46 - 135								

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Lab Sample ID: MB 410-783146/1-A

Matrix: Water

Analysis Batch: 783836

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 783146

Analyte	MB	MB	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac	
	Result	Qualifier								
1,2-Dibromoethane (1C)	0.020	U	0.020	0.020	0.010	ug/L		03/17/26 06:59	1	
1,2-Dibromo-3-Chloropropane (1C)	0.020	U	0.020	0.020	0.010	ug/L		03/17/26 06:59	1	
Surrogate	MB	MB	Limits					Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier								
1,1,2,2-Tetrachloroethane (1C)	109		46 - 136					03/15/26 23:21	03/17/26 06:59	1
1,1,2,2-Tetrachloroethane (2C)	103		46 - 136					03/15/26 23:21	03/17/26 06:59	1

Lab Sample ID: LCS 410-783146/2-A

Matrix: Water

Analysis Batch: 783836

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 783146

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromoethane (1C)	0.129	0.121		ug/L		93	60 - 140
1,2-Dibromo-3-Chloropropane (1C)	0.129	0.125		ug/L		97	60 - 140
Surrogate	%Recovery	LCS Qualifier	Limits				
1,1,2,2-Tetrachloroethane (1C)	103		46 - 136				
1,1,2,2-Tetrachloroethane (2C)	97		46 - 136				

Lab Sample ID: LCSD 410-783146/3-A

Matrix: Water

Analysis Batch: 783836

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 783146

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromoethane (1C)	0.129	0.131		ug/L		101	60 - 140	8	20

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QC Sample Results

Client: Arcadis US Inc.

Job ID: 410-269654-1

Project/Site: Defense Supply Center Philadelphia 2024

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC) (Continued)

Lab Sample ID: LCSD 410-783146/3-A

Matrix: Water

Analysis Batch: 783836

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 783146

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane (1C)	0.129	0.125		ug/L		97	60 - 140	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,1,2,2-Tetrachloroethane (1C)	106		46 - 136
1,1,2,2-Tetrachloroethane (2C)	99		46 - 136

Lab Sample ID: 410-269654-1 MS

Matrix: Water

Analysis Batch: 783836

Client Sample ID: PH-PH-21(03112026)MS

Prep Type: Total/NA

Prep Batch: 783146

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromoethane (1C)	0.019	U	0.120	0.127		ug/L		106	60 - 140
1,2-Dibromo-3-Chloropropane (1C)	0.019	U	0.120	0.130		ug/L		109	60 - 140

Surrogate	MS %Recovery	MS Qualifier	Limits
1,1,2,2-Tetrachloroethane (1C)	104		46 - 136
1,1,2,2-Tetrachloroethane (2C)	110		46 - 136

Lab Sample ID: 410-269654-1 MSD

Matrix: Water

Analysis Batch: 783836

Client Sample ID: PH-PH-21(03112026)MSD

Prep Type: Total/NA

Prep Batch: 783146

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromoethane (1C)	0.019	U	0.121	0.132		ug/L		110	60 - 140	4	30
1,2-Dibromo-3-Chloropropane (1C)	0.019	U	0.121	0.130		ug/L		108	60 - 140	0	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,1,2,2-Tetrachloroethane (1C)	107		46 - 136
1,1,2,2-Tetrachloroethane (2C)	101		46 - 136

Lab Sample ID: MB 410-783147/1-A

Matrix: Water

Analysis Batch: 783836

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 783147

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,2-Dibromoethane (1C)	0.020	U	0.020	0.020	0.010	ug/L		03/17/26 10:39	1
1,2-Dibromo-3-Chloropropane (1C)	0.020	U	0.020	0.020	0.010	ug/L		03/17/26 10:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane (1C)	99		46 - 136	03/15/26 23:31	03/17/26 10:39	1
1,1,2,2-Tetrachloroethane (2C)	90		46 - 136	03/15/26 23:31	03/17/26 10:39	1

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Defense Supply Center Philadelphia 2024

Job ID: 410-269654-1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC) (Continued)

Lab Sample ID: LCS 410-783147/2-A

Matrix: Water

Analysis Batch: 783836

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 783147

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromoethane (1C)	0.129	0.127		ug/L		98	60 - 140
1,2-Dibromo-3-Chloropropane (1C)	0.129	0.147		ug/L		114	60 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,1,2,2-Tetrachloroethane (1C)	99		46 - 136
1,1,2,2-Tetrachloroethane (2C)	90	M	46 - 136

Lab Sample ID: LCSD 410-783147/3-A

Matrix: Water

Analysis Batch: 783836

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 783147

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromoethane (1C)	0.129	0.126		ug/L		97	60 - 140	1	20
1,2-Dibromo-3-Chloropropane (1C)	0.129	0.148		ug/L		115	60 - 140	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,1,2,2-Tetrachloroethane (1C)	102		46 - 136
1,1,2,2-Tetrachloroethane (2C)	93	M	46 - 136

Method: 8015D - Nonhalogenated Organic Compounds - Direct Injection (GC)

Lab Sample ID: MB 410-782492/1-A

Matrix: Water

Analysis Batch: 782578

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 782492

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethanol (1C)	630	U	1000	630	310	ug/L		03/13/26 19:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Acetone (1C)	104		54 - 130	03/13/26 10:39	03/13/26 19:22	1
Acetone (2C)	96		54 - 130	03/13/26 10:39	03/13/26 19:22	1

Lab Sample ID: LCS 410-782492/2-A

Matrix: Water

Analysis Batch: 782578

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 782492

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethanol (1C)	2510	2350		ug/L		94	74 - 134

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Acetone (1C)	97		54 - 130
Acetone (2C)	88		54 - 130

QC Sample Results

Client: Arcadis US Inc.

Job ID: 410-269654-1

Project/Site: Defense Supply Center Philadelphia 2024

Method: 8015D - Nonhalogenated Organic Compounds - Direct Injection (GC) (Continued)

Lab Sample ID: 410-269654-1 MS

Matrix: Water

Analysis Batch: 782578

Client Sample ID: PH-PH-21(03112026)MS

Prep Type: Total/NA

Prep Batch: 782492

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethanol (2C)	630	U	2510	2720		ug/L		108	74 - 134
Surrogate	%Recovery	MS Qualifier	MS Limits						
Acetone (1C)	127		54 - 130						
Acetone (2C)	85		54 - 130						

Lab Sample ID: 410-269654-1 MSD

Matrix: Water

Analysis Batch: 782578

Client Sample ID: PH-PH-21(03112026)MSD

Prep Type: Total/NA

Prep Batch: 782492

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethanol (2C)	630	U	2510	2320		ug/L		92	74 - 134	16	30
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
Acetone (1C)	105		54 - 130								
Acetone (2C)	94		54 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 410-787272/5

Matrix: Water

Analysis Batch: 787272

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	1.0	U	1.5	1.0	0.50	mg/L		03/22/26 20:12	1

Lab Sample ID: LCS 410-787272/3

Matrix: Water

Analysis Batch: 787272

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	7.50	7.65		mg/L		102	87 - 112

Lab Sample ID: LCSD 410-787272/4

Matrix: Water

Analysis Batch: 787272

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	7.50	7.67		mg/L		102	87 - 112	0	10

Lab Sample ID: MB 410-788272/5

Matrix: Water

Analysis Batch: 788272

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfate	1.0	U	1.5	1.0	0.50	mg/L		03/24/26 11:19	1

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Defense Supply Center Philadelphia 2024

Job ID: 410-269654-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 410-788272/3

Matrix: Water

Analysis Batch: 788272

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	7.50	7.50		mg/L		100	87 - 112

Lab Sample ID: LCSD 410-788272/4

Matrix: Water

Analysis Batch: 788272

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	7.50	7.50		mg/L		100	87 - 112	0	10

Lab Sample ID: 410-269654-1 MS

Matrix: Water

Analysis Batch: 788272

Client Sample ID: PH-PH-21(03112026)MS

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	44	D J1	25.0	77.6	D J1	mg/L		136	87 - 112

Lab Sample ID: 410-269654-1 DU

Matrix: Water

Analysis Batch: 788272

Client Sample ID: PH-PH-21(03112026)

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfate	44	D J1	48.0	D	mg/L		9	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-782234/1-A

Matrix: Water

Analysis Batch: 782848

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 782234

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic, dissolved	1.8	U	2.1	1.8	0.70	ug/L		03/13/26 16:43	1
Iron, dissolved	41	U	52	41	21	ug/L		03/13/26 16:43	1
Lead, dissolved	0.25	U	0.52	0.25	0.12	ug/L		03/13/26 16:43	1
Manganese, dissolved	2.0	U	2.1	2.0	0.98	ug/L		03/13/26 16:43	1

Lab Sample ID: LCS 410-782234/2-A

Matrix: Water

Analysis Batch: 782848

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 782234

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, dissolved	500	537		ug/L		107	84 - 116
Iron, dissolved	5000	5590		ug/L		112	87 - 118
Lead, dissolved	50.0	56.0		ug/L		112	88 - 115
Manganese, dissolved	500	545		ug/L		109	87 - 115

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Defense Supply Center Philadelphia 2024

Job ID: 410-269654-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 410-783835/1-A

Matrix: Water

Analysis Batch: 787119

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 783835

Analyte	MB MB		LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic, dissolved	1.8	U	2.1	1.8	0.70	ug/L		03/22/26 17:05	1
Iron, dissolved	41	U	52	41	21	ug/L		03/22/26 17:05	1
Lead, dissolved	0.25	U	0.52	0.25	0.12	ug/L		03/22/26 17:05	1
Manganese, dissolved	2.0	U	2.1	2.0	0.98	ug/L		03/22/26 17:05	1

Lab Sample ID: LCS 410-783835/2-A

Matrix: Water

Analysis Batch: 787119

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 783835

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	
Arsenic, dissolved	500	540		ug/L		108	84 - 116	
Iron, dissolved	5000	5050		ug/L		101	87 - 118	
Lead, dissolved	50.0	53.9		ug/L		108	88 - 115	
Manganese, dissolved	500	512		ug/L		102	87 - 115	

Lab Sample ID: LCSD 410-783835/3-A

Matrix: Water

Analysis Batch: 787119

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 783835

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	
							Limits		RPD	Limit
Arsenic, dissolved	500	536		ug/L		107	84 - 116		1	20
Iron, dissolved	5000	5160		ug/L		103	87 - 118		2	20
Lead, dissolved	50.0	52.7		ug/L		105	88 - 115		2	20
Manganese, dissolved	500	519		ug/L		104	87 - 115		1	20

Lab Sample ID: MB 410-782119/1-A

Matrix: Water

Analysis Batch: 786531

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 782119

Analyte	MB MB		LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	1.7	U	2.0	1.7	0.68	ug/L		03/20/26 11:59	1
Iron	40	U	50	40	20	ug/L		03/20/26 11:59	1
Lead	0.24	U	0.50	0.24	0.12	ug/L		03/20/26 11:59	1
Manganese	1.9	U	2.0	1.9	0.95	ug/L		03/20/26 11:59	1

Lab Sample ID: LCS 410-782119/2-A

Matrix: Water

Analysis Batch: 786531

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 782119

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	
Arsenic	500	532		ug/L		106	84 - 116	
Iron	5000	5320		ug/L		106	87 - 118	
Lead	50.0	54.6		ug/L		109	88 - 115	
Manganese	500	528		ug/L		106	87 - 115	

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Defense Supply Center Philadelphia 2024

Job ID: 410-269654-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 410-269654-1 MS

Matrix: Water

Analysis Batch: 786531

Client Sample ID: PH-PH-21(03112026)MS

Prep Type: Total Recoverable

Prep Batch: 782119

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	2.5		500	516		ug/L		103	84 - 116
Iron	2300		5000	7430		ug/L		102	87 - 118
Lead	0.24	U	50.0	51.2		ug/L		102	88 - 115
Manganese	420		500	934		ug/L		103	87 - 115

Lab Sample ID: 410-269654-1 MSD

Matrix: Water

Analysis Batch: 786531

Client Sample ID: PH-PH-21(03112026)MSD

Prep Type: Total Recoverable

Prep Batch: 782119

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	2.5		500	518		ug/L		103	84 - 116	0	20
Iron	2300		5000	7340		ug/L		101	87 - 118	1	20
Lead	0.24	U	50.0	51.6		ug/L		103	88 - 115	1	20
Manganese	420		500	924		ug/L		101	87 - 115	1	20

Lab Sample ID: 410-269654-1 DU

Matrix: Water

Analysis Batch: 786531

Client Sample ID: PH-PH-21(03112026)

Prep Type: Total Recoverable

Prep Batch: 782119

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	2.5		2.88		ug/L		13	20
Iron	2300		2410		ug/L		4	20
Lead	0.24	U	0.24	U	ug/L		NC	20
Manganese	420		435		ug/L		3	20

Lab Sample ID: MB 410-782125/1-A

Matrix: Water

Analysis Batch: 783788

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 782125

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	1.7	U	2.0	1.7	0.68	ug/L		03/16/26 18:57	1
Iron	40	U	50	40	20	ug/L		03/16/26 18:57	1
Lead	0.24	U	0.50	0.24	0.12	ug/L		03/16/26 18:57	1
Manganese	1.9	U	2.0	1.9	0.95	ug/L		03/16/26 18:57	1

Lab Sample ID: LCS 410-782125/2-A

Matrix: Water

Analysis Batch: 783788

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 782125

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	500	528		ug/L		106	84 - 116
Iron	5000	5250		ug/L		105	87 - 118
Lead	50.0	53.7		ug/L		107	88 - 115
Manganese	500	513		ug/L		103	87 - 115

QC Sample Results

Client: Arcadis US Inc.

Job ID: 410-269654-1

Project/Site: Defense Supply Center Philadelphia 2024

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 410-782130/1-A

Matrix: Water

Analysis Batch: 782848

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 782130

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	1.7	U	2.0	1.7	0.68	ug/L		03/13/26 16:45	1
Iron	31.5	J	50	40	20	ug/L		03/13/26 16:45	1
Lead	0.24	U	0.50	0.24	0.12	ug/L		03/13/26 16:45	1
Manganese	2.20		2.0	1.9	0.95	ug/L		03/13/26 16:45	1

Lab Sample ID: LCS 410-782130/2-A

Matrix: Water

Analysis Batch: 782848

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 782130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	500	509		ug/L		102	84 - 116
Iron	5000	5510		ug/L		110	87 - 118
Lead	50.0	54.2		ug/L		108	88 - 115
Manganese	500	519		ug/L		104	87 - 115

Lab Sample ID: MB 410-783185/1-A

Matrix: Water

Analysis Batch: 783792

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 783185

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Manganese	1.9	U	2.0	1.9	0.95	ug/L		03/16/26 19:54	1

Lab Sample ID: LCS 410-783185/2-A

Matrix: Water

Analysis Batch: 783792

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 783185

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	500	516		ug/L		103	87 - 115

Lab Sample ID: 410-269654-1 MS

Matrix: Water

Analysis Batch: 782848

Client Sample ID: PH-PH-21(03112026)MS

Prep Type: Dissolved

Prep Batch: 782234

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, dissolved	0.86	J	500	558		ug/L		111	84 - 116
Iron, dissolved	240		5000	5900		ug/L		113	87 - 118
Lead, dissolved	0.25	U	50.0	55.0		ug/L		110	88 - 115
Manganese, dissolved	500		500	1040		ug/L		108	87 - 115

Lab Sample ID: 410-269654-1 MSD

Matrix: Water

Analysis Batch: 782848

Client Sample ID: PH-PH-21(03112026)MSD

Prep Type: Dissolved

Prep Batch: 782234

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic, dissolved	0.86	J	500	561		ug/L		112	84 - 116	1	20
Iron, dissolved	240		5000	5780		ug/L		111	87 - 118	2	20
Lead, dissolved	0.25	U	50.0	56.0		ug/L		112	88 - 115	2	20
Manganese, dissolved	500		500	1040		ug/L		107	87 - 115	1	20

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Defense Supply Center Philadelphia 2024

Job ID: 410-269654-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 410-269654-1 DU

Matrix: Water

Analysis Batch: 782848

Client Sample ID: PH-PH-21(03112026)

Prep Type: Dissolved

Prep Batch: 782234

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Arsenic, dissolved	0.86	J	1.31	J	ug/L		42	20
Iron, dissolved	240		232		ug/L		3	20
Lead, dissolved	0.25	U	0.25	U	ug/L		NC	20
Manganese, dissolved	500		493		ug/L		2	20

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 410-781902/13

Matrix: Water

Analysis Batch: 781902

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
	Result	Qualifier							
Nitrite as N	0.020	U	0.020	0.020	0.0080	mg/L		03/12/26 12:31	1

Lab Sample ID: MB 410-781902/43

Matrix: Water

Analysis Batch: 781902

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
	Result	Qualifier							
Nitrite as N	0.020	U	0.020	0.020	0.0080	mg/L		03/12/26 12:43	1

Lab Sample ID: LCS 410-781902/12

Matrix: Water

Analysis Batch: 781902

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	0.400	0.405		mg/L		101	90 - 110

Lab Sample ID: LCS 410-781902/42

Matrix: Water

Analysis Batch: 781902

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	0.400	0.400		mg/L		100	90 - 110

Lab Sample ID: 410-269654-1 MS

Matrix: Water

Analysis Batch: 781902

Client Sample ID: PH-PH-21(03112026)MS

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
Nitrite as N	0.020	U	0.200	0.202		mg/L		101	90 - 110

Lab Sample ID: 410-269654-2 MS

Matrix: Water

Analysis Batch: 781902

Client Sample ID: PH-RW-A(03112026)

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
Nitrite as N	0.0091	J	0.200	0.212		mg/L		101	90 - 110

QC Sample Results

Client: Arcadis US Inc.

Job ID: 410-269654-1

Project/Site: Defense Supply Center Philadelphia 2024

Method: 353.2 - Nitrogen, Nitrite (Continued)

Lab Sample ID: 410-269654-1 DU

Matrix: Water

Analysis Batch: 781902

Client Sample ID: PH-PH-21(03112026)

Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Nitrite as N	0.020	U	0.020	U	mg/L		NC	20

Lab Sample ID: 410-269654-2 DU

Matrix: Water

Analysis Batch: 781902

Client Sample ID: PH-RW-A(03112026)

Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Nitrite as N	0.0091	J	0.020	U	mg/L		NC	20

Method: 353.2 - Nitrate by Calculation

Lab Sample ID: 410-269654-1 MS

Matrix: Water

Analysis Batch: 781949

Client Sample ID: PH-PH-21(03112026)MS

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier			Limits	Limits
Nitrate as N	0.090	U	0.800	0.689		mg/L		NaN	90 - 110
Nitrate Nitrite as N	0.090	U J1	1.00	0.891	J1	mg/L		89	90 - 110
Nitrite as N	0.020	U	0.200	0.202		mg/L		101	90 - 110

Lab Sample ID: 410-269654-1 DU

Matrix: Water

Analysis Batch: 781949

Client Sample ID: PH-PH-21(03112026)

Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Nitrate as N	0.090	U	0.090	U	mg/L		NC	10

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 410-782879/89

Matrix: Water

Analysis Batch: 782879

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
	Result	Qualifier							
Nitrate Nitrite as N	0.090	U	0.10	0.090	0.040	mg/L		03/13/26 23:52	1

Lab Sample ID: LCS 410-782879/90

Matrix: Water

Analysis Batch: 782879

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
Nitrate Nitrite as N	2.00	1.94		mg/L		97	90 - 110

Lab Sample ID: LCSD 410-782879/91

Matrix: Water

Analysis Batch: 782879

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	Limit
Nitrate Nitrite as N	2.00	2.09		mg/L		105	90 - 110	8	20

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Defense Supply Center Philadelphia 2024

Job ID: 410-269654-1

Method: 353.2 - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: 410-269654-1 MS

Matrix: Water

Analysis Batch: 782879

Client Sample ID: PH-PH-21(03112026)MS

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	0.090	U J1	1.00	0.891	J1	mg/L		89	90 - 110

Lab Sample ID: 410-269654-1 DU

Matrix: Water

Analysis Batch: 782879

Client Sample ID: PH-PH-21(03112026)

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrate Nitrite as N	0.090	U J1	0.090	U	mg/L		NC	10

Method: 4500 S2 F-2011 - Sulfide, Total

Lab Sample ID: MB 410-783498/1

Matrix: Water

Analysis Batch: 783498

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Sulfide	1.5	U	2.0	1.5	0.70	mg/L		03/16/26 12:53	1

Lab Sample ID: LCS 410-783498/2

Matrix: Water

Analysis Batch: 783498

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	20.0	18.8		mg/L		94	77 - 103

Lab Sample ID: LCSD 410-783498/3

Matrix: Water

Analysis Batch: 783498

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	20.0	19.6		mg/L		98	77 - 103	4	10

Lab Sample ID: MRL 410-783498/4

Matrix: Water

Analysis Batch: 783498

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	2.00	1.99	J	mg/L		99	50 - 150

Lab Sample ID: 410-269654-1 MS

Matrix: Water

Analysis Batch: 783498

Client Sample ID: PH-PH-21(03112026)MS

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	1.5	U	10.0	9.40		mg/L		94	77 - 110

QC Sample Results

Client: Arcadis US Inc.

Job ID: 410-269654-1

Project/Site: Defense Supply Center Philadelphia 2024

Method: 4500 S2 F-2011 - Sulfide, Total (Continued)

Lab Sample ID: 410-269654-1 MSD

Matrix: Water

Analysis Batch: 783498

Client Sample ID: PH-PH-21(03112026)MSD

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	1.5	U	10.0	9.60		mg/L		96	77 - 110	2	10

Lab Sample ID: 410-269654-1 DU

Matrix: Water

Analysis Batch: 783498

Client Sample ID: PH-PH-21(03112026)

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfide	1.5	U	0.816	J	mg/L		NC	10

QC Association Summary

Client: Arcadis US Inc.

Job ID: 410-269654-1

Project/Site: Defense Supply Center Philadelphia 2024

GC/MS VOA

Analysis Batch: 785320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-269654-1	PH-PH-21(03112026)	Total/NA	Water	8260C DOD	
410-269654-2	PH-RW-A(03112026)	Total/NA	Water	8260C DOD	
410-269654-3	PH-RW-A2(03112026)	Total/NA	Water	8260C DOD	
410-269654-3 - DL	PH-RW-A2(03112026)	Total/NA	Water	8260C DOD	
410-269654-4	PH-MW-66(03112026)	Total/NA	Water	8260C DOD	
410-269654-5	DUP01-(03112026)	Total/NA	Water	8260C DOD	
410-269654-5 - DL	DUP01-(03112026)	Total/NA	Water	8260C DOD	
410-269654-6	PH-PH-2(03112026)	Total/NA	Water	8260C DOD	
410-269654-6 - DL	PH-PH-2(03112026)	Total/NA	Water	8260C DOD	
410-269654-7	TB01(03112026)	Total/NA	Water	8260C DOD	
MB 410-785320/6	Method Blank	Total/NA	Water	8260C DOD	
LCS 410-785320/4	Lab Control Sample	Total/NA	Water	8260C DOD	
410-269654-1 MS	PH-PH-21(03112026)MS	Total/NA	Water	8260C DOD	
410-269654-1 MSD	PH-PH-21(03112026)MSD	Total/NA	Water	8260C DOD	

GC VOA

Analysis Batch: 781718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-269654-1	PH-PH-21(03112026)	Total/NA	Water	RSK-175	781967
410-269654-2	PH-RW-A(03112026)	Total/NA	Water	RSK-175	781967
410-269654-3	PH-RW-A2(03112026)	Total/NA	Water	RSK-175	781967
410-269654-4	PH-MW-66(03112026)	Total/NA	Water	RSK-175	781967
410-269654-5	DUP01-(03112026)	Total/NA	Water	RSK-175	781967
410-269654-6	PH-PH-2(03112026)	Total/NA	Water	RSK-175	781967
MB 410-781967/1-A	Method Blank	Total/NA	Water	RSK-175	781967
LCS 410-781967/2-A	Lab Control Sample	Total/NA	Water	RSK-175	781967
410-269654-1 MS	PH-PH-21(03112026)MS	Total/NA	Water	RSK-175	781967
410-269654-1 MSD	PH-PH-21(03112026)MSD	Total/NA	Water	RSK-175	781967

Prep Batch: 781967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-269654-1	PH-PH-21(03112026)	Total/NA	Water	RSK-175	
410-269654-2	PH-RW-A(03112026)	Total/NA	Water	RSK-175	
410-269654-3	PH-RW-A2(03112026)	Total/NA	Water	RSK-175	
410-269654-4	PH-MW-66(03112026)	Total/NA	Water	RSK-175	
410-269654-5	DUP01-(03112026)	Total/NA	Water	RSK-175	
410-269654-6	PH-PH-2(03112026)	Total/NA	Water	RSK-175	
MB 410-781967/1-A	Method Blank	Total/NA	Water	RSK-175	
LCS 410-781967/2-A	Lab Control Sample	Total/NA	Water	RSK-175	
410-269654-1 MS	PH-PH-21(03112026)MS	Total/NA	Water	RSK-175	
410-269654-1 MSD	PH-PH-21(03112026)MSD	Total/NA	Water	RSK-175	

Analysis Batch: 782422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-269654-1	PH-PH-21(03112026)	Total/NA	Water	RSK-175	782526
410-269654-2	PH-RW-A(03112026)	Total/NA	Water	RSK-175	782526
410-269654-3	PH-RW-A2(03112026)	Total/NA	Water	RSK-175	782526
410-269654-4	PH-MW-66(03112026)	Total/NA	Water	RSK-175	782526
410-269654-5	DUP01-(03112026)	Total/NA	Water	RSK-175	782526
MB 410-782526/1-A	Method Blank	Total/NA	Water	RSK-175	782526

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Arcadis US Inc.

Job ID: 410-269654-1

Project/Site: Defense Supply Center Philadelphia 2024

GC VOA (Continued)

Analysis Batch: 782422 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 410-782526/2-A	Lab Control Sample	Total/NA	Water	RSK-175	782526
410-269654-1 MS	PH-PH-21(03112026)MS	Total/NA	Water	RSK-175	782526
410-269654-1 MSD	PH-PH-21(03112026)MSD	Total/NA	Water	RSK-175	782526

Prep Batch: 782526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-269654-1	PH-PH-21(03112026)	Total/NA	Water	RSK-175	
410-269654-2	PH-RW-A(03112026)	Total/NA	Water	RSK-175	
410-269654-3	PH-RW-A2(03112026)	Total/NA	Water	RSK-175	
410-269654-4	PH-MW-66(03112026)	Total/NA	Water	RSK-175	
410-269654-5	DUP01-(03112026)	Total/NA	Water	RSK-175	
MB 410-782526/1-A	Method Blank	Total/NA	Water	RSK-175	
LCS 410-782526/2-A	Lab Control Sample	Total/NA	Water	RSK-175	
410-269654-1 MS	PH-PH-21(03112026)MS	Total/NA	Water	RSK-175	
410-269654-1 MSD	PH-PH-21(03112026)MSD	Total/NA	Water	RSK-175	

Analysis Batch: 783346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-269654-1 - DL	PH-PH-21(03112026)	Total/NA	Water	RSK-175	783533
410-269654-2 - DL	PH-RW-A(03112026)	Total/NA	Water	RSK-175	783533
410-269654-3 - DL	PH-RW-A2(03112026)	Total/NA	Water	RSK-175	783533
410-269654-5 - DL	DUP01-(03112026)	Total/NA	Water	RSK-175	783533
410-269654-6	PH-PH-2(03112026)	Total/NA	Water	RSK-175	783533
410-269654-6 - DL	PH-PH-2(03112026)	Total/NA	Water	RSK-175	783533
MB 410-783533/1-A	Method Blank	Total/NA	Water	RSK-175	783533
LCS 410-783533/2-A	Lab Control Sample	Total/NA	Water	RSK-175	783533
410-269654-1 MS - DL	PH-PH-21(03112026)MS	Total/NA	Water	RSK-175	783533
410-269654-1 MSD - DL	PH-PH-21(03112026)MSD	Total/NA	Water	RSK-175	783533

Prep Batch: 783533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-269654-1 - DL	PH-PH-21(03112026)	Total/NA	Water	RSK-175	
410-269654-2 - DL	PH-RW-A(03112026)	Total/NA	Water	RSK-175	
410-269654-3 - DL	PH-RW-A2(03112026)	Total/NA	Water	RSK-175	
410-269654-5 - DL	DUP01-(03112026)	Total/NA	Water	RSK-175	
410-269654-6	PH-PH-2(03112026)	Total/NA	Water	RSK-175	
410-269654-6 - DL	PH-PH-2(03112026)	Total/NA	Water	RSK-175	
MB 410-783533/1-A	Method Blank	Total/NA	Water	RSK-175	
LCS 410-783533/2-A	Lab Control Sample	Total/NA	Water	RSK-175	
410-269654-1 MS - DL	PH-PH-21(03112026)MS	Total/NA	Water	RSK-175	
410-269654-1 MSD - DL	PH-PH-21(03112026)MSD	Total/NA	Water	RSK-175	

GC Semi VOA

Prep Batch: 782492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-269654-1	PH-PH-21(03112026)	Total/NA	Water	8015 DAI	
410-269654-2	PH-RW-A(03112026)	Total/NA	Water	8015 DAI	
410-269654-3	PH-RW-A2(03112026)	Total/NA	Water	8015 DAI	
410-269654-4	PH-MW-66(03112026)	Total/NA	Water	8015 DAI	
410-269654-5	DUP01-(03112026)	Total/NA	Water	8015 DAI	

QC Association Summary

Client: Arcadis US Inc.

Job ID: 410-269654-1

Project/Site: Defense Supply Center Philadelphia 2024

GC Semi VOA (Continued)

Prep Batch: 782492 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-269654-6	PH-PH-2(03112026)	Total/NA	Water	8015 DAI	
MB 410-782492/1-A	Method Blank	Total/NA	Water	8015 DAI	
LCS 410-782492/2-A	Lab Control Sample	Total/NA	Water	8015 DAI	
410-269654-1 MS	PH-PH-21(03112026)MS	Total/NA	Water	8015 DAI	
410-269654-1 MSD	PH-PH-21(03112026)MSD	Total/NA	Water	8015 DAI	

Analysis Batch: 782578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-269654-1	PH-PH-21(03112026)	Total/NA	Water	8015D	782492
410-269654-2	PH-RW-A(03112026)	Total/NA	Water	8015D	782492
410-269654-3	PH-RW-A2(03112026)	Total/NA	Water	8015D	782492
410-269654-4	PH-MW-66(03112026)	Total/NA	Water	8015D	782492
410-269654-5	DUP01-(03112026)	Total/NA	Water	8015D	782492
410-269654-6	PH-PH-2(03112026)	Total/NA	Water	8015D	782492
MB 410-782492/1-A	Method Blank	Total/NA	Water	8015D	782492
LCS 410-782492/2-A	Lab Control Sample	Total/NA	Water	8015D	782492
410-269654-1 MS	PH-PH-21(03112026)MS	Total/NA	Water	8015D	782492
410-269654-1 MSD	PH-PH-21(03112026)MSD	Total/NA	Water	8015D	782492

Prep Batch: 783146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-269654-1	PH-PH-21(03112026)	Total/NA	Water	8011	
410-269654-2	PH-RW-A(03112026)	Total/NA	Water	8011	
410-269654-3	PH-RW-A2(03112026)	Total/NA	Water	8011	
MB 410-783146/1-A	Method Blank	Total/NA	Water	8011	
LCS 410-783146/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 410-783146/3-A	Lab Control Sample Dup	Total/NA	Water	8011	
410-269654-1 MS	PH-PH-21(03112026)MS	Total/NA	Water	8011	
410-269654-1 MSD	PH-PH-21(03112026)MSD	Total/NA	Water	8011	

Prep Batch: 783147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-269654-4	PH-MW-66(03112026)	Total/NA	Water	8011	
410-269654-5	DUP01-(03112026)	Total/NA	Water	8011	
410-269654-6	PH-PH-2(03112026)	Total/NA	Water	8011	
MB 410-783147/1-A	Method Blank	Total/NA	Water	8011	
LCS 410-783147/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 410-783147/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 783836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-269654-1	PH-PH-21(03112026)	Total/NA	Water	8011	783146
410-269654-2	PH-RW-A(03112026)	Total/NA	Water	8011	783146
410-269654-3	PH-RW-A2(03112026)	Total/NA	Water	8011	783146
410-269654-4	PH-MW-66(03112026)	Total/NA	Water	8011	783147
410-269654-5	DUP01-(03112026)	Total/NA	Water	8011	783147
410-269654-6	PH-PH-2(03112026)	Total/NA	Water	8011	783147
MB 410-783146/1-A	Method Blank	Total/NA	Water	8011	783146
MB 410-783147/1-A	Method Blank	Total/NA	Water	8011	783147
LCS 410-783146/2-A	Lab Control Sample	Total/NA	Water	8011	783146
LCS 410-783147/2-A	Lab Control Sample	Total/NA	Water	8011	783147

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Arcadis US Inc.

Job ID: 410-269654-1

Project/Site: Defense Supply Center Philadelphia 2024

GC Semi VOA (Continued)

Analysis Batch: 783836 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 410-783146/3-A	Lab Control Sample Dup	Total/NA	Water	8011	783146
LCSD 410-783147/3-A	Lab Control Sample Dup	Total/NA	Water	8011	783147
410-269654-1 MS	PH-PH-21(03112026)MS	Total/NA	Water	8011	783146
410-269654-1 MSD	PH-PH-21(03112026)MSD	Total/NA	Water	8011	783146

HPLC/IC

Analysis Batch: 787272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-269654-2	PH-RW-A(03112026)	Total/NA	Water	300.0	
410-269654-3	PH-RW-A2(03112026)	Total/NA	Water	300.0	
410-269654-4	PH-MW-66(03112026)	Total/NA	Water	300.0	
410-269654-5	DUP01-(03112026)	Total/NA	Water	300.0	
410-269654-6	PH-PH-2(03112026)	Total/NA	Water	300.0	
MB 410-787272/5	Method Blank	Total/NA	Water	300.0	
LCS 410-787272/3	Lab Control Sample	Total/NA	Water	300.0	
LCSD 410-787272/4	Lab Control Sample Dup	Total/NA	Water	300.0	

Analysis Batch: 788272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-269654-1	PH-PH-21(03112026)	Total/NA	Water	300.0	
MB 410-788272/5	Method Blank	Total/NA	Water	300.0	
LCS 410-788272/3	Lab Control Sample	Total/NA	Water	300.0	
LCSD 410-788272/4	Lab Control Sample Dup	Total/NA	Water	300.0	
410-269654-1 MS	PH-PH-21(03112026)MS	Total/NA	Water	300.0	
410-269654-1 DU	PH-PH-21(03112026)	Total/NA	Water	300.0	

Metals

Prep Batch: 782119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-269654-1	PH-PH-21(03112026)	Total Recoverable	Water	3005A	
MB 410-782119/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-782119/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
410-269654-1 MS	PH-PH-21(03112026)MS	Total Recoverable	Water	3005A	
410-269654-1 MSD	PH-PH-21(03112026)MSD	Total Recoverable	Water	3005A	
410-269654-1 DU	PH-PH-21(03112026)	Total Recoverable	Water	3005A	

Prep Batch: 782125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-269654-2	PH-RW-A(03112026)	Total Recoverable	Water	3005A	
410-269654-3	PH-RW-A2(03112026)	Total Recoverable	Water	3005A	
410-269654-5	DUP01-(03112026)	Total Recoverable	Water	3005A	
MB 410-782125/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-782125/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 782130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-269654-4	PH-MW-66(03112026)	Total Recoverable	Water	3005A	
410-269654-6	PH-PH-2(03112026)	Total Recoverable	Water	3005A	
MB 410-782130/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-782130/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Arcadis US Inc.

Job ID: 410-269654-1

Project/Site: Defense Supply Center Philadelphia 2024

Metals

Prep Batch: 782234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-269654-1	PH-PH-21(03112026)	Dissolved	Water	Non-Digest Prep	
410-269654-2	PH-RW-A(03112026)	Dissolved	Water	Non-Digest Prep	
410-269654-3	PH-RW-A2(03112026)	Dissolved	Water	Non-Digest Prep	
410-269654-4	PH-MW-66(03112026)	Dissolved	Water	Non-Digest Prep	
410-269654-6	PH-PH-2(03112026)	Dissolved	Water	Non-Digest Prep	
MB 410-782234/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-782234/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	
410-269654-1 MS	PH-PH-21(03112026)MS	Dissolved	Water	Non-Digest Prep	
410-269654-1 MSD	PH-PH-21(03112026)MSD	Dissolved	Water	Non-Digest Prep	
410-269654-1 DU	PH-PH-21(03112026)	Dissolved	Water	Non-Digest Prep	

Analysis Batch: 782848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-269654-1	PH-PH-21(03112026)	Dissolved	Water	6020B	782234
410-269654-2	PH-RW-A(03112026)	Dissolved	Water	6020B	782234
410-269654-3	PH-RW-A2(03112026)	Dissolved	Water	6020B	782234
410-269654-3	PH-RW-A2(03112026)	Dissolved	Water	6020B	782234
410-269654-4	PH-MW-66(03112026)	Dissolved	Water	6020B	782234
410-269654-4	PH-MW-66(03112026)	Total Recoverable	Water	6020B	782130
410-269654-6	PH-PH-2(03112026)	Dissolved	Water	6020B	782234
410-269654-6	PH-PH-2(03112026)	Total Recoverable	Water	6020B	782130
MB 410-782130/1-A	Method Blank	Total Recoverable	Water	6020B	782130
MB 410-782234/1-A	Method Blank	Total/NA	Water	6020B	782234
LCS 410-782130/2-A	Lab Control Sample	Total Recoverable	Water	6020B	782130
LCS 410-782234/2-A	Lab Control Sample	Total/NA	Water	6020B	782234
410-269654-1 MS	PH-PH-21(03112026)MS	Dissolved	Water	6020B	782234
410-269654-1 MSD	PH-PH-21(03112026)MSD	Dissolved	Water	6020B	782234
410-269654-1 DU	PH-PH-21(03112026)	Dissolved	Water	6020B	782234

Prep Batch: 783185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-269654-4	PH-MW-66(03112026)	Total Recoverable	Water	3005A	
MB 410-783185/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-783185/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 783788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-269654-2	PH-RW-A(03112026)	Total Recoverable	Water	6020B	782125
410-269654-3	PH-RW-A2(03112026)	Total Recoverable	Water	6020B	782125
410-269654-3	PH-RW-A2(03112026)	Total Recoverable	Water	6020B	782125
410-269654-5	DUP01-(03112026)	Total Recoverable	Water	6020B	782125
MB 410-782125/1-A	Method Blank	Total Recoverable	Water	6020B	782125
LCS 410-782125/2-A	Lab Control Sample	Total Recoverable	Water	6020B	782125

Analysis Batch: 783792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-269654-4	PH-MW-66(03112026)	Total Recoverable	Water	6020B	783185
MB 410-783185/1-A	Method Blank	Total Recoverable	Water	6020B	783185
LCS 410-783185/2-A	Lab Control Sample	Total Recoverable	Water	6020B	783185

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Defense Supply Center Philadelphia 2024

Job ID: 410-269654-1

Metals

Prep Batch: 783835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-269654-5	DUP01-(03112026)	Dissolved	Water	Non-Digest Prep	
MB 410-783835/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-783835/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	
LCSD 410-783835/3-A	Lab Control Sample Dup	Total/NA	Water	Non-Digest Prep	

Analysis Batch: 786531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-269654-1	PH-PH-21(03112026)	Total Recoverable	Water	6020B	782119
MB 410-782119/1-A	Method Blank	Total Recoverable	Water	6020B	782119
LCS 410-782119/2-A	Lab Control Sample	Total Recoverable	Water	6020B	782119
410-269654-1 MS	PH-PH-21(03112026)MS	Total Recoverable	Water	6020B	782119
410-269654-1 MSD	PH-PH-21(03112026)MSD	Total Recoverable	Water	6020B	782119
410-269654-1 DU	PH-PH-21(03112026)	Total Recoverable	Water	6020B	782119

Analysis Batch: 787119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-269654-5	DUP01-(03112026)	Dissolved	Water	6020B	783835
MB 410-783835/1-A	Method Blank	Total/NA	Water	6020B	783835
LCS 410-783835/2-A	Lab Control Sample	Total/NA	Water	6020B	783835
LCSD 410-783835/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	783835

General Chemistry

Analysis Batch: 781902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-269654-1	PH-PH-21(03112026)	Total/NA	Water	353.2	
410-269654-2	PH-RW-A(03112026)	Total/NA	Water	353.2	
410-269654-3	PH-RW-A2(03112026)	Total/NA	Water	353.2	
410-269654-4	PH-MW-66(03112026)	Total/NA	Water	353.2	
410-269654-5	DUP01-(03112026)	Total/NA	Water	353.2	
410-269654-6	PH-PH-2(03112026)	Total/NA	Water	353.2	
MB 410-781902/13	Method Blank	Total/NA	Water	353.2	
MB 410-781902/43	Method Blank	Total/NA	Water	353.2	
LCS 410-781902/12	Lab Control Sample	Total/NA	Water	353.2	
LCS 410-781902/42	Lab Control Sample	Total/NA	Water	353.2	
410-269654-1 MS	PH-PH-21(03112026)MS	Total/NA	Water	353.2	
410-269654-2 MS	PH-RW-A(03112026)	Total/NA	Water	353.2	
410-269654-1 DU	PH-PH-21(03112026)	Total/NA	Water	353.2	
410-269654-2 DU	PH-RW-A(03112026)	Total/NA	Water	353.2	

Analysis Batch: 781949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-269654-1	PH-PH-21(03112026)	Total/NA	Water	353.2	
410-269654-2	PH-RW-A(03112026)	Total/NA	Water	353.2	
410-269654-3	PH-RW-A2(03112026)	Total/NA	Water	353.2	
410-269654-4	PH-MW-66(03112026)	Total/NA	Water	353.2	
410-269654-5	DUP01-(03112026)	Total/NA	Water	353.2	
410-269654-6	PH-PH-2(03112026)	Total/NA	Water	353.2	
410-269654-1 MS	PH-PH-21(03112026)MS	Total/NA	Water	353.2	
410-269654-1 DU	PH-PH-21(03112026)	Total/NA	Water	353.2	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Defense Supply Center Philadelphia 2024

Job ID: 410-269654-1

General Chemistry

Analysis Batch: 782879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-269654-1	PH-PH-21(03112026)	Total/NA	Water	353.2	
410-269654-2	PH-RW-A(03112026)	Total/NA	Water	353.2	
410-269654-3	PH-RW-A2(03112026)	Total/NA	Water	353.2	
410-269654-4	PH-MW-66(03112026)	Total/NA	Water	353.2	
410-269654-5	DUP01-(03112026)	Total/NA	Water	353.2	
410-269654-6	PH-PH-2(03112026)	Total/NA	Water	353.2	
MB 410-782879/89	Method Blank	Total/NA	Water	353.2	
LCS 410-782879/90	Lab Control Sample	Total/NA	Water	353.2	
LCSD 410-782879/91	Lab Control Sample Dup	Total/NA	Water	353.2	
410-269654-1 MS	PH-PH-21(03112026)MS	Total/NA	Water	353.2	
410-269654-1 DU	PH-PH-21(03112026)	Total/NA	Water	353.2	

Analysis Batch: 783498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-269654-1	PH-PH-21(03112026)	Total/NA	Water	4500 S2 F-2011	
410-269654-2	PH-RW-A(03112026)	Total/NA	Water	4500 S2 F-2011	
410-269654-3	PH-RW-A2(03112026)	Total/NA	Water	4500 S2 F-2011	
410-269654-4	PH-MW-66(03112026)	Total/NA	Water	4500 S2 F-2011	
410-269654-5	DUP01-(03112026)	Total/NA	Water	4500 S2 F-2011	
410-269654-6	PH-PH-2(03112026)	Total/NA	Water	4500 S2 F-2011	
MB 410-783498/1	Method Blank	Total/NA	Water	4500 S2 F-2011	
LCS 410-783498/2	Lab Control Sample	Total/NA	Water	4500 S2 F-2011	
LCSD 410-783498/3	Lab Control Sample Dup	Total/NA	Water	4500 S2 F-2011	
MRL 410-783498/4	Lab Control Sample	Total/NA	Water	4500 S2 F-2011	
410-269654-1 MS	PH-PH-21(03112026)MS	Total/NA	Water	4500 S2 F-2011	
410-269654-1 MSD	PH-PH-21(03112026)MSD	Total/NA	Water	4500 S2 F-2011	
410-269654-1 DU	PH-PH-21(03112026)	Total/NA	Water	4500 S2 F-2011	

Lab Chronicle

Client: Arcadis US Inc.

Job ID: 410-269654-1

Project/Site: Defense Supply Center Philadelphia 2024

Client Sample ID: PH-PH-21(03112026)

Lab Sample ID: 410-269654-1

Date Collected: 03/11/26 10:10

Matrix: Water

Date Received: 03/11/26 18:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C DOD		1	785320	VY7Q	ELLE	03/19/26 01:50
Total/NA	Prep	RSK-175			781967	HQR6	ELLE	03/12/26 15:05
Total/NA	Analysis	RSK-175		1	781718	LXF2	ELLE	03/12/26 22:35
Total/NA	Prep	RSK-175			782526	HQR6	ELLE	03/13/26 11:38
Total/NA	Analysis	RSK-175		1	782422	LXF2	ELLE	03/13/26 18:49
Total/NA	Prep	RSK-175	DL		783533	HQR6	ELLE	03/16/26 14:10
Total/NA	Analysis	RSK-175	DL	20	783346	LXF2	ELLE	03/16/26 21:42
Total/NA	Prep	8011			783146	USL7	ELLE	03/15/26 23:21
Total/NA	Analysis	8011		1	783836	M6UH	ELLE	03/17/26 07:50
Total/NA	Prep	8015 DAI			782492	WZ6J	ELLE	03/13/26 10:39
Total/NA	Analysis	8015D		1	782578	WZ6J	ELLE	03/13/26 20:08
Total/NA	Analysis	300.0		5	788272	KJQ8	ELLE	03/24/26 15:27
Dissolved	Prep	Non-Digest Prep			782234	UAMX	ELLE	03/13/26 10:00
Dissolved	Analysis	6020B		1	782848	I9IN	ELLE	03/13/26 18:47
Total Recoverable	Prep	3005A			782119	ZKHU	ELLE	03/18/26 16:36
Total Recoverable	Analysis	6020B		1	786531	F7JF	ELLE	03/20/26 12:50
Total/NA	Analysis	353.2		1	782879	JA6S	ELLE	03/13/26 23:58
Total/NA	Analysis	353.2		1	781902	NLE3	ELLE	03/12/26 12:32
Total/NA	Analysis	353.2		1	781949	USJM	ELLE	03/12/26 12:32
Total/NA	Analysis	4500 S2 F-2011		1	783498	USE1	ELLE	03/16/26 12:53

Client Sample ID: PH-RW-A(03112026)

Lab Sample ID: 410-269654-2

Date Collected: 03/11/26 09:30

Matrix: Water

Date Received: 03/11/26 18:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C DOD		1	785320	VY7Q	ELLE	03/19/26 03:19
Total/NA	Prep	RSK-175			781967	HQR6	ELLE	03/12/26 15:05
Total/NA	Analysis	RSK-175		1	781718	LXF2	ELLE	03/12/26 23:00
Total/NA	Prep	RSK-175			782526	HQR6	ELLE	03/13/26 11:38
Total/NA	Analysis	RSK-175		1	782422	LXF2	ELLE	03/13/26 19:54
Total/NA	Prep	RSK-175	DL		783533	HQR6	ELLE	03/16/26 14:10
Total/NA	Analysis	RSK-175	DL	20	783346	LXF2	ELLE	03/16/26 23:04
Total/NA	Prep	8011			783146	USL7	ELLE	03/15/26 23:21
Total/NA	Analysis	8011		1	783836	M6UH	ELLE	03/17/26 08:41
Total/NA	Prep	8015 DAI			782492	WZ6J	ELLE	03/13/26 10:39
Total/NA	Analysis	8015D		1	782578	WZ6J	ELLE	03/13/26 20:55
Total/NA	Analysis	300.0		1	787272	KJQ8	ELLE	03/22/26 22:27
Dissolved	Prep	Non-Digest Prep			782234	UAMX	ELLE	03/13/26 10:00
Dissolved	Analysis	6020B		1	782848	I9IN	ELLE	03/13/26 18:39
Total Recoverable	Prep	3005A			782125	UAMX	ELLE	03/16/26 07:30
Total Recoverable	Analysis	6020B		1	783788	I9IN	ELLE	03/16/26 21:05
Total/NA	Analysis	353.2		1	782879	JA6S	ELLE	03/14/26 00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Defense Supply Center Philadelphia 2024

Job ID: 410-269654-1

Client Sample ID: PH-RW-A(03112026)

Lab Sample ID: 410-269654-2

Date Collected: 03/11/26 09:30

Matrix: Water

Date Received: 03/11/26 18:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	353.2		1	781902	NLE3	ELLE	03/12/26 12:44
Total/NA	Analysis	353.2		1	781949	USJM	ELLE	03/12/26 12:44
Total/NA	Analysis	4500 S2 F-2011		1	783498	USE1	ELLE	03/16/26 12:53

Client Sample ID: PH-RW-A2(03112026)

Lab Sample ID: 410-269654-3

Date Collected: 03/11/26 11:55

Matrix: Water

Date Received: 03/11/26 18:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C DOD		1	785320	VY7Q	ELLE	03/19/26 04:04
Total/NA	Analysis	8260C DOD	DL	10	785320	VY7Q	ELLE	03/19/26 04:26
Total/NA	Prep	RSK-175			781967	HQR6	ELLE	03/12/26 15:05
Total/NA	Analysis	RSK-175		1	781718	LXF2	ELLE	03/12/26 23:08
Total/NA	Prep	RSK-175			782526	HQR6	ELLE	03/13/26 11:38
Total/NA	Analysis	RSK-175		1	782422	LXF2	ELLE	03/13/26 20:13
Total/NA	Prep	RSK-175	DL		783533	HQR6	ELLE	03/16/26 14:10
Total/NA	Analysis	RSK-175	DL	50	783346	LXF2	ELLE	03/16/26 23:20
Total/NA	Prep	8011			783146	USL7	ELLE	03/15/26 23:21
Total/NA	Analysis	8011		1	783836	M6UH	ELLE	03/17/26 08:58
Total/NA	Prep	8015 DAI			782492	WZ6J	ELLE	03/13/26 10:39
Total/NA	Analysis	8015D		1	782578	WZ6J	ELLE	03/13/26 21:10
Total/NA	Analysis	300.0		1	787272	KJQ8	ELLE	03/23/26 03:42
Dissolved	Prep	Non-Digest Prep			782234	UAMX	ELLE	03/13/26 10:00
Dissolved	Analysis	6020B		1	782848	I9IN	ELLE	03/13/26 18:41
Dissolved	Prep	Non-Digest Prep			782234	UAMX	ELLE	03/13/26 10:00
Dissolved	Analysis	6020B		10	782848	I9IN	ELLE	03/13/26 19:51
Total Recoverable	Prep	3005A			782125	UAMX	ELLE	03/16/26 07:30
Total Recoverable	Analysis	6020B		1	783788	I9IN	ELLE	03/16/26 21:07
Total Recoverable	Prep	3005A			782125	UAMX	ELLE	03/16/26 07:30
Total Recoverable	Analysis	6020B		10	783788	I9IN	ELLE	03/16/26 22:13
Total/NA	Analysis	353.2		1	782879	JA6S	ELLE	03/14/26 00:06
Total/NA	Analysis	353.2		1	781902	NLE3	ELLE	03/12/26 12:43
Total/NA	Analysis	353.2		1	781949	USJM	ELLE	03/12/26 12:43
Total/NA	Analysis	4500 S2 F-2011		1	783498	USE1	ELLE	03/16/26 12:53

Client Sample ID: PH-MW-66(03112026)

Lab Sample ID: 410-269654-4

Date Collected: 03/11/26 13:30

Matrix: Water

Date Received: 03/11/26 18:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C DOD		1	785320	VY7Q	ELLE	03/19/26 02:57
Total/NA	Prep	RSK-175			781967	HQR6	ELLE	03/12/26 15:05
Total/NA	Analysis	RSK-175		1	781718	LXF2	ELLE	03/12/26 23:16

Eurofins Lancaster Laboratories Environment Testing, LLC

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Defense Supply Center Philadelphia 2024

Job ID: 410-269654-1

Client Sample ID: PH-MW-66(03112026)

Lab Sample ID: 410-269654-4

Date Collected: 03/11/26 13:30

Matrix: Water

Date Received: 03/11/26 18:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	RSK-175			782526	HQR6	ELLE	03/13/26 11:38
Total/NA	Analysis	RSK-175		1	782422	LXF2	ELLE	03/13/26 20:29
Total/NA	Prep	8011			783147	USL7	ELLE	03/15/26 23:31
Total/NA	Analysis	8011		1	783836	M6UH	ELLE	03/17/26 11:30
Total/NA	Prep	8015 DAI			782492	WZ6J	ELLE	03/13/26 10:39
Total/NA	Analysis	8015D		1	782578	WZ6J	ELLE	03/13/26 21:26
Total/NA	Analysis	300.0		1	787272	KJQ8	ELLE	03/22/26 23:12
Dissolved	Prep	Non-Digest Prep			782234	UAMX	ELLE	03/13/26 10:00
Dissolved	Analysis	6020B		1	782848	I9IN	ELLE	03/13/26 18:45
Total Recoverable	Prep	3005A			782130	UJL8	ELLE	03/13/26 01:20
Total Recoverable	Analysis	6020B		1	782848	I9IN	ELLE	03/13/26 18:59
Total Recoverable	Prep	3005A			783185	UAMX	ELLE	03/16/26 07:30
Total Recoverable	Analysis	6020B		1	783792	I9IN	ELLE	03/16/26 20:24
Total/NA	Analysis	353.2		1	782879	JA6S	ELLE	03/14/26 00:08
Total/NA	Analysis	353.2		1	781902	NLE3	ELLE	03/12/26 12:48
Total/NA	Analysis	353.2		1	781949	USJM	ELLE	03/12/26 12:48
Total/NA	Analysis	4500 S2 F-2011		1	783498	USE1	ELLE	03/16/26 12:53

Client Sample ID: DUP01-(03112026)

Lab Sample ID: 410-269654-5

Date Collected: 03/11/26 00:00

Matrix: Water

Date Received: 03/11/26 18:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C DOD		1	785320	VY7Q	ELLE	03/19/26 04:48
Total/NA	Analysis	8260C DOD	DL	10	785320	VY7Q	ELLE	03/19/26 05:11
Total/NA	Prep	RSK-175			781967	HQR6	ELLE	03/12/26 15:05
Total/NA	Analysis	RSK-175		1	781718	LXF2	ELLE	03/12/26 23:24
Total/NA	Prep	RSK-175			782526	HQR6	ELLE	03/13/26 11:38
Total/NA	Analysis	RSK-175		1	782422	LXF2	ELLE	03/13/26 20:46
Total/NA	Prep	RSK-175	DL		783533	HQR6	ELLE	03/16/26 14:10
Total/NA	Analysis	RSK-175	DL	50	783346	LXF2	ELLE	03/16/26 23:36
Total/NA	Prep	8011			783147	USL7	ELLE	03/15/26 23:31
Total/NA	Analysis	8011		1	783836	M6UH	ELLE	03/17/26 11:47
Total/NA	Prep	8015 DAI			782492	WZ6J	ELLE	03/13/26 10:39
Total/NA	Analysis	8015D		1	782578	WZ6J	ELLE	03/13/26 21:41
Total/NA	Analysis	300.0		1	787272	KJQ8	ELLE	03/23/26 02:57
Dissolved	Prep	Non-Digest Prep			783835	ZKHU	ELLE	03/17/26 18:45
Dissolved	Analysis	6020B		1	787119	SAM2	ELLE	03/22/26 17:49
Total Recoverable	Prep	3005A			782125	UAMX	ELLE	03/16/26 07:30
Total Recoverable	Analysis	6020B		1	783788	I9IN	ELLE	03/16/26 21:10
Total/NA	Analysis	353.2		1	782879	JA6S	ELLE	03/14/26 00:10
Total/NA	Analysis	353.2		1	781902	NLE3	ELLE	03/12/26 12:39
Total/NA	Analysis	353.2		1	781949	USJM	ELLE	03/12/26 12:39

Eurofins Lancaster Laboratories Environment Testing, LLC

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Defense Supply Center Philadelphia 2024

Job ID: 410-269654-1

Client Sample ID: DUP01-(03112026)

Lab Sample ID: 410-269654-5

Date Collected: 03/11/26 00:00

Matrix: Water

Date Received: 03/11/26 18:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	4500 S2 F-2011		1	783498	USE1	ELLE	03/16/26 12:53

Client Sample ID: PH-PH-2(03112026)

Lab Sample ID: 410-269654-6

Date Collected: 03/11/26 13:45

Matrix: Water

Date Received: 03/11/26 18:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C DOD		10	785320	VY7Q	ELLE	03/19/26 05:33
Total/NA	Analysis	8260C DOD	DL	100	785320	VY7Q	ELLE	03/19/26 05:55
Total/NA	Prep	RSK-175			781967	HQR6	ELLE	03/12/26 15:05
Total/NA	Analysis	RSK-175		1	781718	LXF2	ELLE	03/12/26 23:33
Total/NA	Prep	RSK-175			783533	HQR6	ELLE	03/16/26 14:10
Total/NA	Analysis	RSK-175		1	783346	LXF2	ELLE	03/17/26 00:14
Total/NA	Prep	RSK-175	DL		783533	HQR6	ELLE	03/16/26 14:10
Total/NA	Analysis	RSK-175	DL	100	783346	LXF2	ELLE	03/17/26 00:30
Total/NA	Prep	8011			783147	USL7	ELLE	03/15/26 23:31
Total/NA	Analysis	8011		1	783836	M6UH	ELLE	03/17/26 12:03
Total/NA	Prep	8015 DAI			782492	WZ6J	ELLE	03/13/26 10:39
Total/NA	Analysis	8015D		1	782578	WZ6J	ELLE	03/13/26 22:12
Total/NA	Analysis	300.0		1	787272	KJQ8	ELLE	03/23/26 02:35
Dissolved	Prep	Non-Digest Prep			782234	UAMX	ELLE	03/13/26 10:00
Dissolved	Analysis	6020B		1	782848	I9IN	ELLE	03/13/26 18:43
Total Recoverable	Prep	3005A			782130	UJL8	ELLE	03/13/26 01:20
Total Recoverable	Analysis	6020B		1	782848	I9IN	ELLE	03/13/26 18:57
Total/NA	Analysis	353.2		1	782879	JA6S	ELLE	03/14/26 00:16
Total/NA	Analysis	353.2		1	781902	NLE3	ELLE	03/12/26 12:42
Total/NA	Analysis	353.2		1	781949	USJM	ELLE	03/12/26 12:42
Total/NA	Analysis	4500 S2 F-2011		1	783498	USE1	ELLE	03/16/26 12:53

Client Sample ID: TB01(03112026)

Lab Sample ID: 410-269654-7

Date Collected: 03/11/26 14:45

Matrix: Water

Date Received: 03/11/26 18:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C DOD		1	785320	VY7Q	ELLE	03/18/26 22:51

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Arcadis US Inc.

Job ID: 410-269654-1

Project/Site: Defense Supply Center Philadelphia 2024

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015D	8015 DAI	Water	Ethanol (1C)
RSK-175	RSK-175	Water	CO2
Pennsylvania	NELAP	36-00037	01-31-27

Method Summary

Client: Arcadis US Inc.

Job ID: 410-269654-1

Project/Site: Defense Supply Center Philadelphia 2024

Method	Method Description	Protocol	Laboratory
8260C DOD	Volatile Organic Compounds (GC/MS)	SW846	ELLE
RSK-175	Dissolved Gases (GC)	RSK	ELLE
8011	EDB, DBCP, and 1,2,3-TCP (GC)	SW846	ELLE
8015D	Nonhalogenated Organic Compounds - Direct Injection (GC)	SW846	ELLE
300.0	Anions, Ion Chromatography	EPA	ELLE
6020B	Metals (ICP/MS)	SW846	ELLE
353.2	Nitrate by Calculation	EPA	ELLE
353.2	Nitrogen, Nitrate-Nitrite	EPA	ELLE
353.2	Nitrogen, Nitrite	EPA	ELLE
4500 S2 F-2011	Sulfide, Total	SM	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE
8011	Microextraction	SW846	ELLE
8015 DAI	Preparation, Direct Aqueous Injection	SW846	ELLE
Non-Digest Prep	Preparation, Non-Digested Aqueous Metals	EPA	ELLE
RSK-175	Dissolved Gases Prep	RSK	ELLE

Protocol References:

EPA = US Environmental Protection Agency

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique , RSKSOP-175,

Rev. 0, 8/11/94, USEPA Research Lab

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Arcadis US Inc.

Job ID: 410-269654-1

Project/Site: Defense Supply Center Philadelphia 2024

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
410-269654-1	PH-PH-21(03112026)	Water	03/11/26 10:10	03/11/26 18:25	Pennsylvania
410-269654-2	PH-RW-A(03112026)	Water	03/11/26 09:30	03/11/26 18:25	Pennsylvania
410-269654-3	PH-RW-A2(03112026)	Water	03/11/26 11:55	03/11/26 18:25	Pennsylvania
410-269654-4	PH-MW-66(03112026)	Water	03/11/26 13:30	03/11/26 18:25	Pennsylvania
410-269654-5	DUP01-(03112026)	Water	03/11/26 00:00	03/11/26 18:25	Pennsylvania
410-269654-6	PH-PH-2(03112026)	Water	03/11/26 13:45	03/11/26 18:25	Pennsylvania
410-269654-7	TB01(03112026)	Water	03/11/26 14:45	03/11/26 18:25	Pennsylvania



410-269654 Chain of Custody

[illegible]

Login Sample Receipt Checklist

Client: Arcadis US Inc.

Job Number: 410-269654-1

Login Number: 269654

List Number: 1

Creator: Renner, Melissa

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	False	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	
WV: Container Temp acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace $> 6\text{mm}$ in diameter (none, if from WV)?	True	

Sample Preservation Checks (performed by the laboratory)

Question	Answer	Comment
Did the sample containers checked meet expected preservation conditions?	False	Refer to Job Narrative for details.

Attachment 4:

Biovent-Biosparge Oxygenation Table

Attachment 4 - Oxygen Respiration and Utilization

Run times	Date and Time	85 Flow (dm)		85 Flow (cm)		85 Periodic Air (ft³/d)	Periodic Air (lbs)	85 Cumulative Air (lbs)	85 Periodic Air (ft³/d)	Periodic Air (lbs)	85 Cumulative Air (lbs)
		Group 1	Group 2	Group 1	Group 2						
7:15	01/03/2016 11:27:00	12.9	0.0	0.0	0.0	30,456	0	1,007,131	0	0	1,007,131
4:00	01/03/2016 11:31:00	12.7	0.0	0.0	0.0	27,456	0	1,007,131	0	0	1,007,131
3:12	01/03/2016 11:35:00	12.6	0.0	0.0	0.0	26,976	0	1,007,131	0	0	1,007,131
3:52	01/03/2016 13:01:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 13:05:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 13:09:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 13:13:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 13:17:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 13:21:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 13:25:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 13:29:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 13:33:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 13:37:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 13:41:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 13:45:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 13:49:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 13:53:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 13:57:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 14:01:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 14:05:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 14:09:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
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3:06	01/03/2016 14:29:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
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3:06	01/03/2016 14:45:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 14:49:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 14:53:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 14:57:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 15:01:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 15:05:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 15:09:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 15:13:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 15:17:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 15:21:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 15:25:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 15:29:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 15:33:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 15:37:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 15:41:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 15:45:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 15:49:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 15:53:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 15:57:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 16:01:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 16:05:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 16:09:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 16:13:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 16:17:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 16:21:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 16:25:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
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3:06	01/03/2016 16:41:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 16:45:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 16:49:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
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3:06	01/03/2016 16:57:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
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3:06	01/03/2016 17:33:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 17:37:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 17:41:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 17:45:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
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3:06	01/03/2016 17:57:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 18:01:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 18:05:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
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3:06	01/03/2016 18:21:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 18:25:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
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3:06	01/03/2016 18:45:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 18:49:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 18:53:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 18:57:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 19:01:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 19:05:00	12.6	0.0	0.0	0.0	119,326	0	1,007,131	0	0	1,007,131
3:06	01/03/2016 19:09:00										

Monitors
 BIV = biovent
 BIS = bioisopurge
 cu-ft = cubic foot
 cfm = cubic feet per minute
 lbs = pounds
 O₂ = oxygen
 VOC = volatile organic compound

1,203,221	343,777
lbs of O2 cumulative BV	theoretical amount of benzene degraded (lbs)

Total Pilot O2 added (lbs)	2,236,201
Total Theoretical Benzene Degraded (lbs)	639,515

BV	lbs of Oxygen		lbs of VOCs degraded as Benzene
	243,693	69,627	
04-2020	57,513	16,432	
01-2021	68,018	19,719	
03-2021	54,760	15,646	
04-2021	62,599	17,886	
01-2022	11,841	5,395	
02-2022	14,598	4,285	
03-2022	46,001	13,143	
04-2022	66,621	19,892	
01-2023	22,550	6,443	
02-2023	44,603	13,090	
03-2023	39,368	11,242	
04-2023	38,469	10,659	
01-2024	32,744	9,355	
02-2024	18,595	5,247	
03-2024	12,342	3,516	
04-2024	0	0	
01-2025	0	0	
02-2025	4,206	1,202	
03-2025	0	0	
04-2025	0	0	
01-2026	0	0	
02-2026	0	0	

BS	1,035,000	295,757	theoretical amount of benzene degraded (lbs)
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0.0175 lbs O₂ in cu-ft of air (Kuo 1999)

3.5 lbs O2 needed
to degrade 1 lb of
Benzene
(USEPA 2012)

85	lbs of Oxygen	lbs of VOCs degraded as Benzene
04-2020	89,713	25,632
01-2021	36,161	10,332
02-2021	26,731	7,637
03-2021	31,699	9,000
04-2021	47,728	13,637
01-2022	14,257	4,073
02-2022	1,494	427
03-2022	21,547	6,156
04-2022	47,259	13,503
01-2023	29,545	8,441
02-2023	23,635	6,701
03-2023	27,966	7,990
04-2023	27,373	7,816
01-2024	34,472	9,146
02-2024	26,769	7,595
03-2024	29,579	8,437
04-2024	45,840	13,097
01-2025	42,721	12,206
02-2025	33,466	9,562
03-2025	26,662	7,618
04-2025	27,608	7,888
01-2026	36,457	10,425

Attachment 5:

Newspaper Public Notification Affidavits

DSCP RIR and HHRA Newspaper Notification Proof of Publication

The South Philly Review

PROOF OF PUBLICATION IN THE SOUTH PHILLY REVIEW

Under Act No. 587, Approved May 16, 1929

**STATE OF PENNSYLVANIA
COUNTY OF PHILADELPHIA**

SS.: Copy of Notice of Publication

[REDACTED] being duly sworn, deposes and says that the South Philly Review Newspaper published weekly, in Philadelphia, Pennsylvania, and was established in said county in 1947, since which date said newspaper has been regularly issued in said County and that a copy of the printed notice or publication is attached hereto exactly as the same was printed or published in the regular editions and issues of the said newspapers on the following dates: viz: 18th day of March, A.D. 2026.

Affiant further deposed and says that he is an employee of the publisher of said newspaper and has been authorized to verify the foregoing statement and that she is not interested in the subject matter of the aforesaid notice of publication, and that all allegations in the foregoing statement as to time, place and character of publication are true.

[REDACTED]

Sworn to and subscribed before me this 19th day of March, A.D. 2026.

[REDACTED]

My Commission Expires 2/11/2027

[REDACTED]

[REDACTED]
Notary Public, State of New Jersey
Comm. # [REDACTED]
My Commission Expires 2/11/2027

DSCP RIR and HHRA Newspaper Notification Proof of Publication

The Philadelphia Inquirer

100 S. INDEPENDENCE MALL W, STE 800, PHILADELPHIA, PA 19106

DLA will open a 90-day public comment period beginning on April 29, 2026. Members of the public or interested parties may submit comments through July 28, 2026, on the RIR and HHRA, via email to DLA at DLAEnvPC@dlamail.mil.

DSCP RIR and HHRA Newspaper Notification Proof of Publication

Metro Philadelphia



PROOF OF PUBLICATION OF NOTICE

In the matter of

Public Meeting

STATE OF PENNSYLVANIA

Arcadis

██████████, being duly sworn, on oath says that he/she is the publisher or authorized agent and employee of the publisher of the weekly newspaper known as **METRO PHILADELPHIA**, printed and published at the City of Philadelphia, in Philadelphia County, and that the notice, a printed copy of which is hereto annexed, is taken from said paper, in which it was published on:

Wednesday, March 11, 2026

Signed: _____

Title: General Manager

Subscribed and sworn to before me on this 11th day of March, 2026.

Notary Public: _____

Printed Name: _____

My Commission Expires: 2/11/2027



Seres – Arcadis SB JV, LLC
669 Marina Drive Suite B-7
Charleston
South Carolina 29492
Phone: 410 987 0032
Fax: 410 799 2533
www.arcadis.com