

SWMU 26 CORRECTIVE ACTION COMPLETION REPORT

**SOLID WASTE MANAGEMENT UNIT (SWMU) 26, FORMER
724TH TANKER PURGING STATION
EPA ID # GA9 210 020 872 (HQAES SITE ID# 13305.1072)**

**ENVIRONMENTAL REMEDIATION SERVICES
FORT STEWART, GEORGIA**

May 2023

Prepared for:



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Fort Stewart
SWMU 26 Corrective Action Completion Report
SMWU 26, Former 724th Tanker Purging Station
Fort Stewart, Georgia; EPA ID # GA9 210 020 872 (HQAES SITE ID# 13305.1072)
Environmental Remediation Services
Contract Number: W9124J-18-D-0004 / W9124J-20-F-0049



2 May 2023

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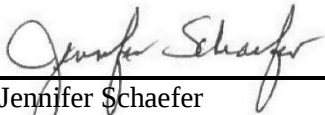
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GEORGIA REGISTERED PROFESSIONAL ENGINEERING CERTIFICATION

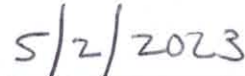
I certify that I am a qualified professional engineer who has received a baccalaureate or post-graduate degree in engineering and have sufficient training and experience in environmental engineering and related fields, as demonstrated by state registration and completion of accredited university courses, to enable me to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport. I further certify that this report was prepared by myself or by a subordinate working under my direction.

Name: C. Scott Bostian, P.E.

License Number: 026133

Expiration Date: December 31, 2024





C. Scott Bostian, P.E.

Date

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ACRONYMS AND ABBREVIATIONS

%	Percent
µg/kg	micrograms per kilogram
µg/L	micrograms per liter
Arcadis	Arcadis U.S., Inc.
AST	above ground storage tank
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylenes
CAP	Corrective Action Plan
COC	Constituents of concern
cy	cubic yard
DPT	Direct Push Technology
Earth Tech	Earth Tech, Inc.
ECC	Environmental Chemical Corporation
ft	Feet
ft/ft	feet per foot
GAEPD	Georgia Environmental Protection Division
IDW	investigation-derived waste
MCL	USEPA Maximum Contaminant Level
MTBE	Methyl tert-butyl ether
O&M	Operation and Maintenance
PPE	Personal Protective Equipment
QA/QC	Quality assurance/quality control
RCRA	Resource Conservation and Recovery Act
RFA	RCRA Facility Assessment
RFI	RCRA Facility Investigation
RL	remedial levels
SAIC	Science Application International Corporation
SSRG	Site-specific Remedial Goal
SWMU	Solid Waste Management Unit
TPS	Tanker Purging Station
USAEC	United States Army Environmental Command
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compounds

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1.0 INTRODUCTION

Environmental Chemical Corporation (ECC) has been retained by the United States Army Environmental Command (USAEC) to perform investigation and remediation activities at Fort Stewart in accordance with the requirements of the Performance Based Contract Number: W9124J-18-D-0004, Delivery Order Number W9124J-20-F-0049.

Fort Stewart, originally known as Camp Stewart, was established in June 1940 as an anti-aircraft artillery training center. The current primary mission for Fort Stewart is a training and maneuver area, providing tank, field artillery, helicopter gunnery, and small arms training for regular Army and National Guard units. The 24th Infantry Division, which was reflagged as the 3rd Infantry Division in May 1996, was permanently stationed at Fort Stewart in 1975.

Fort Stewart is located in portions of Liberty, Bryan, Long, Tattnall, and Evans Counties, Georgia, approximately 40 miles west-southwest of Savannah, Georgia. The cantonment, or garrison area, is located within the Liberty County portion on the southern boundary of the reservation. Hinesville, Georgia, is the nearest city to the garrison area and is located immediately outside of the reservation boundary. **Figure 1-1** shows the location of Fort Stewart and the Former 724th Tanker Purging Station (TPS), Solid Waste Management Unit (SWMU) 26 (Site).

This Corrective Action Completion Report provides a summary of the final semi-annual monitoring and sampling events conducted in June/July and October 2021 in accordance with the current approved CAP Addendum for the Former 724th TPS, SWMU 26 (Arcadis U.S., Inc. [Arcadis], 2010) and approved modifications to the sampling plan. The 2021 sampling events completed three years of sampling results below regulatory goals. Corrective action activities at SWMU 26 were performed in accordance with Section III of the Hazardous Waste Facility Permit No. HW-045 (S), issued by the Georgia Environmental Protection Division (GAEPD) in August 2017.

1.1 Site Location and History

The Former 724th TPS was used to clean tanker trailers that carried diesel fuel, jet propulsion fuel, and motor gasoline. The Former 724th TPS is located in the western cantonment area in the 1800 block of McFarland Avenue, at the western end of the fuel truck parking area. The Former 724th TPS occupied an area approximately 30 feet (ft) by 50 ft (Rust, 1996) located between the chain-link fence at the parking area (western end) and the wooded area approximately 25 ft to the west (**Figure 1-2**). The former Site facilities included an underground used oil tank and oil/water separator; an above ground storage tank (AST) that received water after oil/water phase separation; and an underground pump with surface access and pumping controls for pumping water into the AST.

The Former 724th TPS was constructed in 1982 and taken out of service in March 1996. During August 1996, the purging station was dismantled, a portion of the underground facilities were removed, and approximately 525 cubic yards of impacted soil were excavated and replaced with clean backfill. Soil was excavated to the water table at the former facility (approximate depth of three to 10 ft) and to a depth of six inches in the adjacent ditch. All associated equipment, above and below ground, was removed from the Site during removal activities.

1.2 Site Geology

The Site geology at SWMU 26 is characterized by an interbedded series of sands and clay, with the sandy units ranging from clayey sand to sand with a low percentage (less than 10 percent [%]) of silt and clay. The clay units, in general, are comprised of medium to high plasticity clay with a low percentage of sand-

sized grains. The lithologies described at SWMU 26 are consistent with those anticipated for this region of the Coastal Plain. Three cross-sections have been prepared for the Site. The locations of the cross sections are shown on **Figure 1-3**. Cross-section A-A' originates at the edge of the biosparge system, at monitoring well MW-32, and trends to the east-northeast to soil boring SB-41 (**Figure 1-4**). Interbedded sands and clay extend to approximately 25 ft below ground surface (bgs) and clay and sandy clay units begin at approximately 25 ft bgs. In the western portion of the cross section, a calcareous marine shell-bearing unit of soft clay was identified between approximately 25 to 30 ft bgs. This unit was underlain by a firm, sandy clay unit. Cross-section B-B' originates northwest of the December 2010 excavation and MW-15R and extends southeast to approximately 30 ft north of MW-11 (**Figures 1-3 and 1-5**). Interbedded sand and clay units extend to a depth of approximately 28 ft bgs. Cross-section C-C' originates at monitoring well MW-55 and trends south to monitoring well MW-18 (**Figure 1-6**). Interbedded sand and clay units extend to a depth of approximately 24 ft bgs. In the southern portion of the cross section, a calcareous marine shell-bearing unit of soft clay was identified between approximately 25 to 30 ft bgs. This unit was underlain by a firm, sandy clay unit.

The cross sections were constructed using available boring logs presented in the historical CAP Progress Reports. Boring logs from monitoring wells, soil borings, temporary piezometers, and injection wells were used to create the cross sections.

1.3 Report Organization

This report contains six sections, including the introduction:

- **Section 1: Introduction** – summarizes the Site location and provides a brief history.
- **Section 2: Previous Investigations and Corrective Actions** – provides a summary of the previous investigations and corrective actions conducted at the Site.
- **Section 3: Post-Corrective Action- Final Confirmation Sampling Events (Period June 2021 through October 2021)** – summarizes the final confirmation sampling activities conducted during the final reporting period.
- **Section 4: Results and Analysis of Trends and Performance** – summarizes the June/July 2021 and October 2021 groundwater monitoring results.
- **Section 5: Conclusions and Recommendations.**
- **Section 6: References** – lists the references utilized to prepare this report.

2.0 PREVIOUS INVESTIGATIONS AND CORRECTIVE ACTIONS

A detailed summary of previous investigations and corrective actions (July 1997 through September 2008) is provided in the *Phase II Resource Conservation Recovery Act (RCRA) Facility Investigation (RFI)* (Science Application International Corporation [SAIC], 1998), the *CAP* (SAIC, 2000), the *Final Interim Removal Action Report* (Earth Tech, Inc. [Earth Tech], 2001), and the *Thirteenth CAP Progress Report* (SAIC, 2009). A summary is provided below.

2.1 RCRA Facility Assessment

A RCRA Facility Assessment (RFA), that listed 24 SWMUs as requiring further investigation including the then active 724th TPS, was submitted to the GAEPD in June 1990 (Geraghty and Miller, 1992).

2.2 Phase I RFI

A Phase I RFI was initiated in 1993 in response to the RFA submittal. The objective of the Phase I RFI was to determine if releases to the environment had occurred from any of the 24 identified SWMUs, including potential contamination due to fuel leakage at the Former 724th TPS Site. The Phase I RFI was completed in April 1996. Analytical results from soil sampling conducted during the Phase I RFI at the Former 724th TPS indicated fuel product and solvent impacts in the soil (SAIC, 1998). During August 1996, the TPS was dismantled, the underground facilities were removed, and approximately 525 cubic yards (cy) of impacted soil were excavated and replaced with clean backfill. The Site was then reseeded (SAIC, 1998).

2.3 Phase II RFI

Between 1997 and 1998, a Phase II RFI was conducted to delineate the horizontal and vertical extent of impacts and to determine if corrective action was necessary. During the investigation, free phase petroleum product was discovered at monitoring well MW-02 in the center of the former facility. Free product recovery was initiated to remove the product. Benzene, toluene, ethylbenzene, and xylene (BTEX) compounds were detected above the United States Environmental Protection Agency (USEPA) maximum contaminant levels (MCLs) in the shallow aquifer near the source.

Remedial levels (RLs) were established for BTEX in groundwater and soil during the Phase II RFI. The groundwater RL for benzene is 5 micrograms per liter (µg/L), toluene is 1,000 µg/L, ethylbenzene is 700 µg/L, and xylenes are 10,000 µg/L. The RLs for groundwater are based on MCLs. The soil RLs are based on leaching from soil to groundwater at levels exceeding MCLs. The soil RL for benzene is 20 micrograms per kilogram (µg/kg), toluene is 4,200 µg/kg, ethylbenzene is 3,100 µg/kg, and xylenes are 31,700 µg/kg (SAIC, 1998).

2.4 PHOSter® II Enhanced Bioremediation and Source Area Excavation

Due to the presence of free product and BTEX detections in groundwater above MCLs, a CAP was developed for a PHOSter® II enhanced bioremediation system. The PHOSter® II enhanced bioremediation system began operation in February 2000 and was expanded in March 2000 (SAIC, 2009). Despite the PHOSter® injections, the lateral area of the groundwater plume continued to increase. Based on groundwater sample results, it was determined that a potential source area still existed inside the motor pool, where the CAP indicated the highest benzene concentration in soil was located.

A second soil excavation was conducted in January 2001 to remove 2,274 tons of impacted soil not addressed during the 1996 excavation. During the excavation, a pipe that contained product and product-saturated soil was discovered near MW-02. Closure records for the Former 724th facilities did not indicate

the presence of remaining underground piping. Post-excavation confirmatory sampling indicated contamination above RLs remained at the bottom of the excavation and along the northwest wall of the excavation (Earth Tech, 2001).

Additional PHOSter® II injection wells were installed in March 2001 to replace wells destroyed during excavation activities. A final system expansion was completed in April 2001. Injections continued until January 2002, when the PHOSter® II trailer was taken out of service after two years of operation (SAIC, 2009). Although the groundwater concentrations were decreasing, there was concern that the impacts remaining in the clay layer at the bottom of the 2001 excavation were potentially a continuing source of groundwater contamination. Between 2002 and 2007, additional soil investigations were conducted to evaluate the impacts remaining within the clay at the source area (the bottom of the excavation).

2.5 CAP Addendum

In May 2009, a CAP Addendum was submitted to address residual impacts in the soil and deep groundwater at SWMU 26. As part of the addendum, an excavation of soil impacts remaining in the clay layer in the source area was recommended. In groundwater, benzene was the only constituent above the RL. The highest detections were in deep groundwater downgradient of the source area. To expedite the attenuation of benzene in deep groundwater, a biosparge system was recommended in the Revised Final version of the CAP Addendum (Arcadis, 2010). The GAEPD approved the CAP Addendum in April 2010 (GAEPD, 2010).

2.6 DPT Investigation

In November 2009, six direct push technology (DPT) points were advanced in the vicinity of the source area (SB-58 through SB-63). The DPT investigation was conducted to confirm results from previous soil investigations, to characterize the soil prior to removal, and to better define the limits of a proposed excavation to remove the remaining impacted soil in the source area. During the investigation, two samples from each boring were collected at intervals determined with field screening equipment and a third sample was collected from the bottom of each boring. Samples were transported via courier to Shealy Laboratory and analyzed for volatile organic compounds (VOCs) by USEPA Method 8260B.

Soil borings SB-60 and SB-61 were collected within the proposed excavation area. Soil borings SB-58, SB-59, SB-62, and SB-63 were collected just outside the proposed excavation area to confirm the proposed excavation extent. The samples collected from the soil borings outside of the proposed excavation limits were all below the Site RLs for soil. The benzene and ethylbenzene concentrations in soil borings SB-60 and SB-61, which were collected within the proposed excavation limits, exceeded the Site RL of 20 µg/kg and 3,100 µg/kg, respectively. The sample from soil boring SB-60, taken at the depth interval 11 to 12 ft bgs, also exceeded the Site RL of 31,700 µg/kg for xylenes. The excavation area is shown on **Figure 1-2**.

2.7 Corrective Actions Conducted October 2010 through June 2011

The Sixteenth CAP Progress Report (Arcadis, 2012) summarized the corrective action activities proposed in the CAP Addendum (Arcadis, 2010) including excavation, a biosparge pilot test, and the installation of the biosparge system. Site-wide groundwater level measurements collected in June 2010 and April 2011, and data from samples collected in April 2011 were included in the report.

The excavation was conducted in December 2010 and January 2011. The top six feet of soil was visually inspected, segregated, and stockpiled to be reused as backfill. Groundwater was encountered at approximately 11.5 to 12 ft bgs. The soil was excavated to approximately 12 ft bgs. Several large concrete

structures (presumably related to the former tanker purging equipment) were unearthed at depths of six to 12 ft bgs. The concrete structures were removed and transported off-site for disposal. Soils surrounding these structures were impacted based on visual and olfactory observations. The visually impacted soils were removed. These soils are presumed to have been the continuing source area of the recalcitrant groundwater impacts. A total of 6,092 tons of impacted soil was taken off-site for disposal. Confirmation samples collected from the sidewalls of the excavation were below the remedial objectives identified in the CAP Addendum. Confirmation samples collected from the base of the excavation reported concentrations of BTEX above the remedial objectives toward the center and southwest corner of the excavation. Calcium peroxide granules were placed at the bottom of the excavation as an *in-situ* soil additive to promote oxidation in the subsurface and increase the natural bioremediation process for any residual impacts remaining in the soil. A total of 2,000 pounds of calcium peroxide was placed in the base of the excavation with a focus on the center and southwest corners. The calcium peroxide was mixed with the base soils using the track-hoe bucket. Prior to the excavation, monitoring wells MW-06, MW-08, MW-15, MW-24, MW-25, MW-27, MW-28, and MW-36, located within the excavation limits, were abandoned. Following the excavation, replacement monitoring wells MW-06R, MW-15R, MW-24R, MW-25R, MW-28R, and MW-36R were installed, as well as two new monitoring wells, MW-58 and MW-59 (**Figure 1-2**).

A biosparge pilot test was conducted on 26 and 27 October 2010 to evaluate the injection flow rates, pressures, and overall effectiveness of biosparging at SWMU 26. The test was conducted using one injection well and 12 surrounding monitoring wells. The 12 monitoring wells were installed in clusters of three wells per cluster, at distances of five to 20 ft from the injection well to monitor the radius of influence at various distances and depths. The pilot test confirmed that biosparge is a viable technology for SWMU 26. Based on the results of the pilot test, a full-scale design was developed including 17 injection wells which were screened within the known area of the benzene plume, in the deep portion of the upper aquifer.

Prior to installation of the full-scale system, baseline groundwater samples were collected in April 2011. No shallow wells exceeded the RL for benzene in April 2011. Deep monitoring wells MW-38, MW-50, MW-54, and MW-55 exceeded the RL for benzene during the monitoring event. The full scale biosparge system was installed in May and June 2011 and the system was started in June 2011.

2.8 Corrective Actions Conducted June 2011 through May 2016

The biosparge system operated continuously with a few exceptions due to mechanical or electrical problems that were subsequently repaired until it was turned off on 30 May 2016 with concurrence of GAEPD. During Operation and Maintenance (O&M) events, a YSI 556 multiparameter system was used to collect readings of temperature, specific conductance, dissolved oxygen content, pH, and oxidation reduction potential in monitoring wells. Operational parameters were recorded for the system and each biosparge well. In October 2011, flow meters were installed in-line at each injection well. Valves at each injection well were adjusted to control the flow going into each injection well as necessary to optimize influence throughout the plume for treatment. O&M site visits were stopped at the end of December 2014 pending contract award, and were restarted on 18 and 19 May 2015. Redevelopment of six shallow monitoring wells (MW-19, MW-31, MW-32, MW-41, MW-47, and MW-49) was completed during March 2016 due to observation of high turbidity during previous sampling events. Concentrations had decreased to near, or below, the RL for benzene, methyl tert-butyl ether (MTBE), and naphthalene. Therefore, the biosparge system was turned off the week of 30 May 2016 for post-remediation monitoring with the concurrence of GAEPD. Subsequent data did not indicate any significant increases in concentrations and the system remained off with GAEPD approval.

2.9 Corrective Actions Conducted October 2016 through October 2020

Post-remediation monitoring of concentration trends in accordance with the CAP and GAEPD approved modifications continued during this period. All constituent concentrations were below the applicable USEPA MCL or Site-Specific Remedial Goals (SSRG) during 2019 and 2020.

3.0 POST-CORRECTIVE ACTION- FINAL CONFIRMATION SAMPLING EVENTS (PERIOD JUNE 2021 THROUGH OCTOBER 2021)

3.1 Groundwater Sampling and Data Management

During this reporting period, semiannual groundwater monitoring events were conducted in June/July and October 2021 in accordance with the CAP and GAEPD approved modifications. Prior to initiating the groundwater sampling event, site-wide groundwater level measurements were collected from existing monitoring wells on 29 June 2021, and 29-30 September 2021. The groundwater level measurements are summarized in **Table 3-1**. Potentiometric maps for both the shallow and deeper intervals of the surficial aquifer for June 2021 and September 2021 are included as **Figure 3-1** through **Figure 3-4**, respectively. Groundwater samples were collected from the select monitoring wells listed in the approved sampling program (**Table 3-2**). The June/July and October 2021 analytical data is included in **Table 3-3** and presented in **Figure 3-5** and **Figure 3-6**. Field data collected from the June/July and October groundwater sampling events are presented in **Table 3-4**. Sampling data sheets are included in **Appendix A**.

3.1.1 Groundwater Sampling Events

A total of 18 monitoring wells were included in the June/July 2021 groundwater monitoring and sampling events in accordance with the approved modified Sampling Plan for the sampling event. The modified Sampling Plan was approved by GAEPD in an email dated 6 June 2018 (GAEPD, 2018a) prior to the Spring 2018 Semiannual Sampling Event and in the subsequent approval letter for the 24th CAP Progress Report (GAEPD, 2018b). All samples were analyzed for BTEX, MTBE, and naphthalene by USEPA Method 8260B in accordance with the GAEPD approved sampling plan.

After the June/July 2021 sampling event, the ECC Team proposed that SWMU 26 be considered for site closure. GAEPD requires three consecutive years of results below the applicable USEPA MCL or SSRG for site closure. Therefore, an expanded sampling scope was proposed for the October 2021 sampling event to ensure SWMU 26 would meet the requirements for site closure. The scope for the October 2021 sampling event included the following monitoring wells: monitoring wells in the currently approved sampling plan (18 wells); monitoring wells that were removed from the sampling plan in 2006 with approval of GAEPD (seven wells); and monitoring wells not in the current sampling plan that have had an exceedance since 2010 (one well). This scope included a total of 26 monitoring wells to be sampled for BTEX, MTBE, and naphthalene. Concurrence by GAEPD was obtained prior to the October 2021 sampling event to confirm the specific closure requirements for SWMU 26 and ensure the proposed scope for the October 2021 sampling event would support site closure. One monitoring well (MW-08) included in the October 2021 sampling scope was determined to have been abandoned in October 2010 prior to source excavation. (Note: Well MW-08 was removed from the sampling plan in 2006 with approval of GAEPD.) Therefore, 25 monitoring wells were sampled during the October 2021 event.

Groundwater sampling was performed using low-flow, or micropurge, procedures in accordance with *Groundwater Sampling Operating Procedure, Number SESDPROC-301-R4* (USEPA, 2017). The sampling procedures utilized for the semiannual groundwater monitoring events were evaluated to optimize sample quality since some wells had exhibited high turbidity or unstable water quality parameters during previous sampling events.

All samples were transported, via field sampler to TestAmerica Laboratories, Inc. in Savannah, Georgia (National Environmental Laboratory Accreditation Conference No. E87052). Laboratory analytical data packages from this event are included in **Appendix B**.

3.1.2 Data QA/QC and Validation

The field Quality Assurance/Quality Control (QA/QC) samples included trip blanks and field duplicates. One trip blank was collected for each sample cooler transporting samples for VOC analysis. A field duplicate sample is a second sample collected at the same location as the original sample. A field duplicate was collected at a rate of one per twenty samples. Laboratory quality assurance protocols included the performance of laboratory control samples and matrix spikes relating to method acceptance criteria.

Analytical data were evaluated in accordance with applicable USEPA SW-846 method requirements, “USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review” (November 2020), analytical method control criteria, the analytical laboratory Quality Assurance Control Limits, the Hunter Army Airfield Quality Assurance Project Plan (Arcadis, 2014) and professional judgment. The purpose of the data quality evaluation was to determine the reliability of the chemical analyses and the accuracy and precision of information acquired from the laboratory. Data quality was assessed through the review and evaluation of field sampling activities, QC samples, and data associated with the chemical analytical results. The complete results of the data quality evaluation are provided in **Appendix B**.

The data verification was performed at a Level II and included review of data package completeness. QA/QC results and analytical data associated with analytes/compounds of interest were reviewed for this validation.

4.0 RESULTS AND ANALYSIS OF TRENDS AND PERFORMANCE

4.1 Groundwater Elevation Data

The hydrology at SWMU 26 has been characterized by groundwater monitoring wells installed across the Site at two different depth intervals. The total depth (bottom of the screened interval) of shallow monitoring wells ranges from 12.0 to 16.95 ft bgs, while the total depth (bottom of the screened interval) of deep monitoring wells ranges from 21.7 to 41.0 ft bgs. Potentiometric maps for the shallow and deeper intervals of the surficial aquifer for June 2021 are included as **Figures 3-1** and **3-2**, respectively. Potentiometric maps for the shallow and deeper intervals of the surficial aquifer for September 2021 are included as **Figures 3-3** and **3-4**, respectively.

Generally, the water table elevation increased between June 2021 and September 2021. This is typical of the seasonal water table variations at the site. The groundwater table elevation increased an average of 1.84 ft in the shallow portion of the surficial aquifer and 2.04 ft in the deeper portion of the surficial aquifer between June 2021 and September 2021.

Groundwater flow in the shallow portion of the surficial aquifer across the site was generally toward the southwest with an approximate gradient of 0.0043 feet per foot (ft/ft) in June 2021 and 0.0036 ft/ft in September 2021. The shallow potentiometric maps indicated potentiometric lows at the wells on the west side of the area (MW-40) and further west (MW-05) and a potentiometric high at MW-16 in June 2021. The potentiometric high during September 2021 was also at monitoring well MW-16.

The potentiometric map for the deeper wells in the surficial aquifer indicated groundwater lows at MW-58 and further west at MW-60 in both June 2021 and September 2021. Based on the heterogeneous nature of the sand and semi-confining units at the Site, the variability in elevations across the Site is likely related to the wells being screened in different stratigraphic units within the surficial aquifer. The characteristics noted on the potentiometric map for the deeper interval were generally consistent with previously reported groundwater elevations. Groundwater flow in this zone was variable with overall flow across the site generally to the south-southwest. The horizontal hydraulic gradient across the site for flow to the south-southwest for the deep zone was approximately 0.0025 ft/ft in June 2021 and 0.0013 ft/ft in September 2021.

4.2 Groundwater Analytical Results

During the June/July 2021 monitoring event and October 2021 monitoring event, benzene was not reported above detection limits in the sampled shallow or deep wells. The USEPA MCL for benzene is 5 µg/L.

MTBE was added to the monitoring program in October 2011. In a letter dated 5 February 2016, the GAEPD approved the SWMU 26 Nineteenth CAP Progress Report that recommended a SSRG for MTBE of 59 µg/L. MTBE was not detected above the SSRG in the sampled shallow or deep wells during the June/July 2021 monitoring event. The maximum concentrations of MTBE detected during the June/July 2021 sampling event in the shallow zone was at MW-51 (14 µg/L) and in the deep zone at MW-43 (49 µg/L). MTBE was not detected above the SSRG in the sampled shallow or deep wells during the October 2021 monitoring event. The maximum concentrations of MTBE detected in the shallow zone during the October 2021 sampling event was at MW-51 (16 µg/L) and in the deep zone at MW-43 (40 µg/L).

Naphthalene was added to the monitoring program in October 2013. In a letter dated 5 February 2016, the GAEPD approved a SSRG for naphthalene of 6.1 µg/L. During the June/July 2021 monitoring event, naphthalene was not detected above detection limits or SSRG in any of the sampled shallow or deep zone

wells. During the October 2021 monitoring event, naphthalene was detected above laboratory detection limits (0.76 J µg/L at MW-18) in the shallow zone but was not detected above the SSRG in any of the sampled shallow or deep zone wells.

The concentrations of toluene, ethylbenzene, and xylenes remained below the MCLs at the wells sampled during this reporting period; with no concentrations above detection limits. **Figure 3-5** and **Figure 3-6** depict the concentrations of BTEX, MTBE, and naphthalene detected in shallow and deep groundwater, respectively. **Appendix C** includes benzene and MTBE concentration graphs for select wells that are sampled semiannually. Field parameters from the June/July 2021 and October 2021 sampling event are shown in **Table 3-4**.

4.3 Groundwater Quality Trends and System Performance

In accordance with the approved CAP, the current remedy for SWMU 26 is biosparge and natural attenuation. The biosparge system was turned off the week of 30 May 2016 with the concurrence of GAEPD and has not been operated since with transition to natural attenuation. Natural attenuation is the reliance on natural physical, chemical, and/or biological processes to achieve site-specific remediation objectives (USEPA, 1999). Stable or decreasing trends in the concentrations of hydrocarbon constituents represent the primary line of evidence for natural attenuation of petroleum hydrocarbons in groundwater.

To verify that the dissolved-phase plume is stable or shrinking, groundwater constituents of concern (COC), specifically BTEX and MTBE concentrations, were evaluated through time at monitoring wells located throughout the plume. There have never been any exceedances of the naphthalene SSRG, so naphthalene trends were not evaluated.

Linear regression analyses using available historical groundwater monitoring data were conducted for monitoring wells where concentrations have exceeded the RL. RLs for benzene, toluene, ethylbenzene, total xylenes, and MTBE are 5 µg/L, 1,000 µg/L, 700 µg/L, 10,000 µg/L, and 59 µg/L, respectively. Trends were not evaluated at monitoring locations where:

- Concentrations have not exceeded the screening levels since May 2016, when the biosparge system was turned off;
- Insufficient data are available (less than eight data points); and/or
- Greater than 50% of the results are below detection limits.

Groundwater analytical data are available at the site as early as 2000 through October 2021. However, for the purposes of this evaluation; trend analyses were performed using post-operational data collected after May 2016, after the biosparge system was turned off. This data range was specifically selected to allow assessment of rebound after biosparge operation and of post-operational natural attenuation. Linear regression trend analyses were focused on MTBE concentrations. All other COC were screened out based on the criteria above. A total of 18 monitoring wells were sampled in the groundwater monitoring and sampling event in June/July 2021 and a total of 25 monitoring wells were sampled in October 2021 event (**Section 3.1**). Applying the criteria for trend analysis, six wells were appropriate for analysis, while other wells exhibited results below the SSRGs or below detection limits for greater than 50% of the results.

Linear regression analyses using natural log normalized concentration data were conducted to evaluate trend direction and to estimate attenuation rates for the locations with significant decreasing concentration trends (USEPA, 2002). The attenuation rates and the projected year to reach the RL are reflective of timeframes after the biosparge system was turned off. Please note that all COC concentrations were below RLs in May and October 2019, June and October 2020, as well as June/July and October 2021. Attenuation

rates were calculated using post-operational data only. The p-value of the correlation provides a measure of the significance of the slope, or the correlation between the x and y variables. Correlations were accepted as significant at the 90% confidence level, indicated by a p-value of 0.1 or less. The trend direction was defined as decreasing if the slope of the trend line was negative and increasing if the slope of the trend line was positive. The R^2 value is a measure of how well the linear regression fits the site data; R^2 values closer to zero indicate weak model fits, while R^2 values closer to one indicate stronger model fits. Results with R^2 values less than 0.1, indicating substantial variability in the data, and which did not show statistically significant trends, were defined as having no apparent trend. Where non-detect results were included in linear regression analyses, the reporting limit was substituted.

The linear regression analyses were conducted in Microsoft® Excel following USEPA guidance (USEPA, 2002 and 2009). The monitoring wells currently included in the trend analysis are those wells with results of MTBE that exceed the SSRG after the biosparge system was turned off, as approved by the GAEPD on 5 February 2016 (59 µg/L). Results of the analyses are summarized in **Appendix D**. Overall, the linear regression analysis showed decreasing trends in MTBE concentrations at four of the six monitoring wells analyzed, with two locations showing no significant trend. The data indicated that the previous biosparge system operation and ongoing natural attenuation have successfully reduced concentrations of MTBE at the Site below the SSRG (RL) for MTBE. The specific trends for each aquifer are discussed in more detail below.

4.3.1 Shallow Aquifer

In June/July and October 2021, no monitoring wells in the shallow aquifer met the criteria described above for statistical analysis of MTBE. MTBE concentrations were below the RL (59 µg/L in groundwater) at all monitoring wells during the most recent sampling event in October 2021 and the previous sampling event in June/July 2021.

None of the monitoring wells in the shallow aquifer met the criteria for statistical analysis of benzene or naphthalene. No detections of BTEX were reported above laboratory detection limits in the shallow zone during the June/July or October 2021 monitoring events. No detections of naphthalene were reported above laboratory detection limits in the shallow zone during the June/July monitoring event, but one detection (MW-18) did occur during the October 2021 monitoring event. The data show that enhanced attenuation at the Site has successfully reduced concentrations to below the RLs in the shallow zone.

4.3.2 Deep Aquifer

A total of six monitoring wells (MW-39, MW-42, MW-43, MW-44, MW-55, and MW-57) in the deep aquifer met the criteria for linear regression analysis outlined above for MTBE. None of the wells met the criteria for benzene or naphthalene. Benzene and naphthalene were not detected in deep zone monitoring wells above the detection limit during the October 2021 monitoring event.

Statistically significant decreasing trends in MTBE concentrations were observed at four of the six monitoring wells with two wells having no trend (MW-43 and MW-57). MTBE concentrations at all monitoring wells in the deep aquifer are currently below the SSRG (RL). The downgradient wells have continued to show non-detect or decreasing MTBE concentrations indicating the plume in these areas is stable.

Overall, the results of the linear regression trend analyses demonstrate that the combined effects of the previous biosparge system operation and ongoing natural attenuation are decreasing the size and magnitude of the dissolved plume at the Site to below the RLs.

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5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

As recommended in the *CAP Addendum for the Former 724th TPS*, SWMU 26 (Arcadis, 2010) and reported in the *Sixteenth CAP Progress Report* (Arcadis, 2012), additional remedial actions were conducted to meet established RLs for soil and groundwater at SWMU 26. In order to meet established remedial criteria, source area soil was excavated and a biosparge system was installed to address COC impacts in deep groundwater (Arcadis, 2012). The effectiveness of the implemented remedial actions has been evaluated through semi-annual groundwater monitoring. Data indicate that the excavation was effective in removing the residual source mass in soil and that the biosparge system was effective in reducing COC concentrations in groundwater across the impacted area. The biosparge system was turned off at the end of May 2016 with GAEPD concurrence to evaluate COC rebound. Since May 2016, COC concentrations have not rebounded and have continued to decrease across the site.

The results from the June/July and October 2021 semi-annual groundwater monitoring events indicate that MTBE was not detected above the RL value of 59 µg/L, which was approved by the GAEPD in February 2016. MTBE has not been detected above the RL since 2018.

Additionally, benzene was not detected above the RL (MCL) of 5 µg/L in 2021. Benzene has not been detected above the applicable RL since 2014.

Naphthalene was only reported above the detection limit at one of the monitoring wells sampled during the October 2021 sampling event. When screened against the RL (GAEPD-approved SSRG) of 6.1 µg/L, all historical naphthalene concentrations detected at site monitoring wells do not exceed the RL.

SWMU 26 meets the GAEPD requirements to complete three years of sampling with COC results below the RL (USEPA MCLs or SSRGs) for site closure based on the results from the 2019 through 2021 sampling events presented in the *SWMU 26 Thirtieth Corrective Action Plan Progress Report* (ECC, 2022) which was approved by GAEPD in a letter dated May 16, 2022 (GAEPD, 2022). GAEPD approved No Further Action status for SWMU 26 in a letter dated February 2, 2023 (GAEPD, 2023). Upon approval of this Corrective Action Completion Report, a workplan for abandonment of monitoring wells on site and removal of the biosparge system and components will be developed and submitted for GAEPD approval.

5.2 Recommendations

The data from the most recent sampling event indicate continued decreases in COC concentrations in Site groundwater resulting from successful biosparge system operations and ongoing natural attenuation processes. Concentrations in site monitoring wells are below the RL for all COCs (benzene, MTBE, and naphthalene) for the third consecutive year (from 2019 through 2021).

SWMU 26 has met the GAEPD requirement to complete three years of sampling with results below RLs and is therefore recommended for site closure.

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6.0 REFERENCES

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TABLES

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Table 3-1
Groundwater Level Measurements - October 2011 - October 2021
SWMU 26, Former 724th Tanker Purging Station
Fort Stewart, Georgia

Well Number	Date Measured	Depth of Screened Interval (ft bgs)	Hydrologic Unit	Top of Casing Elevation (ft amsl)	Water Depth (ft btoc)	Water Elevation (ft amsl)	Difference (ft)
MW-01	10/17/11	4.0 - 14.0	Shallow	67.39	7.44	59.95	--
	04/16/12	4.0 - 14.0	Shallow	67.39	8.62	58.77	-1.18
	10/22/12	4.0 - 14.0	Shallow	67.39	6.14	61.25	2.48
	04/02/13	4.0 - 14.0	Shallow	67.39	4.44	62.95	1.70
	10/15/13	4.0 - 14.0	Shallow	67.39	4.97	62.42	-0.53
	04/23/14	4.0 - 14.0	Shallow	67.39	2.65	64.74	2.32
	09/09/14	4.0 - 14.0	Shallow	67.39	7.14	60.25	-4.49
	05/12/15	4.0 - 14.0	Shallow	67.39	3.85	63.54	3.29
	11/02/15	4.0 - 14.0	Shallow	67.39	6.71	60.68	-2.86
	04/19/16	4.0 - 14.0	Shallow	67.39	5.10	62.29	1.61
	10/24/16	4.0 - 14.0	Shallow	67.39	4.68	62.71	0.42
	06/06/17	4.0 - 14.0	Shallow	67.39	5.65	61.74	-0.97
	10/30/17	4.0 - 14.0	Shallow	67.39	4.48	62.91	1.17
	06/11/18	4.0 - 14.0	Shallow	67.39	4.61	62.78	-0.13
	10/22/18	4.0 - 14.0	Shallow	67.39	5.18	62.21	-0.57
	05/14/19	4.0 - 14.0	Shallow	67.39	6.16	61.23	-0.98
	10/10/19	4.0 - 14.0	Shallow	67.39	9.64	57.75	-3.48
	06/23/20	4.0 - 14.0	Shallow	67.39	3.26	64.13	6.38
	10/25/20	4.0 - 14.0	Shallow	67.39	5.20	62.19	-1.94
	06/29/21	4.0 - 14.0	Shallow	67.39	3.84	63.55	1.36
	09/29/21	4.0 - 14.0	Shallow	67.39	3.41	63.98	0.43
MW-03	10/17/11	4.0 - 14.0	Shallow	67.86	9.38	58.48	--
	04/16/12	4.0 - 14.0	Shallow	67.86	10.66	57.20	-1.28
	10/22/12	4.0 - 14.0	Shallow	67.86	8.23	59.63	2.43
	04/02/13	4.0 - 14.0	Shallow	67.86	4.88	62.98	3.35
	10/15/13	4.0 - 14.0	Shallow	67.86	6.50	61.36	-1.62
	04/23/14	4.0 - 14.0	Shallow	67.86	3.20	64.66	3.30
	09/09/14	4.0 - 14.0	Shallow	67.86	10.96	56.90	-7.76
	05/12/15	4.0 - 14.0	Shallow	67.86	4.66	63.20	6.30
	11/02/15	4.0 - 14.0	Shallow	67.86	9.90	57.96	-5.24
	04/19/16	4.0 - 14.0	Shallow	67.86	6.08	61.78	3.82
	10/24/16	4.0 - 14.0	Shallow	67.86	4.96	62.90	1.12
	06/06/17	4.0 - 14.0	Shallow	67.86	7.67	60.19	-2.71
	10/30/17	4.0 - 14.0	Shallow	67.86	5.03	62.83	2.64
	06/11/18	4.0 - 14.0	Shallow	67.86	5.76	62.10	-0.73
	10/22/18	4.0 - 14.0	Shallow	67.86	6.33	61.53	-0.57
	05/14/19	4.0 - 14.0	Shallow	67.86	7.79	60.07	-1.46
	10/10/19	4.0 - 14.0	Shallow	67.86	11.80	56.06	-4.01
	06/23/20	4.0 - 14.0	Shallow	67.86	4.21	63.65	7.59
	10/25/20	4.0 - 14.0	Shallow	67.86	5.92	61.94	-1.71
	06/29/21	4.0 - 14.0	Shallow	67.86	4.62	63.24	-0.41
	09/30/21	4.0 - 14.0	Shallow	67.86	4.31	63.55	1.61

Table 3-1
Groundwater Level Measurements - October 2011 - October 2021
SWMU 26, Former 724th Tanker Purging Station
Fort Stewart, Georgia

Well Number	Date Measured	Depth of Screened Interval (ft bgs)	Hydrologic Unit	Top of Casing Elevation (ft amsl)	Water Depth (ft btoc)	Water Elevation (ft amsl)	Difference (ft)
MW-05	10/17/11	5.0 - 15.0	Shallow	63.10	NM	NM	--
	04/16/12	5.0 - 15.0	Shallow	63.10	NM	NM	NA
	10/22/12	5.0 - 15.0	Shallow	63.10	NM	NM	NA
	04/02/13	5.0 - 15.0	Shallow	63.10	NM	NM	NA
	10/15/13	5.0 - 15.0	Shallow	63.10	NM	NM	NA
	04/23/14	5.0 - 15.0	Shallow	63.10	NM	NM	NA
	09/09/14	5.0 - 15.0	Shallow	63.10	Dry	NM	NA
	05/12/15	5.0 - 15.0	Shallow	63.10	7.34	55.76	NA
	11/02/15	5.0 - 15.0	Shallow	63.10	11.28	51.82	-3.94
	04/19/16	5.0 - 15.0	Shallow	63.10	9.94	53.16	1.34
	10/24/16	5.0 - 15.0	Shallow	63.10	8.25	54.85	1.69
	06/06/17	5.0 - 15.0	Shallow	63.10	11.04	52.06	-2.79
	10/30/17	5.0 - 15.0	Shallow	63.10	9.05	54.05	1.99
	06/11/18	5.0 - 15.0	Shallow	63.10	NM	NM	NA
	10/22/18	5.0 - 15.0	Shallow	63.10	11.25	51.85	-2.20
	05/14/19	5.0 - 15.0	Shallow	63.10	11.13	51.97	0.12
	10/10/19	5.0 - 15.0	Shallow	63.10	Dry (11.52 ^a)	NA	NA
	06/23/20	5.0 - 15.0	Shallow	63.10	6.67	56.43	4.46
	10/25/20	5.0 - 15.0	Shallow	63.10	10.56	52.54	-3.89
	06/29/21	5.0 - 15.0	Shallow	63.10	9.14	53.96	-2.47
	09/29/21	5.0 - 15.0	Shallow	63.10	7.84	55.26	2.72
MW-06	Well abandoned						
MW-06R *	10/17/11	3.0 - 13.0	Shallow	67.43	10.32	57.11	
	04/16/12	3.0 - 13.0	Shallow	67.43	9.51	57.92	0.81
	10/22/12	3.0 - 13.0	Shallow	67.43	7.25	60.18	2.26
	04/02/13	3.0 - 13.0	Shallow	67.43	5.25	62.18	2.00
	10/15/13	3.0 - 13.0	Shallow	67.43	5.92	61.51	-0.67
	04/23/14	3.0 - 13.0	Shallow	67.43	3.44	63.99	2.48
	09/09/14	3.0 - 13.0	Shallow	67.43	9.51	57.92	-6.07
	05/12/15	3.0 - 13.0	Shallow	67.43	4.72	62.71	4.79
	11/02/15	3.0 - 13.0	Shallow	67.43	8.44	58.99	-3.72
	04/19/16	3.0 - 13.0	Shallow	67.43	5.79	61.64	2.65
	10/24/16	3.0 - 13.0	Shallow	67.43	5.30	62.13	0.49
	06/06/17	3.0 - 13.0	Shallow	67.43	6.74	60.69	-1.44
	10/30/17	3.0 - 13.0	Shallow	67.43	5.17	62.26	1.57
	06/11/18	3.0 - 13.0	Shallow	67.43	NM	NM	NA
	10/22/18	3.0 - 13.0	Shallow	67.43	6.10	61.33	-0.93
	05/14/19	3.0 - 13.0	Shallow	67.43	7.16	60.27	-1.06
	10/10/19	3.0 - 13.0	Shallow	67.43	11.05	56.38	-3.89
	06/23/20	3.0 - 13.0	Shallow	67.43	4.45	62.98	6.60
	10/25/20	3.0 - 13.0	Shallow	67.43	6.08	61.35	-1.63
	06/29/21	3.0 - 13.1	Shallow	67.43	4.87	62.56	-0.42
	09/29/21	3.0 - 13.1	Shallow	67.43	4.53	62.90	1.55

Table 3-1
Groundwater Level Measurements - October 2011 - October 2021
SWMU 26, Former 724th Tanker Purging Station
Fort Stewart, Georgia

Well Number	Date Measured	Depth of Screened Interval (ft bgs)	Hydrologic Unit	Top of Casing Elevation (ft amsl)	Water Depth (ft btoc)	Water Elevation (ft amsl)	Difference (ft)
MW-07	10/17/11	5.25 - 15.25	Shallow	67.43	8.37	59.06	--
	04/16/12	5.25 - 15.25	Shallow	67.43	6.50	60.93	1.87
	10/22/12	5.25 - 15.25	Shallow	67.43	7.41	60.02	-0.91
	04/02/13	5.25 - 15.25	Shallow	67.43	4.52	62.91	2.89
	10/15/13	5.25 - 15.25	Shallow	67.43	5.76	61.67	-1.24
	04/23/14	5.25 - 15.25	Shallow	67.43	2.97	64.46	2.79
	09/09/14	5.25 - 15.25	Shallow	67.43	9.93	57.50	-6.96
	05/12/15	5.25 - 15.25	Shallow	67.43	3.97	63.46	5.96
	11/02/15	5.25 - 15.25	Shallow	67.43	8.98	58.45	-5.01
	04/19/16	5.25 - 15.25	Shallow	67.43	5.31	62.12	3.67
	10/24/16	5.25 - 15.25	Shallow	67.43	4.40	63.03	0.91
	06/06/17	5.25 - 15.25	Shallow	67.43	6.94	60.49	-2.54
	10/30/17	5.25 - 15.25	Shallow	67.43	4.57	62.86	2.37
	06/11/18	5.25 - 15.25	Shallow	67.43	5.08	62.35	-0.51
	10/22/18	5.25 - 15.25	Shallow	67.43	5.63	61.80	-0.55
	05/14/19	5.25 - 15.25	Shallow	67.43	7.11	60.32	-1.48
	10/10/19	5.25 - 15.25	Shallow	67.43	10.96	56.47	-3.85
	06/23/20	5.25 - 15.25	Shallow	67.43	3.65	63.78	7.31
	10/25/20	5.25 - 15.25	Shallow	67.43	5.49	61.94	-1.84
	06/29/21	5.25 - 15.25	Shallow	67.43	4.05	63.38	-0.40
	09/30/21	5.25 - 15.25	Shallow	67.43	3.85	63.58	1.64
MW-08	Well abandoned						
MW-09	10/17/11	6.0 - 16.0	Shallow	67.67	9.36	58.31	--
	04/16/12	6.0 - 16.0	Shallow	67.67	10.36	57.31	-1
	10/22/12	6.0 - 16.0	Shallow	67.67	8.05	59.62	2.31
	04/02/13	6.0 - 16.0	Shallow	67.67	4.78	62.89	3.27
	10/15/13	6.0 - 16.0	Shallow	67.67	6.40	61.27	-1.62
	04/23/14	6.0 - 16.0	Shallow	67.67	3.15	64.52	3.25
	09/09/14	6.0 - 16.0	Shallow	67.67	12.01	55.66	-8.86
	05/12/15	6.0 - 16.0	Shallow	67.67	4.38	63.29	7.63
	11/02/15	6.0 - 16.0	Shallow	67.67	9.67	58.00	-5.29
	04/19/16	6.0 - 16.0	Shallow	67.67	5.89	61.78	3.78
	10/24/16	6.0 - 16.0	Shallow	67.67	4.75	62.92	1.14
	06/06/17	6.0 - 16.0	Shallow	67.67	7.50	60.17	-2.75
	10/30/17	6.0 - 16.0	Shallow	67.67	4.85	62.82	2.65
	06/11/18	6.0 - 16.0	Shallow	67.67	5.69	61.98	-0.84
	10/22/18	6.0 - 16.0	Shallow	67.67	6.17	61.50	-0.48
	05/14/19	6.0 - 16.0	Shallow	67.67	7.59	60.08	-1.42
	10/10/19	6.0 - 16.0	Shallow	67.67	11.66	56.01	-4.07
	06/23/20	6.0 - 16.0	Shallow	67.67	4.02	63.65	7.64
	10/25/20	6.0 - 16.0	Shallow	67.67	5.86	61.81	-1.84
	06/29/21	6.0 - 16.0	Shallow	67.67	4.44	63.23	-0.42
	09/29/21	6.0 - 16.0	Shallow	67.67	4.08	63.59	1.78

Table 3-1
Groundwater Level Measurements - October 2011 - October 2021
SWMU 26, Former 724th Tanker Purging Station
Fort Stewart, Georgia

Well Number	Date Measured	Depth of Screened Interval (ft bgs)	Hydrologic Unit	Top of Casing Elevation (ft amsl)	Water Depth (ft btoc)	Water Elevation (ft amsl)	Difference (ft)
MW-10	10/17/11	31.0 - 41.0	Deep	67.71	11.03	56.68	--
	04/16/12	31.0 - 41.0	Deep	67.71	11.57	56.14	-0.54
	10/22/12	31.0 - 41.0	Deep	67.71	9.89	57.82	1.68
	04/02/13	31.0 - 41.0	Deep	67.71	6.44	61.27	3.45
	10/15/13	31.0 - 41.0	Deep	67.71	9.86	57.85	-3.42
	04/23/14	31.0 - 41.0	Deep	67.71	4.51	63.20	5.35
	09/09/14	31.0 - 41.0	Deep	67.71	13.66	54.05	-9.15
	05/12/15	31.0 - 41.0	Deep	67.71	5.18	62.53	8.48
	11/02/15	31.0 - 41.0	Deep	67.71	10.69	57.02	-5.51
	04/19/16	31.0 - 41.0	Deep	67.71	7.31	60.40	3.38
	10/24/16	31.0 - 41.0	Deep	67.71	6.02	61.69	1.29
	06/06/17	31.0 - 41.0	Deep	67.71	8.56	59.15	-2.54
	10/30/17	31.0 - 41.0	Deep	67.71	5.76	61.95	2.80
	06/11/18	31.0 - 41.0	Deep	67.71	6.63	61.08	-0.87
	10/22/18	31.0 - 41.0	Deep	67.71	7.55	60.16	-0.92
	05/14/19	31.0 - 41.0	Deep	67.71	8.44	59.27	-0.89
	10/10/19	31.0 - 41.0	Deep	67.71	11.73	55.98	-3.29
	06/23/20	31.0 - 41.0	Deep	67.71	4.59	63.12	7.14
	10/25/20	31.0 - 41.0	Deep	67.71	6.65	61.06	-2.06
	06/29/21	31.0 - 41.0	Deep	67.71	5.22	62.49	-0.63
	09/29/21	31.0 - 41.0	Deep	67.71	4.80	62.91	1.85
MW-11	10/17/11	4.13 - 16.95	Shallow	68.62	8.45	60.17	--
	04/16/12	4.13 - 16.95	Shallow	68.62	10.24	58.38	-1.79
	10/22/12	4.13 - 16.95	Shallow	68.62	8.06	60.56	2.18
	04/02/13	4.13 - 16.95	Shallow	68.62	5.02	63.60	3.04
	10/15/13	4.13 - 16.95	Shallow	68.62	6.43	62.19	-1.41
	04/23/14	4.13 - 16.95	Shallow	68.62	4.26	64.36	2.17
	09/09/14	4.13 - 16.95	Shallow	68.62	10.93	57.69	-6.67
	05/12/15	4.13 - 16.95	Shallow	68.62	4.85	63.77	6.08
	11/02/15	4.13 - 16.95	Shallow	68.62	9.77	58.85	-4.92
	04/19/16	4.13 - 16.95	Shallow	68.62	6.11	62.51	3.66
	10/24/16	4.13 - 16.95	Shallow	68.62	5.42	63.20	0.69
	06/06/17	4.13 - 16.95	Shallow	68.62	7.75	60.87	-2.33
	10/30/17	4.13 - 16.95	Shallow	68.62	5.48	63.14	2.27
	06/11/18	4.13 - 16.95	Shallow	68.62	5.70	62.92	-0.22
	10/22/18	4.13 - 16.95	Shallow	68.62	6.38	62.24	-0.68
	05/14/19	4.13 - 16.95	Shallow	68.62	7.95	60.67	-1.57
	10/10/19	4.13 - 16.95	Shallow	68.62	11.59	57.03	-3.64
	06/23/20	4.13 - 16.95	Shallow	68.62	4.70	63.92	6.89
	10/26/20	4.13 - 16.95	Shallow	68.62	6.55	62.07	-1.85
	06/29/21	4.13 - 16.95	Shallow	68.62	5.10	63.52	-0.40
	09/29/21	4.13 - 16.95	Shallow	68.62	4.86	63.76	1.69

Table 3-1
Groundwater Level Measurements - October 2011 - October 2021
SWMU 26, Former 724th Tanker Purging Station
Fort Stewart, Georgia

Well Number	Date Measured	Depth of Screened Interval (ft bgs)	Hydrologic Unit	Top of Casing Elevation (ft amsl)	Water Depth (ft btoc)	Water Elevation (ft amsl)	Difference (ft)
MW-12	10/17/11	2.92 - 12.64	Shallow	67.60	8.60	59.00	--
	04/16/12	2.92 - 12.64	Shallow	67.60	10.42	57.18	-1.82
	10/22/12	2.92 - 12.64	Shallow	67.60	8.22	59.38	2.2
	04/02/13	2.92 - 12.64	Shallow	67.60	4.72	62.88	3.50
	10/15/13	2.92 - 12.64	Shallow	67.60	6.52	61.08	-1.80
	04/23/14	2.92 - 12.64	Shallow	67.60	NM	NM	NM
	09/09/14	2.92 - 12.64	Shallow	67.60	10.60	57.00	-4.08
	05/12/15	2.92 - 12.64	Shallow	67.60	4.22	63.38	6.38
	11/02/15	2.92 - 12.64	Shallow	67.60	9.71	57.89	-5.49
	04/19/16	2.92 - 12.64	Shallow	67.60	5.58	62.02	4.13
	10/24/16	2.92 - 12.64	Shallow	67.60	4.32	63.28	1.26
	06/06/17	2.92 - 12.64	Shallow	67.60	7.17	60.43	-2.85
	10/30/17	2.92 - 12.64	Shallow	67.60	4.70	62.90	2.47
	06/11/18	2.92 - 12.64	Shallow	67.60	5.15	62.45	-0.45
	10/22/18	2.92 - 12.64	Shallow	67.60	5.61	61.99	-0.46
	05/14/19	2.92 - 12.64	Shallow	67.60	7.62	59.98	-2.01
	10/10/19	2.92 - 12.64	Shallow	67.60	11.44	56.16	-3.82
	06/23/20	2.92 - 12.64	Shallow	67.60	3.78	63.82	7.66
	10/26/20	2.92 - 12.64	Shallow	67.60	6.06	61.54	-2.28
	06/29/21	2.92 - 12.64	Shallow	67.60	4.13	63.47	-0.35
	09/30/21	2.92 - 12.64	Shallow	67.60	3.92	63.68	2.14
MW-13	10/17/11	3.43 - 12.88	Shallow	67.36	9.06	58.30	--
	04/16/12	3.43 - 12.88	Shallow	67.36	10.74	56.62	-1.68
	10/22/12	3.43 - 12.88	Shallow	67.36	8.22	59.14	2.52
	04/02/13	3.43 - 12.88	Shallow	67.36	4.60	62.76	3.62
	10/15/13	3.43 - 12.88	Shallow	67.36	6.95	60.41	-2.35
	04/23/14	3.43 - 12.88	Shallow	67.36	3.20	64.16	3.75
	09/09/14	3.43 - 12.88	Shallow	67.36	11.07	56.29	-7.87
	05/12/15	3.43 - 12.88	Shallow	67.36	4.06	63.30	7.01
	11/02/15	3.43 - 12.88	Shallow	67.36	9.88	57.48	-5.82
	04/19/16	3.43 - 12.88	Shallow	67.36	6.05	61.31	3.83
	10/24/16	3.43 - 12.88	Shallow	67.36	4.66	62.70	1.39
	06/06/17	3.43 - 12.88	Shallow	67.36	7.50	59.86	-2.84
	10/30/17	3.43 - 12.88	Shallow	67.36	4.83	62.53	2.67
	06/11/18	3.43 - 12.88	Shallow	67.36	5.56	61.80	-0.73
	10/22/18	3.43 - 12.88	Shallow	67.36	6.22	61.14	-0.66
	05/14/19	3.43 - 12.88	Shallow	67.36	7.67	59.69	-1.45
	10/10/19	3.43 - 12.88	Shallow	67.36	11.49	55.87	-3.82
	06/23/20	3.43 - 12.88	Shallow	67.36	3.76	63.60	7.73
	10/25/20	3.43 - 12.88	Shallow	67.36	5.94	61.42	-2.18
	06/29/21	3.43 - 12.88	Shallow	67.36	4.29	63.07	-0.53
	09/30/21	3.43 - 12.88	Shallow	67.36	3.99	63.37	1.95

Table 3-1
Groundwater Level Measurements - October 2011 - October 2021
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Fort Stewart, Georgia

Well Number	Date Measured	Depth of Screened Interval (ft bgs)	Hydrologic Unit	Top of Casing Elevation (ft amsl)	Water Depth (ft btoc)	Water Elevation (ft amsl)	Difference (ft)
MW-14	10/17/11	3.48 - 12.91	Shallow	67.73	9.53	58.20	--
	04/16/12	3.48 - 12.91	Shallow	67.73	10.83	56.90	-1.3
	10/22/12	3.48 - 12.91	Shallow	67.73	8.38	59.35	2.45
	04/02/13	3.48 - 12.91	Shallow	67.73	5.16	62.57	3.22
	10/15/13	3.48 - 12.91	Shallow	67.73	6.92	60.81	-1.76
	04/23/14	3.48 - 12.91	Shallow	67.73	3.42	64.31	3.50
	09/09/14	3.48 - 12.91	Shallow	67.73	11.12	56.61	-7.70
	05/12/15	3.48 - 12.91	Shallow	67.73	4.57	63.16	6.55
	11/02/15	3.48 - 12.91	Shallow	67.73	10.09	57.64	-5.52
	04/19/16	3.48 - 12.91	Shallow	67.73	6.31	61.42	3.78
	10/24/16	3.48 - 12.91	Shallow	67.73	5.02	62.71	1.29
	06/06/17	3.48 - 12.91	Shallow	67.73	7.81	59.92	-2.79
	10/30/17	3.48 - 12.91	Shallow	67.73	5.09	62.64	2.72
	06/11/18	3.48 - 12.91	Shallow	67.73	5.86	61.87	-0.77
	10/22/18	3.48 - 12.91	Shallow	67.73	6.53	61.20	-0.67
	05/14/19	3.48 - 12.91	Shallow	67.73	7.87	59.86	-1.34
	10/10/19	3.48 - 12.91	Shallow	67.73	11.80	55.93	-3.93
	06/23/20	3.48 - 12.91	Shallow	67.73	4.26	63.47	7.54
	10/25/20	3.48 - 12.91	Shallow	67.73	6.07	61.66	-1.81
	06/29/21	3.48 - 12.91	Shallow	67.73	4.61	63.12	-0.35
	09/30/21	3.48 - 12.91	Shallow	67.73	4.32	63.41	1.75
MW-15	Well abandoned						
MW-15R *	10/17/11	3.0 - 13.0	Shallow	68.20	10.68	57.52	
	04/16/12	3.0 - 13.0	Shallow	68.20	9.91	58.29	0.77
	10/22/12	3.0 - 13.0	Shallow	68.20	7.75	60.45	2.16
	04/02/13	3.0 - 13.0	Shallow	68.20	6.03	62.17	1.72
	10/15/13	3.0 - 13.0	Shallow	68.20	6.36	61.84	-0.33
	04/23/14	3.0 - 13.0	Shallow	68.20	3.97	64.23	2.39
	09/09/14	3.0 - 13.0	Shallow	68.20	9.05	59.15	-5.08
	05/12/15	3.0 - 13.0	Shallow	68.20	5.34	62.86	3.71
	11/02/15	3.0 - 13.0	Shallow	68.20	8.25	59.95	-2.91
	04/19/16	3.0 - 13.0	Shallow	68.20	6.60	61.60	1.65
	10/24/16	3.0 - 13.0	Shallow	68.20	6.24	61.96	0.36
	06/06/17	3.0 - 13.0	Shallow	68.20	7.09	61.11	-0.85
	10/30/17	3.0 - 13.0	Shallow	68.20	5.88	62.32	1.21
	06/11/18	3.0 - 13.0	Shallow	68.20	5.90	62.30	-0.02
	10/22/18	3.0 - 13.0	Shallow	68.20	6.79	61.41	-0.89
	05/14/19	3.0 - 13.0	Shallow	68.20	7.61	60.59	-0.82
	10/10/19	3.0 - 13.0	Shallow	68.20	10.87	57.33	-3.26
	06/23/20	3.0 - 13.0	Shallow	68.20	4.90	63.30	5.97
	10/26/20	3.0 - 13.0	Shallow	68.20	6.71	61.49	-1.81
	06/29/21	3.0 - 13.0	Shallow	68.20	5.49	62.71	-0.59
	09/29/21	3.0 - 13.0	Shallow	68.20	5.10	63.10	1.61

Table 3-1
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Well Number	Date Measured	Depth of Screened Interval (ft bgs)	Hydrologic Unit	Top of Casing Elevation (ft amsl)	Water Depth (ft btoc)	Water Elevation (ft amsl)	Difference (ft)
MW-16	10/17/11	6.0 - 16.0	Shallow	67.91	8.83	59.08	--
	04/16/12	6.0 - 16.0	Shallow	67.91	8.22	59.69	0.61
	10/22/12	6.0 - 16.0	Shallow	67.91	6.61	61.30	1.61
	04/02/13	6.0 - 16.0	Shallow	67.91	5.45	62.46	1.16
	10/15/13	6.0 - 16.0	Shallow	67.91	4.96	62.95	0.49
	04/23/14	6.0 - 16.0	Shallow	67.91	3.52	64.39	1.44
	09/09/14	6.0 - 16.0	Shallow	67.91	7.58	60.33	-4.06
	05/13/15	6.0 - 16.0	Shallow	67.91	3.59	64.32	3.99
	11/03/15	6.0 - 16.0	Shallow	67.91	7.35	60.56	-3.76
	04/19/16	6.0 - 16.0	Shallow	67.91	6.00	61.91	1.35
	10/24/16	6.0 - 16.0	Shallow	67.91	4.79	63.12	1.21
	06/07/17	6.0 - 16.0	Shallow	67.91	5.76	62.15	-0.97
	10/30/17	6.0 - 16.0	Shallow	67.91	4.38	63.53	1.38
	06/11/18	6.0 - 16.0	Shallow	67.91	4.06	63.85	0.32
	10/22/18	6.0 - 16.0	Shallow	67.91	5.31	62.60	-1.25
	05/14/19	6.0 - 16.0	Shallow	67.91	6.12	61.79	-0.81
	10/10/19	6.0 - 16.0	Shallow	67.91	9.23	58.68	-3.11
	06/23/20	6.0 - 16.0	Shallow	67.91	3.30	64.61	5.93
	10/25/20	6.0 - 16.0	Shallow	67.91	5.18	62.73	-1.88
	06/29/21	6.0 - 16.0	Shallow	67.91	3.88	64.03	-0.58
	09/30/21	6.0 - 16.0	Shallow	67.91	3.59	64.32	1.59
MW-17	10/17/11	6.0 - 16.0	Shallow	67.34	9.30	58.04	--
	04/16/12	6.0 - 16.0	Shallow	67.34	11.75	55.59	-2.45
	10/22/12	6.0 - 16.0	Shallow	67.34	9.66	57.68	2.09
	04/02/13	6.0 - 16.0	Shallow	67.34	5.81	61.53	3.85
	10/15/13	6.0 - 16.0	Shallow	67.34	7.70	59.64	-1.89
	04/23/14	6.0 - 16.0	Shallow	67.34	3.55	63.79	4.15
	09/09/14	6.0 - 16.0	Shallow	67.34	12.32	55.02	-8.77
	05/12/15	6.0 - 16.0	Shallow	67.34	4.11	63.23	8.21
	11/02/15	6.0 - 16.0	Shallow	67.34	10.66	56.68	-6.55
	04/19/16	6.0 - 16.0	Shallow	67.34	6.41	60.93	4.25
	10/24/16	6.0 - 16.0	Shallow	67.34	5.08	62.26	1.33
	06/06/17	6.0 - 16.0	Shallow	67.34	6.84	60.50	-1.76
	10/30/17	6.0 - 16.0	Shallow	67.34	4.87	62.47	1.97
	06/11/18	6.0 - 16.0	Shallow	67.34	5.32	62.02	-0.45
	10/22/18	6.0 - 16.0	Shallow	67.34	6.65	60.69	-1.33
	05/14/19	6.0 - 16.0	Shallow	67.34	7.68	59.66	-1.03
	10/10/19	6.0 - 16.0	Shallow	67.34	11.26	56.08	-3.58
	06/23/20	6.0 - 16.0	Shallow	67.34	3.78	63.56	7.48
	10/25/20	6.0 - 16.0	Shallow	67.34	6.12	61.22	-2.34
	06/29/21	6.0 - 16.0	Shallow	67.34	4.19	63.15	-0.41
	09/30/21	6.0 - 16.0	Shallow	67.34	3.79	63.55	2.33

Table 3-1
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Well Number	Date Measured	Depth of Screened Interval (ft bgs)	Hydrologic Unit	Top of Casing Elevation (ft amsl)	Water Depth (ft btoc)	Water Elevation (ft amsl)	Difference (ft)
MW-18	10/17/11	4.9 - 14.9	Shallow	67.84	12.16	55.68	--
	04/16/12	4.9 - 14.9	Shallow	67.84	13.37	54.47	-1.21
	10/22/12	4.9 - 14.9	Shallow	67.84	11.99	55.85	1.38
	04/02/13	4.9 - 14.9	Shallow	67.84	6.76	61.08	5.23
	10/15/13	4.9 - 14.9	Shallow	67.84	8.92	58.92	-2.16
	04/23/14	4.9 - 14.9	Shallow	67.84	4.98	62.86	3.94
	09/09/14	4.9 - 14.9	Shallow	67.84	13.42	54.42	-8.44
	05/12/15	4.9 - 14.9	Shallow	67.84	5.71	62.13	7.71
	11/02/15	4.9 - 14.9	Shallow	67.84	12.65	55.19	-6.94
	04/19/16	4.9 - 14.9	Shallow	67.84	8.52	59.32	4.13
	10/24/16	4.9 - 14.9	Shallow	67.84	6.58	61.26	1.94
	06/06/17	4.9 - 14.9	Shallow	67.84	9.47	58.37	-2.89
	10/30/17	4.9 - 14.9	Shallow	67.84	6.05	61.79	3.42
	06/11/18	4.9 - 14.9	Shallow	67.84	7.51	60.33	-1.46
	10/22/18	4.9 - 14.9	Shallow	67.84	8.42	59.42	-0.91
	05/14/19	4.9 - 14.9	Shallow	67.84	9.23	58.61	-0.81
	10/10/19	4.9 - 14.9	Shallow	67.84	12.72	55.12	-3.49
	06/23/20	4.9 - 14.9	Shallow	67.84	4.75	63.09	7.97
	10/25/20	4.9 - 14.9	Shallow	67.84	7.20	60.64	-2.45
	06/29/21	4.9 - 14.9	Shallow	67.84	5.29	62.55	-0.54
	09/30/21	4.9 - 14.9	Shallow	67.84	4.92	62.92	2.28
MW-19	10/17/11	6.3 - 16.3	Shallow	67.57	11.71	55.86	--
	04/16/12	6.3 - 16.3	Shallow	67.57	12.93	54.64	-1.22
	10/22/12	6.3 - 16.3	Shallow	67.57	10.56	57.01	2.37
	04/02/13	6.3 - 16.3	Shallow	67.57	5.97	61.60	4.59
	10/15/13	6.3 - 16.3	Shallow	67.57	9.32	58.25	-3.35
	04/23/14	6.3 - 16.3	Shallow	67.57	5.99	61.58	3.33
	09/09/14	6.3 - 16.3	Shallow	67.57	13.58	53.99	-7.59
	05/12/15	6.3 - 16.3	Shallow	67.57	7.57	60.00	6.01
	11/02/15	6.3 - 16.3	Shallow	67.57	11.84	55.73	-4.27
	04/19/16	6.3 - 16.3	Shallow	67.57	8.03	59.54	3.81
	10/24/16	6.3 - 16.3	Shallow	67.57	5.81	61.76	2.22
	06/06/17	6.3 - 16.3	Shallow	67.57	8.97	58.60	-3.16
	10/30/17	6.3 - 16.3	Shallow	67.57	5.53	62.04	3.44
	06/11/18	6.3 - 16.3	Shallow	67.57	6.97	60.60	-1.44
	10/22/18	6.3 - 16.3	Shallow	67.57	7.84	59.73	-0.87
	05/14/19	6.3 - 16.3	Shallow	67.57	8.69	58.88	-0.85
	10/10/19	6.3 - 16.3	Shallow	67.57	12.30	55.27	-3.61
	06/23/20	6.3 - 16.3	Shallow	67.57	4.40	63.17	7.90
	10/25/20	6.3 - 16.3	Shallow	67.57	6.60	60.97	-2.20
	06/29/21	6.3 - 16.3	Shallow	67.57	4.96	62.61	-0.56
	09/30/21	6.3 - 16.3	Shallow	67.57	4.59	62.98	2.01

Table 3-1
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Well Number	Date Measured	Depth of Screened Interval (ft bgs)	Hydrologic Unit	Top of Casing Elevation (ft amsl)	Water Depth (ft btoc)	Water Elevation (ft amsl)	Difference (ft)
MW-20	10/17/11	6.0 - 16.0	Shallow	67.63	11.56	56.07	--
	04/16/12	6.0 - 16.0	Shallow	67.63	12.41	55.22	-0.85
	10/22/12	6.0 - 16.0	Shallow	67.63	10.31	57.32	2.1
	04/03/13	6.0 - 16.0	Shallow	67.63	5.72	61.91	4.59
	10/15/13	6.0 - 16.0	Shallow	67.63	8.15	59.48	-2.43
	04/23/14	6.0 - 16.0	Shallow	67.63	3.68	63.95	4.47
	09/09/14	6.0 - 16.0	Shallow	67.63	13.56	54.07	-9.88
	05/12/15	6.0 - 16.0	Shallow	67.63	4.91	62.72	8.65
	11/02/15	6.0 - 16.0	Shallow	67.63	11.21	56.42	-6.30
	04/19/16	6.0 - 16.0	Shallow	67.63	8.11	59.52	3.10
	10/24/16	6.0 - 16.0	Shallow	67.63	5.59	62.04	2.52
	06/06/17	6.0 - 16.0	Shallow	67.63	9.00	58.63	-3.41
	10/30/17	6.0 - 16.0	Shallow	67.63	5.38	62.25	3.62
	06/11/18	6.0 - 16.0	Shallow	67.63	6.82	60.81	-1.44
	10/22/18	6.0 - 16.0	Shallow	67.63	8.61	59.02	-1.79
	05/14/19	6.0 - 16.0	Shallow	67.63	8.57	59.06	0.04
	10/10/19	6.0 - 16.0	Shallow	67.63	12.17	55.46	-3.60
	06/23/20	6.0 - 16.0	Shallow	67.63	4.36	63.27	7.81
	10/26/20	6.0 - 16.0	Shallow	67.63	6.54	61.09	-2.18
	06/29/21	6.0 - 16.0	Shallow	67.63	4.86	62.77	-0.50
	09/30/21	6.0 - 16.0	Shallow	67.63	4.49	63.14	2.05
MW-21	10/17/11	5.1 - 15.1	Shallow	67.84	11.77	56.07	--
	04/16/12	5.1 - 15.1	Shallow	67.84	12.65	55.19	-0.88
	10/22/12	5.1 - 15.1	Shallow	67.84	10.61	57.23	2.04
	04/02/13	5.1 - 15.1	Shallow	67.84	5.28	62.56	5.33
	10/15/13	5.1 - 15.1	Shallow	67.84	9.74	58.10	-4.46
	04/23/14	5.1 - 15.1	Shallow	67.84	4.98	62.86	4.76
	09/09/14	5.1 - 15.2	Shallow	67.84	14.37	53.47	-9.39
	05/12/15	5.1 - 15.2	Shallow	67.84	5.75	62.09	8.62
	11/02/15	5.1 - 15.2	Shallow	67.84	11.67	56.17	-5.92
	04/19/16	5.1 - 15.2	Shallow	67.84	7.99	59.85	3.68
	10/24/16	5.1 - 15.2	Shallow	67.84	5.11	62.73	2.88
	06/06/17	5.1 - 15.2	Shallow	67.84	8.93	58.91	-3.82
	10/30/17	5.1 - 15.2	Shallow	67.84	5.46	62.38	3.47
	06/11/18	5.1 - 15.2	Shallow	67.84	6.63	61.21	-1.17
	10/22/18	5.1 - 15.2	Shallow	67.84	7.41	60.43	-0.78
	05/14/19	5.1 - 15.2	Shallow	67.84	8.61	59.23	-1.20
	10/10/19	5.1 - 15.2	Shallow	67.84	12.29	55.55	-3.68
	06/23/20	5.1 - 15.2	Shallow	67.84	4.53	63.31	7.76
	10/25/20	5.1 - 15.2	Shallow	67.84	6.56	61.28	-2.03
	06/29/21	5.1 - 15.2	Shallow	67.84	4.90	62.94	-0.37
	09/30/21	5.1 - 15.2	Shallow	67.84	4.57	63.27	1.99

Table 3-1
Groundwater Level Measurements - October 2011 - October 2021
SWMU 26, Former 724th Tanker Purging Station
Fort Stewart, Georgia

Well Number	Date Measured	Depth of Screened Interval (ft bgs)	Hydrologic Unit	Top of Casing Elevation (ft amsl)	Water Depth (ft btoc)	Water Elevation (ft amsl)	Difference (ft)
MW-22	10/17/11	4.0 - 14.0	Shallow	67.11	9.99	57.12	--
	04/16/12	4.0 - 14.0	Shallow	67.11	11.15	55.96	-1.16
	10/22/12	4.0 - 14.0	Shallow	67.11	8.11	59.00	3.04
	04/02/13	4.0 - 14.0	Shallow	67.11	3.80	63.31	4.31
	10/15/13	4.0 - 14.0	Shallow	67.11	7.58	59.53	-3.78
	04/23/14	4.0 - 14.0	Shallow	67.11	3.22	63.89	4.36
	09/09/14	4.0 - 14.1	Shallow	67.11	11.66	55.45	-8.44
	05/12/15	4.0 - 14.1	Shallow	67.11	3.92	63.19	7.74
	11/02/15	4.0 - 14.1	Shallow	67.11	10.20	56.91	-6.28
	04/19/16	4.0 - 14.1	Shallow	67.11	5.25	61.86	4.95
	10/24/16	4.0 - 14.1	Shallow	67.11	4.28	62.83	0.97
	06/06/17	4.0 - 14.1	Shallow	67.11	7.81	59.30	-3.53
	10/30/17	4.0 - 14.1	Shallow	67.11	4.38	62.73	3.43
	06/11/18	4.0 - 14.1	Shallow	67.11	5.18	61.93	-0.80
	10/22/18	4.0 - 14.1	Shallow	67.11	5.36	61.75	-0.18
	05/14/19	4.0 - 14.1	Shallow	67.11	7.40	59.71	-2.04
	10/10/19	4.0 - 14.1	Shallow	67.11	11.30	55.81	-3.90
	06/23/20	4.0 - 14.1	Shallow	67.11	3.67	63.44	7.63
	10/25/20	4.0 - 14.1	Shallow	67.11	5.56	61.55	-1.89
	06/29/21	4.0 - 14.1	Shallow	67.11	3.98	63.13	-0.31
	09/30/21	4.0 - 14.1	Shallow	67.11	3.60	63.51	1.96
MW-23	10/17/11	13.0 - 23.0	Deep	67.65	11.11	56.54	--
	04/16/12	13.0 - 23.0	Deep	67.65	11.76	55.89	-0.65
	10/22/12	13.0 - 23.0	Deep	67.65	10.19	57.46	1.57
	04/02/13	13.0 - 23.0	Deep	67.65	6.30	61.35	3.89
	10/15/13	13.0 - 23.0	Deep	67.65	11.50	56.15	-5.20
	04/23/14	13.0 - 23.0	Deep	67.65	6.38	61.27	5.12
	09/09/14	13.0 - 23.1	Deep	67.65	14.95	52.70	-8.57
	05/12/15	13.0 - 23.1	Deep	67.65	5.24	62.41	9.71
	11/02/15	13.0 - 23.1	Deep	67.65	10.61	57.04	-5.37
	04/19/16	13.0 - 23.1	Deep	67.65	7.00	60.65	3.61
	10/24/16	13.0 - 23.1	Deep	67.65	5.44	62.21	1.56
	06/06/17	13.0 - 23.1	Deep	67.65	8.32	59.33	-2.88
	10/30/17	13.0 - 23.1	Deep	67.65	5.38	62.27	2.94
	06/11/18	13.0 - 23.1	Deep	67.65	6.31	61.34	-0.93
	10/22/18	13.0 - 23.1	Deep	67.65	7.09	60.56	-0.78
	05/14/19	13.0 - 23.1	Deep	67.65	8.22	59.43	-1.13
	10/10/19	13.0 - 23.1	Deep	67.65	11.90	55.75	-3.68
	06/23/20	13.0 - 23.1	Deep	67.65	4.26	63.39	7.64
	10/25/20	13.0 - 23.1	Deep	67.65	6.55	61.10	-2.29
	06/29/21	13.0 - 23.1	Deep	67.65	4.86	62.79	-0.60
	09/30/21	13.0 - 23.1	Deep	67.65	4.53	63.12	2.02
MW-24	Well abandoned						

Table 3-1
Groundwater Level Measurements - October 2011 - October 2021
SWMU 26, Former 724th Tanker Purging Station
Fort Stewart, Georgia

Well Number	Date Measured	Depth of Screened Interval (ft bgs)	Hydrologic Unit	Top of Casing Elevation (ft amsl)	Water Depth (ft btoc)	Water Elevation (ft amsl)	Difference (ft)
MW-24R *	10/17/11	3.0 - 13.0	Shallow	66.84	9.14	57.70	
	04/16/12	3.0 - 13.0	Shallow	66.84	NM	NM	NA
	10/22/12	3.0 - 13.0	Shallow	66.84	6.18	60.66	NA
	04/02/13	3.0 - 13.0	Shallow	66.84	4.88	61.96	1.30
	10/15/13	3.0 - 13.0	Shallow	66.84	4.72	62.12	0.16
	04/23/14	3.0 - 13.0	Shallow	66.84	2.57	64.27	2.15
	09/09/14	3.0 - 13.1	Shallow	66.84	6.99	59.85	-4.42
	05/13/15	3.0 - 13.1	Shallow	66.84	4.48	62.36	2.51
	11/03/15	3.0 - 13.1	Shallow	66.84	6.57	60.27	-2.09
	04/19/16	3.0 - 13.1	Shallow	66.84	4.89	61.95	1.68
	10/24/16	3.0 - 13.1	Shallow	66.84	4.91	61.93	-0.02
	06/07/17	3.0 - 13.1	Shallow	66.84	5.21	61.63	-0.30
	10/30/17	3.0 - 13.1	Shallow	66.84	4.24	62.60	0.97
	06/11/18	3.0 - 13.1	Shallow	66.84	3.77	63.07	0.47
	10/22/18	3.0 - 13.1	Shallow	66.84	5.02	61.82	-1.25
	05/14/19	3.0 - 13.1	Shallow	66.84	5.66	61.18	-0.64
	10/10/19	3.0 - 13.1	Shallow	66.84	9.12	57.72	-3.46
	06/23/20	3.0 - 13.1	Shallow	66.84	3.21	63.63	5.91
	10/26/20	3.0 - 13.1	Shallow	66.84	5.10	61.74	-1.89
	06/29/21	3.0 - 13.1	Shallow	66.84	3.77	63.07	-0.56
	09/30/21	3.0 - 13.1	Shallow	66.84	3.56	63.28	1.54
MW-25	Well abandoned						
MW-25R *	10/17/11	3.0 - 13.0	Shallow	67.16	8.92	58.24	--
	04/16/12	3.0 - 13.0	Shallow	67.16	8.11	59.05	0.81
	10/22/12	3.0 - 13.0	Shallow	67.16	6.51	60.65	1.6
	04/02/13	3.0 - 13.0	Shallow	67.16	4.89	62.27	1.62
	10/15/13	3.0 - 13.0	Shallow	67.16	4.70	62.46	0.19
	04/23/14	3.0 - 13.0	Shallow	67.16	3.11	64.05	1.59
	09/09/14	3.0 - 13.0	Shallow	67.16	7.15	60.01	-4.04
	05/13/15	3.0 - 13.0	Shallow	67.16	3.41	63.75	3.74
	11/03/15	3.0 - 13.0	Shallow	67.16	6.90	60.26	-3.49
	04/19/16	3.0 - 13.0	Shallow	67.16	4.48	62.68	2.42
	10/24/16	3.0 - 13.0	Shallow	67.16	4.85	62.31	-0.37
	06/06/17	3.0 - 13.0	Shallow	67.16	5.03	62.13	-0.18
	10/30/17	3.0 - 13.0	Shallow	67.16	3.83	63.33	1.20
	06/11/18	3.0 - 13.0	Shallow	67.16	3.40	63.76	0.43
	10/22/18	3.0 - 13.0	Shallow	67.16	4.67	62.49	-1.27
	05/14/19	3.0 - 13.0	Shallow	67.16	5.24	61.92	-0.57
	10/10/19	3.0 - 13.0	Shallow	67.16	8.36	58.80	-3.12
	06/23/20	3.0 - 13.0	Shallow	67.16	3.23	63.93	5.13
	10/26/20	3.0 - 13.0	Shallow	67.16	4.84	62.32	-1.61
	06/29/21	3.0 - 13.0	Shallow	67.16	3.72	63.44	-0.49
	09/30/21	3.0 - 13.0	Shallow	67.16	3.52	63.64	1.32

Table 3-1
Groundwater Level Measurements - October 2011 - October 2021
SWMU 26, Former 724th Tanker Purgig Station
Fort Stewart, Georgia

Well Number	Date Measured	Depth of Screened Interval (ft bgs)	Hydrologic Unit	Top of Casing Elevation (ft amsl)	Water Depth (ft btoc)	Water Elevation (ft amsl)	Difference (ft)
MW-26	10/17/11	3.6 - 13.6	Shallow	67.81	9.24	58.57	--
	04/16/12	3.6 - 13.6	Shallow	67.81	10.60	57.21	-1.36
	10/22/12	3.6 - 13.6	Shallow	67.81	8.08	59.73	2.52
	04/02/13	3.6 - 13.6	Shallow	67.81	4.79	63.02	3.29
	10/15/13	3.6 - 13.6	Shallow	67.81	6.47	61.34	-1.68
	04/23/14	3.6 - 13.6	Shallow	67.81	3.35	64.46	3.12
	09/09/14	3.6 - 13.6	Shallow	67.81	10.96	56.85	-7.61
	05/12/15	3.6 - 13.6	Shallow	67.81	4.21	63.60	6.75
	11/02/15	3.6 - 13.6	Shallow	67.81	9.94	57.87	-5.73
	04/19/16	3.6 - 13.6	Shallow	67.81	5.65	62.16	4.29
	10/24/16	3.6 - 13.6	Shallow	67.81	4.38	63.43	1.27
	06/06/17	3.6 - 13.6	Shallow	67.81	7.66	60.15	-3.28
	10/30/17	3.6 - 13.6	Shallow	67.81	4.79	63.02	2.87
	06/11/18	3.6 - 13.6	Shallow	67.81	5.52	62.29	-0.73
	10/22/18	3.6 - 13.6	Shallow	67.81	5.76	62.05	-0.24
	05/14/19	3.6 - 13.6	Shallow	67.81	7.77	60.04	-2.01
	10/10/19	3.6 - 13.6	Shallow	67.81	10.95	56.86	-3.18
	06/23/20	3.6 - 13.6	Shallow	67.81	4.15	63.66	6.80
	10/25/20	3.6 - 13.6	Shallow	67.81	5.95	61.86	-1.80
	06/29/21	3.6 - 13.6	Shallow	67.81	4.48	63.33	-0.33
	09/30/21	3.6 - 13.6	Shallow	67.81	4.14	63.67	1.81
MW-27	Well abandoned						
MW-28	Well abandoned						
MW-28R *	10/17/11	3.0 - 13.0	Shallow	69.06	11.86	57.20	
	04/16/12	3.0 - 13.0	Shallow	69.06	9.70	59.36	2.16
	10/22/12	3.0 - 13.0	Shallow	69.06	8.10	60.96	1.6
	04/02/13	3.0 - 13.0	Shallow	69.06	6.61	62.45	1.49
	10/15/13	3.0 - 13.0	Shallow	69.06	6.80	62.26	-0.19
	04/23/14	3.0 - 13.0	Shallow	69.06	4.70	64.36	2.10
	09/09/14	3.0 - 13.0	Shallow	69.06	8.95	60.11	-4.25
	05/12/15	3.0 - 13.0	Shallow	69.06	5.62	63.44	3.33
	11/02/15	3.0 - 13.0	Shallow	69.06	8.56	60.50	-2.94
	04/19/16	3.0 - 13.0	Shallow	69.06	6.68	62.38	1.88
	10/24/16	3.0 - 13.0	Shallow	69.06	6.55	62.51	0.13
	06/06/17	3.0 - 13.0	Shallow	69.06	7.36	61.70	-0.81
	10/30/17	3.0 - 13.0	Shallow	69.06	6.11	62.95	1.25
	06/11/18	3.0 - 13.0	Shallow	69.06	5.91	63.15	0.20
	10/22/18	3.0 - 13.0	Shallow	69.06	6.96	62.10	-1.05
	05/14/19	3.0 - 13.0	Shallow	69.06	7.86	61.20	-0.90
	10/10/19	3.0 - 13.0	Shallow	69.06	11.24	57.82	-3.38
	06/23/20	3.0 - 13.0	Shallow	69.06	5.41	63.65	5.83
	10/25/20	3.0 - 13.0	Shallow	69.06	7.04	62.02	-1.63
	06/29/21	3.0 - 13.0	Shallow	69.06	5.95	63.11	-0.54
	09/29/21	3.0 - 13.0	Shallow	69.06	5.59	63.47	1.45

Table 3-1
Groundwater Level Measurements - October 2011 - October 2021
SWMU 26, Former 724th Tanker Purging Station
Fort Stewart, Georgia

Well Number	Date Measured	Depth of Screened Interval (ft bgs)	Hydrologic Unit	Top of Casing Elevation (ft amsl)	Water Depth (ft btoc)	Water Elevation (ft amsl)	Difference (ft)
MW-29	10/17/11	3.3 - 13.3	Shallow	67.82	9.45	58.37	--
	04/16/12	3.3 - 13.3	Shallow	67.82	10.43	57.39	-0.98
	10/22/12	3.3 - 13.3	Shallow	67.82	7.26	60.56	3.17
	04/02/13	3.3 - 13.3	Shallow	67.82	4.81	63.01	2.45
	10/15/13	3.3 - 13.3	Shallow	67.82	5.61	62.21	-0.80
	04/23/14	3.3 - 13.3	Shallow	67.82	2.96	64.86	2.65
	09/09/14	3.3 - 13.3	Shallow	67.82	9.92	57.90	-6.96
	05/12/15	3.3 - 13.3	Shallow	67.82	4.51	63.31	5.41
	11/02/15	3.3 - 13.3	Shallow	67.82	9.02	58.80	-4.51
	04/19/16	3.3 - 13.3	Shallow	67.82	6.17	61.65	2.85
	10/24/16	3.3 - 13.3	Shallow	67.82	5.02	62.80	1.15
	06/06/17	3.3 - 13.3	Shallow	67.82	6.97	60.85	-1.95
	10/30/17	3.3 - 13.3	Shallow	67.82	4.95	62.87	2.02
	06/11/18	3.3 - 13.3	Shallow	67.82	5.76	62.06	-0.81
	10/22/18	3.3 - 13.3	Shallow	67.82	6.28	61.54	-0.52
	05/14/19	3.3 - 13.3	Shallow	67.82	7.22	60.60	-0.94
	10/10/19	3.3 - 13.3	Shallow	67.82	11.55	56.27	-4.33
	06/23/20	3.3 - 13.3	Shallow	67.82	3.85	63.97	7.70
	10/25/20	3.3 - 13.3	Shallow	67.82	5.75	62.07	-1.90
	06/29/21	3.3 - 13.3	Shallow	67.82	4.43	63.39	-0.58
	09/30/21	3.3 - 13.3	Shallow	67.82	4.07	63.75	1.68
MW-30	10/17/11	7.0 - 17.0	Shallow	68.17	12.65	55.52	--
	04/16/12	7.0 - 17.0	Shallow	68.17	12.56	55.61	0.09
	10/22/12	7.0 - 17.0	Shallow	68.17	10.59	57.58	1.97
	04/02/13	7.0 - 17.0	Shallow	68.17	6.09	62.08	4.50
	10/15/13	7.0 - 17.0	Shallow	68.17	7.92	60.25	-1.83
	04/23/14	7.0 - 17.0	Shallow	68.17	4.05	64.12	3.87
	09/09/14	7.0 - 17.0	Shallow	68.17	12.91	55.26	-8.86
	05/12/15	7.0 - 17.0	Shallow	68.17	5.03	63.14	7.88
	11/02/15	7.0 - 17.0	Shallow	68.17	11.49	56.68	-6.46
	04/19/16	7.0 - 17.0	Shallow	68.17	NM	NM	NM
	10/24/16	7.0 - 17.0	Shallow	68.17	5.98	62.19	5.51
	06/06/17	7.0 - 17.0	Shallow	68.17	9.22	58.95	-3.24
	10/30/17	7.0 - 17.0	Shallow	68.17	5.64	62.53	3.58
	06/11/18	7.0 - 17.0	Shallow	68.17	7.17	61.00	-1.53
	10/22/18	7.0 - 17.0	Shallow	68.17	7.94	60.23	-0.77
	05/14/19	7.0 - 17.0	Shallow	68.17	7.84	60.33	0.10
	10/10/19	7.0 - 17.0	Shallow	68.17	12.83	55.34	-4.99
	06/23/20	7.0 - 17.0	Shallow	68.17	4.51	63.66	8.32
	10/25/20	7.0 - 17.0	Shallow	68.17	6.73	61.44	-2.22
	06/29/21	7.0 - 17.0	Shallow	68.17	5.02	63.15	-0.51
	09/30/21	7.0 - 17.0	Shallow	68.17	4.66	63.51	2.07

Table 3-1
Groundwater Level Measurements - October 2011 - October 2021
SWMU 26, Former 724th Tanker Purging Station
Fort Stewart, Georgia

Well Number	Date Measured	Depth of Screened Interval (ft bgs)	Hydrologic Unit	Top of Casing Elevation (ft amsl)	Water Depth (ft btoc)	Water Elevation (ft amsl)	Difference (ft)
MW-31	10/17/11	4.0 - 14.0	Shallow	67.66	12.14	55.52	--
	04/16/12	4.0 - 14.0	Shallow	67.66	13.03	54.63	-0.89
	10/22/12	4.0 - 14.0	Shallow	67.66	10.98	56.68	2.05
	04/02/13	4.0 - 14.0	Shallow	67.66	6.36	61.30	4.62
	10/15/13	4.0 - 14.0	Shallow	67.66	8.41	59.25	-2.05
	04/23/14	4.0 - 14.0	Shallow	67.66	4.31	63.35	4.10
	09/09/14	4.0 - 14.0	Shallow	67.66	13.29	54.37	-8.98
	05/12/15	4.0 - 14.0	Shallow	67.66	5.12	62.54	8.17
	11/02/15	4.0 - 14.0	Shallow	67.66	11.79	55.87	-6.67
	04/19/16	4.0 - 14.0	Shallow	67.66	8.11	59.55	3.68
	10/24/16	4.0 - 14.0	Shallow	67.66	6.03	61.63	2.08
	06/06/17	4.0 - 14.0	Shallow	67.66	9.17	58.49	-3.14
	10/30/17	4.0 - 14.0	Shallow	67.66	5.60	62.06	3.57
	06/11/18	4.0 - 14.0	Shallow	67.66	7.11	60.55	-1.51
	10/22/18	4.0 - 14.0	Shallow	67.66	7.99	59.67	-0.88
	05/14/19	4.0 - 14.0	Shallow	67.66	8.79	58.87	-0.80
	10/10/19	4.0 - 14.0	Shallow	67.66	12.48	55.18	-3.69
	06/23/20	4.0 - 14.0	Shallow	67.66	4.61	63.05	7.87
	10/26/20	4.0 - 14.0	Shallow	67.66	6.74	60.92	-2.13
	06/29/21	4.0 - 14.0	Shallow	67.66	5.02	62.64	-0.41
	09/30/21	4.0 - 14.0	Shallow	67.66	4.69	62.97	2.05
MW-32	10/17/11	3.6 - 13.6	Shallow	67.57	12.20	55.37	--
	04/16/12	3.6 - 13.6	Shallow	67.57	14.08	53.49	-1.88
	10/22/12	3.6 - 13.6	Shallow	67.57	12.29	55.28	1.79
	04/02/13	3.6 - 13.6	Shallow	67.57	6.90	60.67	5.39
	10/15/13	3.6 - 13.6	Shallow	67.57	9.81	57.76	-2.91
	04/23/14	3.6 - 13.6	Shallow	67.57	5.92	61.65	3.89
	09/09/14	3.6 - 13.6	Shallow	67.57	13.50	54.07	-7.58
	05/12/15	3.6 - 13.6	Shallow	67.57	5.99	61.58	7.51
	11/02/15	3.6 - 13.6	Shallow	67.57	12.94	54.63	-6.95
	04/19/16	3.6 - 13.6	Shallow	67.57	8.56	59.01	4.38
	10/24/16	3.6 - 13.6	Shallow	67.57	6.94	60.63	1.62
	06/06/17	3.6 - 13.6	Shallow	67.57	9.51	58.06	-2.57
	10/30/17	3.6 - 13.6	Shallow	67.57	5.90	61.67	3.61
	06/11/18	3.6 - 13.6	Shallow	67.57	7.53	60.04	-1.63
	10/22/18	3.6 - 13.6	Shallow	67.57	8.53	59.04	-1.00
	05/14/19	3.6 - 13.6	Shallow	67.57	9.12	58.45	-0.59
	10/10/19	3.6 - 13.6	Shallow	67.57	12.72	54.85	-3.60
	06/23/20	3.6 - 13.6	Shallow	67.57	4.66	62.91	8.06
	10/25/20	3.6 - 13.6	Shallow	67.57	7.09	60.48	-2.43
	06/29/21	3.6 - 13.6	Shallow	67.57	5.31	62.26	-0.65
	09/30/21	3.6 - 13.6	Shallow	67.57	4.85	62.72	2.24

Table 3-1
Groundwater Level Measurements - October 2011 - October 2021
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Fort Stewart, Georgia

Well Number	Date Measured	Depth of Screened Interval (ft bgs)	Hydrologic Unit	Top of Casing Elevation (ft amsl)	Water Depth (ft btoc)	Water Elevation (ft amsl)	Difference (ft)
MW-33	10/17/11	3.6 - 13.6	Shallow	66.00	10.75	55.25	--
	04/16/12	3.6 - 13.6	Shallow	66.00	11.84	54.16	-1.09
	10/22/12	3.6 - 13.6	Shallow	66.00	9.86	56.14	1.98
	04/02/13	3.6 - 13.6	Shallow	66.00	5.04	60.96	4.82
	10/15/13	3.6 - 13.6	Shallow	66.00	7.28	58.72	-2.24
	04/23/14	3.6 - 13.6	Shallow	66.00	2.92	63.08	4.36
	09/09/14	3.6 - 13.6	Shallow	66.00	13.06	52.94	-10.14
	05/12/15	3.6 - 13.6	Shallow	66.00	3.52	62.48	9.54
	11/02/15	3.6 - 13.6	Shallow	66.00	10.55	55.45	-7.03
	04/19/16	3.6 - 13.6	Shallow	66.00	6.67	59.33	3.88
	10/24/16	3.6 - 13.6	Shallow	66.00	4.92	61.08	1.75
	06/06/17	3.6 - 13.6	Shallow	66.00	7.88	58.12	-2.96
	10/30/17	3.6 - 13.6	Shallow	66.00	4.11	61.89	3.77
	06/11/18	3.6 - 13.6	Shallow	66.00	5.87	60.13	-1.76
	10/22/18	3.6 - 13.6	Shallow	66.00	6.77	59.23	-0.90
	05/14/19	3.6 - 13.6	Shallow	66.00	7.35	58.65	-0.58
	10/10/19	3.6 - 13.6	Shallow	66.00	11.15	54.85	-3.80
	06/23/20	3.6 - 13.6	Shallow	66.00	2.96	63.04	8.19
	10/25/20	3.6 - 13.6	Shallow	66.00	5.31	60.69	-2.35
	06/29/21	3.6 - 13.6	Shallow	66.00	3.51	62.49	-0.55
	09/30/21	3.6 - 13.6	Shallow	66.00	3.07	62.93	2.24
MW-34	10/17/11	3.6 - 13.6	Shallow	68.41	13.07	55.34	--
	04/16/12	3.6 - 13.6	Shallow	68.41	13.45	54.96	-0.38
	10/22/12	3.6 - 13.6	Shallow	68.41	11.34	57.07	2.11
	04/02/13	3.6 - 13.6	Shallow	68.41	6.90	61.51	4.44
	10/15/13	3.6 - 13.6	Shallow	68.41	8.23	60.18	-1.33
	04/23/14	3.6 - 13.6	Shallow	68.41	4.86	63.55	3.37
	09/09/14	3.6 - 13.6	Shallow	68.41	13.84	54.57	-8.98
	05/12/15	3.6 - 13.6	Shallow	68.41	4.70	63.71	9.14
	11/02/15	3.6 - 13.6	Shallow	68.41	12.23	56.18	-7.53
	04/19/16	3.6 - 13.6	Shallow	68.41	8.60	59.81	3.63
	10/24/16	3.6 - 13.6	Shallow	68.41	6.56	61.85	2.04
	06/06/17	3.6 - 13.6	Shallow	68.41	9.85	58.56	-3.29
	10/30/17	3.6 - 13.6	Shallow	68.41	6.13	62.28	3.72
	06/11/18	3.6 - 13.6	Shallow	68.41	7.73	60.68	-1.60
	10/22/18	3.6 - 13.6	Shallow	68.41	8.59	59.82	-0.86
	05/14/19	3.6 - 13.6	Shallow	68.41	9.44	58.97	-0.85
	10/10/19	3.6 - 13.6	Shallow	68.41	13.30	55.11	-3.86
	06/23/20	3.6 - 13.6	Shallow	68.41	5.18	63.23	8.12
	10/26/20	3.6 - 13.6	Shallow	68.41	7.28	61.13	-2.10
	06/29/21	3.6 - 13.6	Shallow	68.41	5.68	62.73	-0.50
	09/30/21	3.6 - 13.6	Shallow	68.41	5.23	63.18	2.05

Table 3-1
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Well Number	Date Measured	Depth of Screened Interval (ft bgs)	Hydrologic Unit	Top of Casing Elevation (ft amsl)	Water Depth (ft btoc)	Water Elevation (ft amsl)	Difference (ft)
MW-35	10/17/11	23.0 - 28.0	Deep	67.78	10.52	57.26	--
	04/16/12	23.0 - 28.0	Deep	67.78	10.52	57.26	0
	10/22/12	23.0 - 28.0	Deep	67.78	4.30	63.48	6.22
	04/02/13	23.0 - 28.0	Deep	67.78	6.44	61.34	-2.14
	10/15/13	23.0 - 28.0	Deep	67.78	9.42	58.36	-2.98
	04/23/14	23.0 - 28.0	Deep	67.78	4.91	62.87	4.51
	09/09/14	23.0 - 28.0	Deep	67.78	12.10	55.68	-7.19
	05/13/15	23.0 - 28.0	Deep	67.78	5.60	62.18	6.50
	11/03/15	23.0 - 28.0	Deep	67.78	10.21	57.57	-4.61
	04/19/16	23.0 - 28.0	Deep	67.78	7.52	60.26	2.69
	10/24/16	23.0 - 28.0	Deep	67.78	6.20	61.58	1.32
	06/07/17	23.0 - 28.0	Deep	67.78	8.42	59.36	-2.22
	10/30/17	23.0 - 28.0	Deep	67.78	6.06	61.72	2.36
	06/11/18	23.0 - 28.0	Deep	67.78	6.69	61.09	-0.63
	10/22/18	23.0 - 28.0	Deep	67.78	7.53	60.25	-0.84
	05/14/19	23.0 - 28.0	Deep	67.78	8.30	59.48	-0.77
	10/10/19	23.0 - 28.0	Deep	67.78	11.15	56.63	-2.85
	06/23/20	23.0 - 28.0	Deep	67.78	4.90	62.88	6.25
	10/26/20	23.0 - 28.0	Deep	67.78	6.72	61.06	-1.82
	06/29/21	23.0 - 28.0	Deep	67.78	5.65	62.13	-0.75
	09/30/21	23.0 - 28.0	Deep	67.78	5.19	62.59	1.53
MW-36	Well abandoned						
MW-36R *	10/17/11	20.0 - 25.0	Deep	67.58	11.70	55.88	--
	04/16/12	20.0 - 25.0	Deep	67.58	11.91	55.67	-0.21
	10/22/12	20.0 - 25.0	Deep	67.58	10.52	57.06	1.39
	04/02/13	20.0 - 25.0	Deep	67.58	7.40	60.18	3.12
	10/15/13	20.0 - 25.0	Deep	67.58	9.96	57.62	-2.56
	04/23/14	20.0 - 25.0	Deep	67.58	5.56	62.02	4.40
	09/09/14	20.0 - 25.0	Deep	67.58	13.94	53.64	-8.38
	05/12/15	20.0 - 25.0	Deep	67.58	6.17	61.41	7.77
	11/02/15	20.0 - 25.0	Deep	67.58	11.40	56.18	-5.23
	04/19/16	20.0 - 25.0	Deep	67.58	8.22	59.36	3.18
	10/24/16	20.0 - 25.0	Deep	67.58	7.01	60.57	1.21
	06/06/17	20.0 - 25.0	Deep	67.58	9.45	58.13	-2.44
	10/30/17	20.0 - 25.0	Deep	67.58	6.82	60.76	2.63
	06/11/18	20.0 - 25.0	Deep	67.58	7.56	60.02	-0.74
	10/22/18	20.0 - 25.0	Deep	67.58	8.43	59.15	-0.87
	05/14/19	20.0 - 25.0	Deep	67.58	9.31	58.27	-0.88
	10/10/19	20.0 - 25.0	Deep	67.58	12.43	55.15	-3.12
	06/23/20	20.0 - 25.0	Deep	67.58	5.52	62.06	6.91
	10/25/20	20.0 - 25.0	Deep	67.58	7.53	60.05	-2.01
	06/29/21	20.0 - 25.0	Deep	67.58	6.36	61.22	-0.84
	09/29/21	20.0 - 25.0	Deep	67.58	5.79	61.79	1.74

Table 3-1
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Well Number	Date Measured	Depth of Screened Interval (ft bgs)	Hydrologic Unit	Top of Casing Elevation (ft amsl)	Water Depth (ft btoc)	Water Elevation (ft amsl)	Difference (ft)
MW-37	10/17/11	19.0 - 24.0	Deep	66.88	10.28	56.60	--
	04/16/12	19.0 - 24.0	Deep	66.88	10.81	56.07	-0.53
	10/22/12	19.0 - 24.0	Deep	66.88	9.22	57.66	1.59
	04/02/13	19.0 - 24.0	Deep	66.88	5.58	61.30	3.64
	10/15/13	19.0 - 24.0	Deep	66.88	9.81	57.07	-4.23
	04/23/14	19.0 - 24.0	Deep	66.88	3.60	63.28	6.21
	09/09/14	19.0 - 24.0	Deep	66.88	13.61	53.27	-10.01
	05/12/15	19.0 - 24.0	Deep	66.88	4.24	62.64	9.37
	11/02/15	19.0 - 24.0	Deep	66.88	10.13	56.75	-5.89
	04/19/16	19.0 - 24.0	Deep	66.88	6.59	60.29	3.54
	10/24/16	19.0 - 24.0	Deep	66.88	5.10	61.78	1.49
	06/06/17	19.0 - 24.0	Deep	66.88	7.78	59.10	-2.68
	10/30/17	19.0 - 24.0	Deep	66.88	4.79	62.09	2.99
	06/11/18	19.0 - 24.0	Deep	66.88	5.82	61.06	-1.03
	10/22/18	19.0 - 24.0	Deep	66.88	6.75	60.13	-0.93
	05/14/19	19.0 - 24.0	Deep	66.88	7.50	59.38	-0.75
	10/10/19	19.0 - 24.0	Deep	66.88	10.98	55.90	-3.48
	06/23/20	19.0 - 24.0	Deep	66.88	3.54	63.34	7.44
	10/25/20	19.0 - 24.0	Deep	66.88	5.71	61.17	-2.17
	06/29/21	19.0 - 24.0	Deep	66.88	4.12	62.76	-0.58
	09/30/21	19.0 - 24.0	Deep	66.88	3.89	62.99	1.82
MW-38	10/17/11	24.1 - 29.1	Deep	66.17	11.23	54.94	--
	04/16/12	24.1 - 29.1	Deep	66.17	12.34	53.83	-1.11
	10/22/12	24.1 - 29.1	Deep	66.17	10.61	55.56	1.73
	04/02/13	24.1 - 29.1	Deep	66.17	6.05	60.12	4.56
	10/15/13	24.1 - 29.1	Deep	66.17	13.41	52.76	-7.36
	04/23/14	24.1 - 29.1	Deep	66.17	4.31	61.86	9.10
	09/09/14	24.1 - 29.1	Deep	66.17	15.97	50.20	-11.66
	05/12/15	24.1 - 29.1	Deep	66.17	4.55	61.62	11.42
	11/02/15	24.1 - 29.1	Deep	66.17	11.23	54.94	-6.68
	04/19/16	24.1 - 29.1	Deep	66.17	7.42	58.75	3.81
	10/24/16	24.1 - 29.1	Deep	66.17	5.62	60.55	1.80
	06/06/17	24.1 - 29.1	Deep	66.17	8.49	57.68	-2.87
	10/30/17	24.1 - 29.1	Deep	66.17	5.30	60.87	3.19
	06/11/18	24.1 - 29.1	Deep	66.17	6.43	59.74	-1.13
	10/22/18	24.1 - 29.1	Deep	66.17	7.39	58.78	-0.96
	05/14/19	24.1 - 29.1	Deep	66.17	8.29	57.88	-0.90
	10/10/19	24.1 - 29.1	Deep	66.17	11.87	54.30	-3.58
	06/23/20	24.1 - 29.1	Deep	66.17	3.99	62.18	7.88
	10/26/20	24.1 - 29.1	Deep	66.17	6.29	59.88	-2.30
	06/29/21	24.1 - 29.1	Deep	66.17	4.68	61.49	-0.69
	09/30/21	24.1 - 29.1	Deep	66.17	4.27	61.90	2.02

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Well Number	Date Measured	Depth of Screened Interval (ft bgs)	Hydrologic Unit	Top of Casing Elevation (ft amsl)	Water Depth (ft btoc)	Water Elevation (ft amsl)	Difference (ft)
MW-39	10/17/11	20.1 - 25.1	Deep	65.23	10.69	54.54	--
	04/16/12	20.1 - 25.1	Deep	65.23	12.18	53.05	-1.49
	10/22/12	20.1 - 25.1	Deep	65.23	10.56	54.67	1.62
	04/02/13	20.1 - 25.1	Deep	65.23	5.50	59.73	5.06
	10/15/13	20.1 - 25.1	Deep	65.23	9.92	55.31	-4.42
	04/23/14	20.1 - 25.1	Deep	65.23	2.94	62.29	6.98
	09/09/14	20.1 - 25.1	Deep	65.23	15.11	50.12	-12.17
	05/12/15	20.1 - 25.1	Deep	65.23	3.82	61.41	11.29
	11/02/15	20.1 - 25.1	Deep	65.23	11.61	53.62	-7.79
	04/19/16	20.1 - 25.1	Deep	65.23	6.99	58.24	4.62
	10/24/16	20.1 - 25.1	Deep	65.23	5.17	60.06	1.82
	06/06/17	20.1 - 25.1	Deep	65.23	7.93	57.30	-2.76
	10/30/17	20.1 - 25.1	Deep	65.23	4.39	60.84	3.54
	06/11/18	20.1 - 25.1	Deep	65.23	5.87	59.36	-1.48
	10/22/18	20.1 - 25.1	Deep	65.23	7.22	58.01	-1.35
	05/14/19	20.1 - 25.1	Deep	65.23	7.47	57.76	-0.25
	10/10/19	20.1 - 25.1	Deep	65.23	11.17	54.06	-3.70
	06/23/20	20.1 - 25.1	Deep	65.23	2.95	62.28	8.22
	10/25/20	20.1 - 25.1	Deep	65.23	5.56	59.67	-2.61
	06/29/21	20.1 - 25.1	Deep	65.23	3.84	61.39	-0.89
	09/30/21	20.1 - 25.1	Deep	65.23	2.98	62.25	2.58
MW-40	10/17/11	2.3 - 12.3	Shallow	65.21	10.87	54.34	--
	04/16/12	2.3 - 12.3	Shallow	65.21	12.05	53.16	-1.18
	10/22/12	2.3 - 12.3	Shallow	65.21	11.03	54.18	1.02
	04/02/13	2.3 - 12.3	Shallow	65.21	5.40	59.81	5.63
	10/15/13	2.3 - 12.3	Shallow	65.21	6.85	58.36	-1.45
	04/23/14	2.3 - 12.3	Shallow	65.21	2.79	62.42	4.06
	09/09/14	2.3 - 12.3	Shallow	65.21	11.95	53.26	-9.16
	05/12/15	2.3 - 12.3	Shallow	65.21	3.76	61.45	8.19
	11/02/15	2.3 - 12.3	Shallow	65.21	11.54	53.67	-7.78
	04/19/16	2.3 - 12.3	Shallow	65.21	6.94	58.27	4.60
	10/24/16	2.3 - 12.3	Shallow	65.21	5.22	59.99	1.72
	06/06/17	2.3 - 12.3	Shallow	65.21	7.74	57.47	-2.52
	10/30/17	2.3 - 12.3	Shallow	65.21	4.21	61.00	3.53
	06/11/18	2.3 - 12.3	Shallow	65.21	5.80	59.41	-1.59
	10/22/18	2.3 - 12.3	Shallow	65.21	7.08	58.13	-1.28
	05/14/19	2.3 - 12.3	Shallow	65.21	7.02	58.19	0.06
	10/10/19	2.3 - 12.3	Shallow	65.21	11.11	54.10	-4.09
	06/23/20	2.3 - 12.3	Shallow	65.21	2.85	62.36	8.26
	10/25/20	2.3 - 12.3	Shallow	65.21	5.37	59.84	-2.52
	06/29/21	2.3 - 12.3	Shallow	65.21	3.75	61.46	-0.90
	09/30/21	2.3 - 12.3	Shallow	65.21	3.04	62.17	2.33

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Well Number	Date Measured	Depth of Screened Interval (ft bgs)	Hydrologic Unit	Top of Casing Elevation (ft amsl)	Water Depth (ft btoc)	Water Elevation (ft amsl)	Difference (ft)
MW-41	10/17/11	2.0 - 12.0	Shallow	67.40	11.71	55.69	--
	04/16/12	2.0 - 12.0	Shallow	67.40	12.75	54.65	-1.04
	10/22/12	2.0 - 12.0	Shallow	67.40	10.74	56.66	2.01
	04/02/13	2.0 - 12.0	Shallow	67.40	5.90	61.50	4.84
	10/15/13	2.0 - 12.0	Shallow	67.40	8.53	58.87	-2.63
	04/23/14	2.0 - 12.0	Shallow	67.40	3.99	63.41	4.54
	09/09/14	2.0 - 12.0	Shallow	67.40	13.31	54.09	-9.32
	05/12/15	2.0 - 12.0	Shallow	67.40	4.55	62.85	8.76
	11/02/15	2.0 - 12.0	Shallow	67.40	11.50	55.90	-6.95
	04/19/16	2.0 - 12.0	Shallow	67.40	7.81	59.59	3.69
	10/24/16	2.0 - 12.0	Shallow	67.40	5.67	61.73	2.14
	06/06/17	2.0 - 12.0	Shallow	67.40	8.86	58.54	-3.19
	10/30/17	2.0 - 12.0	Shallow	67.40	5.34	62.06	3.52
	06/11/18	2.0 - 12.0	Shallow	67.40	6.82	60.58	-1.48
	10/22/18	2.0 - 12.0	Shallow	67.40	7.68	59.72	-0.86
	05/14/19	2.0 - 12.0	Shallow	67.40	8.55	58.85	-0.87
	10/10/19	2.0 - 12.0	Shallow	67.40	12.20	55.20	-3.65
	06/23/20	2.0 - 12.0	Shallow	67.40	4.29	63.11	7.91
	10/26/20	2.0 - 12.0	Shallow	67.40	6.51	60.89	-2.22
	06/29/21	2.0 - 12.0	Shallow	67.40	4.84	62.56	-0.55
	09/30/21	2.0 - 12.0	Shallow	67.40	4.44	62.96	2.07
MW-42	10/17/11	17.0 - 22.0	Deep	67.30	11.81	55.49	--
	04/16/12	17.0 - 22.0	Deep	67.30	13.60	53.70	-1.79
	10/22/12	17.0 - 22.0	Deep	67.30	11.91	55.39	1.69
	04/02/13	17.0 - 22.0	Deep	67.30	6.57	60.73	5.34
	10/15/13	17.0 - 22.0	Deep	67.30	10.36	56.94	-3.79
	04/23/14	17.0 - 22.0	Deep	67.30	4.08	63.22	6.28
	09/09/14	17.0 - 22.0	Deep	67.30	15.00	52.30	-10.92
	05/12/15	17.0 - 22.0	Deep	67.30	5.10	62.20	9.90
	11/02/15	17.0 - 22.0	Deep	67.30	12.29	55.01	-7.19
	04/19/16	17.0 - 22.0	Deep	67.30	7.92	59.38	4.37
	10/24/16	17.0 - 22.0	Deep	67.30	5.92	61.38	2.00
	06/06/17	17.0 - 22.0	Deep	67.30	8.86	58.44	-2.94
	10/30/17	17.0 - 22.0	Deep	67.30	5.36	61.94	3.50
	06/11/18	17.0 - 22.0	Deep	67.30	6.83	60.47	-1.47
	10/22/18	17.0 - 22.0	Deep	67.30	7.92	59.38	-1.09
	05/14/19	17.0 - 22.0	Deep	67.30	8.58	58.72	-0.66
	10/10/19	17.0 - 22.0	Deep	67.30	12.20	55.10	-3.62
	06/23/20	17.0 - 22.0	Deep	67.30	4.07	63.23	8.13
	10/25/20	17.0 - 22.0	Deep	67.30	6.58	60.72	-2.51
	06/29/21	17.0 - 22.1	Deep	67.30	4.79	62.51	-0.72
	09/30/21	17.0 - 22.1	Deep	67.30	4.35	62.95	2.23

Table 3-1
Groundwater Level Measurements - October 2011 - October 2021
SWMU 26, Former 724th Tanker Purging Station
Fort Stewart, Georgia

Well Number	Date Measured	Depth of Screened Interval (ft bgs)	Hydrologic Unit	Top of Casing Elevation (ft amsl)	Water Depth (ft btoc)	Water Elevation (ft amsl)	Difference (ft)
MW-43	10/17/11	17.7 - 22.7	Deep	66.49	11.02	55.47	--
	04/16/12	17.7 - 22.7	Deep	66.49	12.33	54.16	-1.31
	10/22/12	17.7 - 22.7	Deep	66.49	10.56	55.93	1.77
	04/02/13	17.7 - 22.7	Deep	66.49	5.71	60.78	4.85
	10/15/13	17.7 - 22.7	Deep	66.49	9.78	56.71	-4.07
	04/23/14	17.7 - 22.7	Deep	66.49	3.32	63.17	6.46
	09/09/14	17.7 - 22.7	Deep	66.49	14.61	51.88	-11.29
	05/12/15	17.7 - 22.7	Deep	66.49	3.99	62.50	10.62
	11/02/15	17.7 - 22.7	Deep	66.49	11.23	55.26	-7.24
	04/19/16	17.7 - 22.7	Deep	66.49	7.11	59.38	4.12
	10/24/16	17.7 - 22.7	Deep	66.49	5.18	61.31	1.93
	06/06/17	17.7 - 22.7	Deep	66.49	8.24	58.25	-3.06
	10/30/17	17.7 - 22.7	Deep	66.49	4.71	61.78	3.53
	06/11/18	17.7 - 22.7	Deep	66.49	6.16	60.33	-1.45
	10/22/18	17.7 - 22.7	Deep	66.49	7.20	59.29	-1.04
	05/14/19	17.7 - 22.7	Deep	66.49	7.86	58.63	-0.66
	10/10/19	17.7 - 22.7	Deep	66.49	11.52	54.97	-3.66
	06/23/20	17.7 - 22.7	Deep	66.49	3.37	63.12	8.15
	10/25/20	17.7 - 22.7	Deep	66.49	5.79	60.70	-2.42
	06/29/21	17.7 - 22.8	Deep	66.49	4.05	62.44	-0.68
	09/30/21	17.7 - 22.8	Deep	66.49	3.58	62.91	2.21
MW-44	10/17/11	16.7 - 21.7	Deep	67.96	12.31	55.65	--
	04/16/12	16.7 - 21.7	Deep	67.96	12.78	55.18	-0.47
	10/22/12	16.7 - 21.7	Deep	67.96	10.84	57.12	1.94
	04/02/13	16.7 - 21.7	Deep	67.96	6.59	61.37	4.25
	10/15/13	16.7 - 21.7	Deep	67.96	9.48	58.48	-2.89
	04/23/14	16.7 - 21.7	Deep	67.96	4.44	63.52	5.04
	09/09/14	16.7 - 21.7	Deep	67.96	14.18	53.78	-9.74
	05/12/15	16.7 - 21.7	Deep	67.96	5.18	62.78	9.00
	11/02/15	16.7 - 21.7	Deep	67.96	11.69	56.27	-6.51
	04/19/16	16.7 - 21.7	Deep	67.96	8.01	59.95	3.68
	10/24/16	16.7 - 21.7	Deep	67.96	6.07	61.89	1.94
	06/06/17	16.7 - 21.7	Deep	67.96	9.29	58.67	-3.22
	10/30/17	16.7 - 21.7	Deep	67.96	5.88	62.08	3.41
	06/11/18	16.7 - 21.7	Deep	67.96	7.12	60.84	-1.24
	10/22/18	16.7 - 21.7	Deep	67.96	8.05	59.91	-0.93
	05/14/19	16.7 - 21.7	Deep	67.96	8.96	59.00	-0.91
	10/10/19	16.7 - 21.7	Deep	67.96	12.72	55.24	-3.76
	06/23/20	16.7 - 21.7	Deep	67.96	4.50	63.46	8.22
	10/26/20	16.7 - 21.7	Deep	67.96	6.85	61.11	-2.35
	06/29/21	16.7 - 21.7	Deep	67.96	5.18	62.78	-0.68
	09/30/21	16.7 - 21.7	Deep	67.96	4.74	63.22	2.11

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Well Number	Date Measured	Depth of Screened Interval (ft bgs)	Hydrologic Unit	Top of Casing Elevation (ft amsl)	Water Depth (ft btoc)	Water Elevation (ft amsl)	Difference (ft)
MW-45	10/17/11	18.0 - 23.0	Deep	68.79	12.61	56.18	--
	04/16/12	18.0 - 23.0	Deep	68.79	13.10	55.69	-0.49
	10/22/12	18.0 - 23.0	Deep	68.79	11.34	57.45	1.76
	04/02/13	18.0 - 23.0	Deep	68.79	7.45	61.34	3.89
	10/15/13	18.0 - 23.0	Deep	68.79	11.46	57.33	-4.01
	04/23/14	18.0 - 23.0	Deep	68.79	5.33	63.46	6.13
	09/09/14	18.0 - 23.0	Deep	68.79	15.60	53.19	-10.27
	05/12/15	18.0 - 23.0	Deep	68.79	6.04	62.75	9.56
	11/02/15	18.0 - 23.0	Deep	68.79	12.19	56.60	-6.15
	04/19/16	18.0 - 23.0	Deep	68.79	NM	NM	NM
	10/24/16	18.0 - 23.0	Deep	68.79	6.89	61.90	5.30
	06/06/17	18.0 - 23.0	Deep	68.79	9.85	58.94	-2.96
	10/30/17	18.0 - 23.0	Deep	68.79	6.82	61.97	3.03
	06/11/18	18.0 - 23.0	Deep	68.79	7.79	61.00	-0.97
	10/22/18	18.0 - 23.0	Deep	68.79	8.69	60.10	-0.90
	05/14/19	18.0 - 23.0	Deep	68.79	9.64	59.15	-0.95
	10/10/19	18.0 - 23.0	Deep	68.79	13.23	55.56	-3.59
	06/23/20	18.0 - 23.0	Deep	68.79	5.36	63.43	7.87
	10/25/20	18.0 - 23.0	Deep	68.79	7.54	61.25	-2.18
	06/29/21	18.0 - 23.0	Deep	68.79	6.07	62.72	-0.71
	09/30/21	18.0 - 23.0	Deep	68.79	5.70	63.09	1.84
MW-46	10/17/11	19.9 - 24.5	Deep	68.09	11.34	56.75	--
	04/16/12	19.9 - 24.5	Deep	68.09	11.62	56.47	-0.28
	10/22/12	19.9 - 24.5	Deep	68.09	10.04	58.05	1.58
	04/02/13	19.9 - 24.5	Deep	68.09	7.58	60.51	2.46
	10/15/13	19.9 - 24.5	Deep	68.09	9.43	58.66	-1.85
	04/23/14	19.9 - 24.5	Deep	68.09	4.94	63.15	4.49
	09/09/14	19.9 - 24.5	Deep	68.09	13.60	54.49	-8.66
	05/12/15	19.9 - 24.5	Deep	68.09	5.57	62.52	8.03
	11/02/15	19.9 - 24.5	Deep	68.09	10.95	57.14	-5.38
	04/19/16	19.9 - 24.5	Deep	68.09	7.72	60.37	3.23
	10/24/16	19.9 - 24.5	Deep	68.09	6.37	61.72	1.35
	06/06/17	19.9 - 24.5	Deep	68.09	8.98	59.11	-2.61
	10/30/17	19.9 - 24.5	Deep	68.09	6.16	61.93	2.82
	06/11/18	19.9 - 24.5	Deep	68.09	7.05	61.04	-0.89
	10/22/18	19.9 - 24.5	Deep	68.09	7.96	60.13	-0.91
	05/14/19	19.9 - 24.5	Deep	68.09	8.81	59.28	-0.85
	10/10/19	19.9 - 24.5	Deep	68.09	12.01	56.08	-3.20
	06/23/20	19.9 - 24.5	Deep	68.09	4.95	63.14	7.06
	10/25/20	19.9 - 24.5	Deep	68.09	6.95	61.14	-2.00
	06/29/21	19.9 - 24.5	Deep	68.09	5.69	62.40	-0.74
	09/30/21	19.9 - 24.5	Deep	68.09	5.23	62.86	1.72

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Well Number	Date Measured	Depth of Screened Interval (ft bgs)	Hydrologic Unit	Top of Casing Elevation (ft amsl)	Water Depth (ft btoc)	Water Elevation (ft amsl)	Difference (ft)
MW-47	10/17/11	3.9 - 13.5	Shallow	65.30	10.20	55.10	--
	04/16/12	3.9 - 13.5	Shallow	65.30	11.35	53.95	-1.15
	10/22/12	3.9 - 13.5	Shallow	65.30	5.59	59.71	5.76
	04/02/13	3.9 - 13.5	Shallow	65.30	4.32	60.98	1.27
	10/15/13	3.9 - 13.5	Shallow	65.30	3.91	61.39	0.41
	04/23/14	3.9 - 13.5	Shallow	65.30	2.27	63.03	1.64
	09/09/14	3.9 - 13.5	Shallow	65.30	Dry	NM	NA
	05/12/15	3.9 - 13.5	Shallow	65.30	2.69	62.61	NA
	11/02/15	3.9 - 13.5	Shallow	65.30	7.75	57.55	-5.06
	04/19/16	3.9 - 13.5	Shallow	65.30	6.11	59.19	1.64
	10/24/16	3.9 - 13.5	Shallow	65.30	4.33	60.97	1.78
	06/06/17	3.9 - 13.5	Shallow	65.30	7.39	57.91	-3.06
	10/30/17	3.9 - 13.5	Shallow	65.30	3.25	62.05	4.14
	06/11/18	3.9 - 13.5	Shallow	65.30	5.40	59.90	-2.15
	10/22/18	3.9 - 13.5	Shallow	65.30	6.36	58.94	-0.96
	05/14/19	3.9 - 13.5	Shallow	65.30	6.90	58.40	-0.54
	10/10/19	3.9 - 13.5	Shallow	65.30	10.55	54.75	-3.65
	06/23/20	3.9 - 13.5	Shallow	65.30	2.21	63.09	8.34
	10/25/20	3.9 - 13.5	Shallow	65.30	4.73	60.57	-2.52
	06/29/21	3.9 - 13.5	Shallow	65.30	2.70	62.60	-0.49
	09/30/21	3.9 - 13.5	Shallow	65.30	2.33	62.97	2.40
MW-48	10/17/11	23.4 - 27.9	Deep	65.20	10.05	55.15	--
	04/16/12	23.4 - 27.9	Deep	65.20	11.22	53.98	-1.17
	10/22/12	23.4 - 27.9	Deep	65.20	9.45	55.75	1.77
	04/02/13	23.4 - 27.9	Deep	65.20	4.42	60.78	5.03
	10/15/13	23.4 - 27.9	Deep	65.20	8.94	56.26	-4.52
	04/23/14	23.4 - 27.9	Deep	65.20	2.11	63.09	6.83
	09/09/14	23.4 - 27.9	Deep	65.20	13.35	51.85	-11.24
	05/12/15	23.4 - 27.9	Deep	65.20	2.77	62.43	10.58
	11/02/15	23.4 - 27.9	Deep	65.20	10.09	55.11	-7.32
	04/19/16	23.4 - 27.9	Deep	65.20	5.95	59.25	4.14
	10/24/16	23.4 - 27.9	Deep	65.20	4.02	61.18	1.93
	06/06/17	23.4 - 27.9	Deep	65.20	7.20	58.00	-3.18
	10/30/17	23.4 - 27.9	Deep	65.20	3.33	61.87	3.87
	06/11/18	23.4 - 27.9	Deep	65.20	5.01	60.19	-1.68
	10/22/18	23.4 - 27.9	Deep	65.20	6.15	59.05	-1.14
	05/14/19	23.4 - 27.9	Deep	65.20	6.74	58.46	-0.59
	10/10/19	23.4 - 27.9	Deep	65.20	10.45	54.75	-3.71
	06/23/20	23.4 - 27.9	Deep	65.20	2.11	63.09	8.34
	10/25/20	23.4 - 27.9	Deep	65.20	4.58	60.62	-2.47
	06/29/21	23.4 - 27.9	Deep	65.20	2.78	62.42	-0.67
	09/30/21	23.4 - 27.9	Deep	65.20	2.35	62.85	2.23

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Well Number	Date Measured	Depth of Screened Interval (ft bgs)	Hydrologic Unit	Top of Casing Elevation (ft amsl)	Water Depth (ft btoc)	Water Elevation (ft amsl)	Difference (ft)
MW-49	10/17/11	3.9 - 13.5	Shallow	67.60	11.93	55.67	--
	04/16/12	3.9 - 13.5	Shallow	67.60	13.08	54.52	-1.15
	10/22/12	3.9 - 13.5	Shallow	67.60	12.05	55.55	1.03
	04/02/13	3.9 - 13.5	Shallow	67.60	6.65	60.95	5.40
	10/15/13	3.9 - 13.5	Shallow	67.60	9.02	58.58	-2.37
	04/23/14	3.9 - 13.5	Shallow	67.60	5.08	62.52	3.94
	09/09/14	3.9 - 13.5	Shallow	67.60	13.71	53.89	-8.63
	05/12/15	3.9 - 13.5	Shallow	67.60	5.12	62.48	8.59
	11/02/15	3.9 - 13.5	Shallow	67.60	12.78	54.82	-7.66
	04/19/16	3.9 - 13.5	Shallow	67.60	5.41	62.19	7.37
	10/24/16	3.9 - 13.5	Shallow	67.60	6.73	60.87	-1.32
	06/06/17	3.9 - 13.5	Shallow	67.60	9.27	58.33	-2.54
	10/30/17	3.9 - 13.5	Shallow	67.60	5.73	61.87	3.54
	06/11/18	3.9 - 13.5	Shallow	67.60	7.27	60.33	-1.54
	10/22/18	3.9 - 13.5	Shallow	67.60	8.24	59.36	-0.97
	05/14/19	3.9 - 13.5	Shallow	67.60	8.94	58.66	-0.70
	10/10/19	3.9 - 13.5	Shallow	67.60	11.44	56.16	-2.50
	06/23/20	3.9 - 13.5	Shallow	67.60	4.54	63.06	6.90
	10/25/20	3.9 - 13.5	Shallow	67.60	6.95	60.65	-2.41
	06/29/21	3.9 - 13.5	Shallow	67.60	5.09	62.51	-0.55
	09/30/21	3.9 - 13.5	Shallow	67.60	4.70	62.90	2.25
MW-50	10/17/11	29.6 - 31.4	Deep	67.52	11.79	55.73	--
	04/16/12	29.6 - 31.4	Deep	67.52	13.53	53.99	-1.74
	10/22/12	29.6 - 31.4	Deep	67.52	12.15	55.37	1.38
	04/02/13	29.6 - 31.4	Deep	67.52	6.88	60.64	5.27
	10/15/13	29.6 - 31.4	Deep	67.52	13.73	53.79	-6.85
	04/23/14	29.6 - 31.4	Deep	67.52	4.53	62.99	9.20
	09/09/14	29.6 - 31.4	Deep	67.52	18.35	49.17	-13.82
	05/12/15	29.6 - 31.4	Deep	67.52	5.23	62.29	13.12
	11/02/15	29.6 - 31.4	Deep	67.52	12.77	54.75	-7.54
	04/19/16	29.6 - 31.4	Deep	67.52	8.33	59.19	4.44
	10/24/16	29.6 - 31.4	Deep	67.52	6.39	61.13	1.94
	06/06/17	29.6 - 31.4	Deep	67.52	9.19	58.33	-2.80
	10/30/17	29.6 - 31.4	Deep	67.52	5.99	61.53	3.20
	06/11/18	29.6 - 31.4	Deep	67.52	7.19	60.33	-1.20
	10/22/18	29.6 - 31.4	Deep	67.52	8.31	59.21	-1.12
	05/14/19	29.6 - 31.4	Deep	67.52	8.99	58.53	-0.68
	10/10/19	29.6 - 31.4	Deep	67.52	12.48	55.04	-3.49
	06/23/20	29.6 - 31.4	Deep	67.52	4.58	62.94	7.90
	10/25/20	29.6 - 31.4	Deep	67.52	7.15	60.37	-2.57
	06/29/21	29.6 - 31.4	Deep	67.52	5.38	62.14	-0.80
	09/30/21	29.6 - 31.4	Deep	67.52	4.93	62.59	2.22

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Well Number	Date Measured	Depth of Screened Interval (ft bgs)	Hydrologic Unit	Top of Casing Elevation (ft amsl)	Water Depth (ft btoc)	Water Elevation (ft amsl)	Difference (ft)
MW-51	10/17/11	3.9 - 13.5	Shallow	66.34	10.90	55.44	--
	04/16/12	3.9 - 13.5	Shallow	66.34	12.56	53.78	-1.66
	10/22/12	3.9 - 13.5	Shallow	66.34	10.64	55.70	1.92
	04/02/13	3.9 - 13.5	Shallow	66.34	5.46	60.88	5.18
	10/15/13	3.9 - 13.5	Shallow	66.34	7.92	58.42	-2.46
	04/23/14	3.9 - 13.5	Shallow	66.34	3.21	63.13	4.71
	09/09/14	3.9 - 13.5	Shallow	66.34	13.35	52.99	-10.14
	05/12/15	3.9 - 13.5	Shallow	66.34	3.99	62.35	9.36
	11/02/15	3.9 - 13.5	Shallow	66.34	11.25	55.09	-7.26
	04/19/16	3.9 - 13.5	Shallow	66.34	7.17	59.17	4.08
	10/24/16	3.9 - 13.5	Shallow	66.34	5.18	61.16	1.99
	06/06/17	3.9 - 13.5	Shallow	66.34	8.19	58.15	-3.01
	10/30/17	3.9 - 13.5	Shallow	66.34	4.55	61.79	3.64
	06/11/18	3.9 - 13.5	Shallow	66.34	6.15	60.19	-1.60
	10/22/18	3.9 - 13.5	Shallow	66.34	7.18	59.16	-1.03
	05/14/19	3.9 - 13.5	Shallow	66.34	7.75	58.59	-0.57
	10/10/19	3.9 - 13.5	Shallow	66.34	11.45	54.89	-3.70
	06/23/20	3.9 - 13.5	Shallow	66.34	3.34	63.00	8.11
	10/25/20	3.9 - 13.5	Shallow	66.34	5.70	60.64	-2.36
	06/29/21	3.9 - 13.5	Shallow	66.34	3.93	62.41	-0.59
	09/30/21	3.9 - 13.5	Shallow	66.34	3.47	62.87	2.23
MW-52	10/17/11	25.9 - 30.4	Deep	66.44	10.81	55.63	--
	04/16/12	25.9 - 30.4	Deep	66.44	12.49	53.95	-1.68
	10/22/12	25.9 - 30.4	Deep	66.44	11.01	55.43	1.48
	04/02/13	25.9 - 30.4	Deep	66.44	5.80	60.64	5.21
	10/15/13	25.9 - 30.4	Deep	66.44	12.06	54.38	-6.26
	04/23/14	25.9 - 30.4	Deep	66.44	3.45	62.99	8.61
	09/09/14	25.9 - 30.4	Deep	66.44	16.82	49.62	-13.37
	05/12/15	25.9 - 30.4	Deep	66.44	4.09	62.35	12.73
	11/02/15	25.9 - 30.4	Deep	66.44	11.66	54.78	-7.57
	04/19/16	25.9 - 30.4	Deep	66.44	7.26	59.18	4.40
	10/24/16	25.9 - 30.4	Deep	66.44	5.29	61.15	1.97
	06/06/17	25.9 - 30.4	Deep	66.44	8.19	58.25	-2.90
	10/30/17	25.9 - 30.4	Deep	66.44	4.83	61.61	3.36
	06/11/18	25.9 - 30.4	Deep	66.44	6.14	60.30	-1.31
	10/22/18	25.9 - 30.4	Deep	66.44	7.22	59.22	-1.08
	05/14/19	25.9 - 30.4	Deep	66.44	7.93	58.51	-0.71
	10/10/19	25.9 - 30.4	Deep	66.44	11.49	54.95	-3.56
	06/23/20	25.9 - 30.4	Deep	66.44	3.46	62.98	8.03
	10/25/20	25.9 - 30.4	Deep	66.44	6.00	60.44	-2.54
	06/29/21	25.9 - 30.4	Deep	66.44	4.25	62.19	-0.79
	09/30/21	25.9 - 30.4	Deep	66.44	3.73	62.71	2.27

Table 3-1
Groundwater Level Measurements - October 2011 - October 2021
SWMU 26, Former 724th Tanker Purging Station
Fort Stewart, Georgia

Well Number	Date Measured	Depth of Screened Interval (ft bgs)	Hydrologic Unit	Top of Casing Elevation (ft amsl)	Water Depth (ft btoc)	Water Elevation (ft amsl)	Difference (ft)
MW-53	10/17/11	26.7 - 31.1	Deep	67.84	11.89	55.95	--
	04/16/12	26.7 - 31.1	Deep	67.84	13.38	54.46	-1.49
	10/22/12	26.7 - 31.1	Deep	67.84	12.06	55.78	1.32
	04/02/13	26.7 - 31.1	Deep	67.84	7.11	60.73	4.95
	10/15/13	26.7 - 31.1	Deep	67.84	13.81	54.03	-6.70
	04/23/14	26.7 - 31.1	Deep	67.84	5.11	62.73	8.70
	09/09/14	26.7 - 31.1	Deep	67.84	17.07	50.77	-11.96
	05/12/15	26.7 - 31.1	Deep	67.84	5.51	62.33	11.56
	11/02/15	26.7 - 31.1	Deep	67.84	12.67	55.17	-7.16
	04/19/16	26.7 - 31.1	Deep	67.84	8.63	59.21	4.04
	10/24/16	26.7 - 31.1	Deep	67.84	6.64	61.20	1.99
	06/06/17	26.7 - 31.1	Deep	67.84	9.41	58.43	-2.77
	10/30/17	26.7 - 31.1	Deep	67.84	6.29	61.55	3.12
	06/11/18	26.7 - 31.1	Deep	67.84	7.39	60.45	-1.10
	10/22/18	26.7 - 31.1	Deep	67.84	8.48	59.36	-1.09
	05/14/19	26.7 - 31.1	Deep	67.84	9.52	58.32	-1.04
	10/10/19	26.7 - 31.1	Deep	67.84	12.60	55.24	-3.08
	06/23/20	26.7 - 31.1	Deep	67.84	4.86	62.98	7.74
	10/25/20	26.7 - 31.1	Deep	67.84	7.45	60.39	-2.59
	06/29/21	26.7 - 31.1	Deep	67.84	5.67	62.17	-0.81
	09/30/21	26.7 - 31.1	Deep	67.84	5.22	62.62	2.23
MW-54	10/17/11	26.9 - 31.4	Deep	67.79	11.70	56.09	--
	04/16/12	26.9 - 31.4	Deep	67.79	12.92	54.87	-1.22
	10/22/12	26.9 - 31.4	Deep	67.79	11.25	56.54	1.67
	04/02/13	26.9 - 31.4	Deep	67.79	6.55	61.24	4.70
	10/15/13	26.9 - 31.4	Deep	67.79	14.09	53.70	-7.54
	04/23/14	26.9 - 31.4	Deep	67.79	4.74	63.05	9.35
	09/09/14	26.9 - 31.4	Deep	67.79	16.60	51.19	-11.86
	05/12/15	26.9 - 31.4	Deep	67.79	5.22	62.57	11.38
	11/02/15	26.9 - 31.4	Deep	67.79	11.91	55.88	-6.69
	04/19/16	26.9 - 31.4	Deep	67.79	8.26	59.53	3.65
	10/24/16	26.9 - 31.4	Deep	67.79	6.11	61.68	2.15
	06/06/17	26.9 - 31.4	Deep	67.79	9.04	58.75	-2.93
	10/30/17	26.9 - 31.4	Deep	67.79	5.85	61.94	3.19
	06/11/18	26.9 - 31.4	Deep	67.79	6.99	60.80	-1.14
	10/22/18	26.9 - 31.4	Deep	67.79	7.97	59.82	-0.98
	05/14/19	26.9 - 31.4	Deep	67.79	8.86	58.93	-0.89
	10/10/19	26.9 - 31.4	Deep	67.79	12.38	55.41	-3.52
	06/23/20	26.9 - 31.4	Deep	67.79	4.58	63.21	7.80
	10/25/20	26.9 - 31.4	Deep	67.79	7.00	60.79	-2.42
	06/29/21	26.9 - 31.4	Deep	67.79	5.30	62.49	-0.72
	09/30/21	26.9 - 31.4	Deep	67.79	4.86	62.93	2.14

Table 3-1
Groundwater Level Measurements - October 2011 - October 2021
SWMU 26, Former 724th Tanker Purging Station
Fort Stewart, Georgia

Well Number	Date Measured	Depth of Screened Interval (ft bgs)	Hydrologic Unit	Top of Casing Elevation (ft amsl)	Water Depth (ft btoc)	Water Elevation (ft amsl)	Difference (ft)
MW-55	10/17/11	26.9 - 31.4	Deep	67.68	11.47	56.21	--
	04/16/12	26.9 - 31.4	Deep	67.68	12.28	55.40	-0.81
	10/22/12	26.9 - 31.4	Deep	67.68	10.49	57.19	1.79
	04/02/13	26.9 - 31.4	Deep	67.68	6.41	61.27	4.08
	10/15/13	26.9 - 31.4	Deep	67.68	13.06	54.62	-6.65
	04/23/14	26.9 - 31.4	Deep	67.68	4.30	63.38	8.76
	09/09/14	26.9 - 31.4	Deep	67.68	15.57	52.11	-11.27
	05/12/15	26.9 - 31.4	Deep	67.68	5.03	62.65	10.54
	11/02/15	26.9 - 31.4	Deep	67.68	10.52	57.16	-5.49
	04/19/16	26.9 - 31.4	Deep	67.68	7.68	60.00	2.84
	10/24/16	26.9 - 31.4	Deep	67.68	5.92	61.76	1.76
	06/06/17	26.9 - 31.4	Deep	67.68	8.79	58.89	-2.87
	10/30/17	26.9 - 31.4	Deep	67.68	5.57	62.11	3.22
	06/11/18	26.9 - 31.4	Deep	67.68	6.72	60.96	-1.15
	10/22/18	26.9 - 31.4	Deep	67.68	7.68	60.00	-0.96
	05/14/19	26.9 - 31.4	Deep	67.68	8.61	59.07	-0.93
	10/10/19	26.9 - 31.4	Deep	67.68	12.18	55.50	-3.57
	06/23/20	26.9 - 31.4	Deep	67.68	4.39	63.29	7.79
	10/26/20	26.9 - 31.4	Deep	67.68	6.71	60.97	-2.32
	06/29/21	26.9 - 31.4	Deep	67.68	5.09	62.59	-0.70
	09/30/21	26.9 - 31.4	Deep	67.68	4.67	63.01	2.04
MW-56	10/17/11	26.9 - 31.4	Deep	68.08	11.71	56.37	--
	04/16/12	26.9 - 31.4	Deep	68.08	12.70	55.38	-0.99
	10/22/12	26.9 - 31.4	Deep	68.08	11.11	56.97	1.59
	04/02/13	26.9 - 31.4	Deep	68.08	6.90	61.18	4.21
	10/15/13	26.9 - 31.4	Deep	68.08	14.16	53.92	-7.26
	04/23/14	26.9 - 31.4	Deep	68.08	5.09	62.99	9.07
	09/09/14	26.9 - 31.4	Deep	68.08	16.20	51.88	-11.11
	05/12/15	26.9 - 31.4	Deep	68.08	5.93	62.15	10.27
	11/02/15	26.9 - 31.4	Deep	68.08	11.86	56.22	-5.93
	04/19/16	26.9 - 31.4	Deep	68.08	8.42	59.66	3.44
	10/24/16	26.9 - 31.4	Deep	68.08	6.52	61.56	1.90
	06/06/17	26.9 - 31.4	Deep	68.08	9.15	58.93	-2.63
	10/30/17	26.9 - 31.4	Deep	68.08	6.23	61.85	2.92
	06/11/18	26.9 - 31.4	Deep	68.08	7.17	60.91	-0.94
	10/22/18	26.9 - 31.4	Deep	68.08	8.13	59.95	-0.96
	05/14/19	26.9 - 31.4	Deep	68.08	9.04	59.04	-0.91
	10/10/19	26.9 - 31.4	Deep	68.08	12.46	55.62	-3.42
	06/23/20	26.9 - 31.4	Deep	68.08	4.85	63.23	7.61
	10/25/20	26.9 - 31.4	Deep	68.08	7.32	60.76	-2.47
	06/29/21	26.9 - 31.4	Deep	68.08	5.64	62.44	-0.79
	09/30/21	26.9 - 31.4	Deep	68.08	5.25	62.83	2.07

Table 3-1
Groundwater Level Measurements - October 2011 - October 2021
SWMU 26, Former 724th Tanker Purging Station
Fort Stewart, Georgia

Well Number	Date Measured	Depth of Screened Interval (ft bgs)	Hydrologic Unit	Top of Casing Elevation (ft amsl)	Water Depth (ft btoc)	Water Elevation (ft amsl)	Difference (ft)
MW-57	10/17/11	26.9 - 31.4	Deep	67.75	11.92	55.83	--
	04/16/12	26.9 - 31.4	Deep	67.75	12.87	54.88	-0.95
	10/22/12	26.9 - 31.4	Deep	67.75	11.00	56.75	1.87
	04/02/13	26.9 - 31.4	Deep	67.75	6.51	61.24	4.49
	10/15/13	26.9 - 31.4	Deep	67.75	12.47	55.28	-5.96
	04/23/14	26.9 - 31.4	Deep	67.75	4.36	63.39	8.11
	09/09/14	26.9 - 31.4	Deep	67.75	15.41	52.34	-11.05
	05/12/15	26.9 - 31.4	Deep	67.75	5.20	62.55	10.21
	11/02/15	26.9 - 31.4	Deep	67.75	11.73	56.02	-6.53
	04/19/16	26.9 - 31.4	Deep	67.75	8.51	59.24	3.22
	10/24/16	26.9 - 31.4	Deep	67.75	5.99	61.76	2.52
	06/06/17	26.9 - 31.4	Deep	67.75	9.07	58.68	-3.08
	10/30/17	26.9 - 31.4	Deep	67.75	5.65	62.10	3.42
	06/11/18	26.9 - 31.4	Deep	67.75	6.98	60.77	-1.33
	10/22/18	26.9 - 31.4	Deep	67.75	7.92	59.83	-0.94
	05/14/19	26.9 - 31.4	Deep	67.75	8.80	58.95	-0.88
	10/10/19	26.9 - 31.4	Deep	67.75	12.45	55.30	-3.65
	06/23/20	26.9 - 31.4	Deep	67.75	4.38	63.37	8.07
	10/26/20	26.9 - 31.4	Deep	67.75	6.80	60.95	-2.42
	06/29/21	26.9 - 31.4	Deep	67.75	5.12	62.63	-0.74
	09/30/21	26.9 - 31.4	Deep	67.75	4.69	63.06	2.11
MW-58	10/17/11	26.0 - 31.0	Deep	66.20	11.71	54.49	--
	04/16/12	26.0 - 31.0	Deep	66.20	13.74	52.46	-2.03
	10/22/12	26.0 - 31.0	Deep	66.20	12.46	53.74	1.28
	04/02/13	26.0 - 31.0	Deep	66.20	6.91	59.29	5.55
	10/15/13	26.0 - 31.0	Deep	66.20	13.56	52.64	-6.65
	04/23/14	26.0 - 31.0	Deep	66.20	4.62	61.58	8.94
	09/09/14	26.0 - 31.0	Deep	66.20	18.82	47.38	-14.20
	05/12/15	26.0 - 31.0	Deep	66.20	5.26	60.94	13.56
	11/02/15	26.0 - 31.0	Deep	66.20	13.06	53.14	-7.80
	04/19/16	26.0 - 31.0	Deep	66.20	8.32	57.88	4.74
	10/24/16	26.0 - 31.0	Deep	66.20	6.61	59.59	1.71
	06/06/17	26.0 - 31.0	Deep	66.20	9.22	56.98	-2.61
	10/30/17	26.0 - 31.0	Deep	66.20	5.93	60.27	3.29
	06/11/18	26.0 - 31.0	Deep	66.20	7.15	59.05	-1.22
	10/22/18	26.0 - 31.0	Deep	66.20	8.31	57.89	-1.16
	05/14/19	26.0 - 31.0	Deep	66.20	8.94	57.26	-0.63
	10/10/19	26.0 - 31.0	Deep	66.20	12.48	53.72	-3.54
	06/23/20	26.0 - 31.0	Deep	66.20	4.48	61.72	8.00
	10/25/20	26.0 - 31.0	Deep	66.20	7.10	59.10	-2.62
	06/29/21	26.0 - 31.0	Deep	66.20	5.26	60.94	-0.78
	09/30/21	26.0 - 31.0	Deep	66.20	4.84	61.36	2.26

Table 3-1
Groundwater Level Measurements - October 2011 - October 2021
SWMU 26, Former 724th Tanker Purging Station
Fort Stewart, Georgia

Well Number	Date Measured	Depth of Screened Interval (ft bgs)	Hydrologic Unit	Top of Casing Elevation (ft amsl)	Water Depth (ft btoc)	Water Elevation (ft amsl)	Difference (ft)
MW-59	10/17/11	3.0 - 13.0	Shallow	66.73	8.14	58.59	--
	04/16/12	3.0 - 13.0	Shallow	66.73	5.90	60.83	2.24
	10/22/12	3.0 - 13.0	Shallow	66.73	5.12	61.61	0.78
	04/02/13	3.0 - 13.0	Shallow	66.73	4.07	62.66	1.05
	10/15/13	3.0 - 13.0	Shallow	66.73	4.35	62.38	-0.28
	04/23/14	3.0 - 13.0	Shallow	66.73	2.70	64.03	1.65
	09/09/14	3.0 - 13.0	Shallow	66.73	5.91	60.82	-3.21
	05/13/15	3.0 - 13.0	Shallow	66.73	3.06	63.67	2.85
	11/03/15	3.0 - 13.0	Shallow	66.73	5.68	61.05	-2.62
	04/19/16	3.0 - 13.0	Shallow	66.73	3.82	62.91	1.86
	10/24/16	3.0 - 13.0	Shallow	66.73	3.92	62.81	-0.10
	06/07/17	3.0 - 13.0	Shallow	66.73	4.69	62.04	-0.77
	10/30/17	3.0 - 13.0	Shallow	66.73	3.42	63.31	1.27
	06/11/18	3.0 - 13.0	Shallow	66.73	3.02	63.71	0.40
	10/22/18	3.0 - 13.0	Shallow	66.73	4.12	62.61	-1.10
	05/14/19	3.0 - 13.0	Shallow	66.73	5.11	61.62	-0.99
	10/10/19	3.0 - 13.0	Shallow	66.73	7.17	59.56	-3.05
	06/23/20	3.0 - 13.0	Shallow	66.73	3.01	63.72	2.10
	10/26/20	3.0 - 13.0	Shallow	66.73	4.68	62.05	2.49
	06/29/21	3.0 - 13.0	Shallow	66.73	3.38	63.35	3.79
	09/30/21	3.0 - 13.0	Shallow	66.73	3.24	63.49	-0.23
MW-60	05/14/14	15.0 - 25.0	Deep	61.94	9.35	52.59	--
	09/09/14	15.0 - 25.0	Deep	61.94	11.62	50.32	-2.27
	05/12/15	15.0 - 25.0	Deep	61.94	8.30	53.64	3.32
	11/02/15	15.0 - 25.0	Deep	61.94	11.22	50.72	-2.92
	04/19/16	15.0 - 25.0	Deep	61.94	9.83	52.11	1.39
	10/24/16	15.0 - 25.0	Deep	61.94	8.03	53.91	1.80
	06/06/17	15.0 - 25.0	Deep	61.94	10.31	51.63	-2.28
	10/30/17	15.0 - 25.0	Deep	61.94	9.27	52.67	1.04
	06/11/18	15.0 - 25.0	Deep	61.94	NM	NM	NA
	10/22/18	15.0 - 25.0	Deep	61.94	10.98	50.96	-1.71
	05/14/19	15.0 - 25.0	Deep	61.94	10.90	51.04	0.08
	10/10/19	15.0 - 25.0	Deep	61.94	11.24	50.70	-0.34
	06/23/20	15.0 - 25.0	Deep	61.94	8.06	53.88	3.18
	10/25/20	15.0 - 25.0	Deep	61.94	10.34	51.60	-2.28
	06/29/21	15.0 - 25.0	Deep	61.94	9.43	52.51	-1.37
	09/29/21	15.0 - 25.0	Deep	61.94	8.75	53.19	1.59

Notes:

ft amsl - feet above mean sea level

ft bgs - feet below ground surface

ft btoc - feet below top of casing

a - Well was dry at the time of gauging

NA - Not applicable

NM - Not measured

* - Replacement well

Table 3-2
Performance Monitoring Program
SWMU 26, Former 724th Tanker Purging Station
Fort Stewart, Georgia

Well Number	Hydrologic Unit	Depth of Screened Interval (ft bgs)	June/July 2021 Monitoring Event	October 2021 Monitoring Event
MW-01	Shallow	4.0 - 14.0	--	--
MW-03	Shallow	4.0 - 14.0	--	BTEX, MTBE, and NP
MW-05	Shallow	5.0 - 15.0	--	BTEX, MTBE, and NP
MW-06R	Shallow	3.0 - 13.0	--	--
MW-07	Shallow	5.25 - 15.25	--	--
MW-08	Shallow	6.0 - 16.0	--	Note 1
MW-09	Shallow	6.0 - 16.0	--	--
MW-10	Deep	31.0 - 41.0	--	--
MW-11	Shallow	4.13 - 16.95	--	--
MW-12	Shallow	2.92 - 12.64	--	BTEX, MTBE, and NP
MW-13	Shallow	3.43 - 12.88	--	BTEX, MTBE, and NP
MW-14	Shallow	3.48 - 12.91	--	BTEX, MTBE, and NP
MW-15R	Shallow	3.0 - 13.0	--	--
MW-16	Shallow	6.0 - 16.0	--	--
MW-17	Shallow	6.0 - 16.0	--	--
MW-18	Shallow	4.9 - 14.9	--	BTEX, MTBE, and NP
MW-19	Shallow	6.3 - 16.3	BTEX, MTBE, and NP	BTEX, MTBE, and NP
MW-20	Shallow	6.0 - 16.0	--	--
MW-21	Shallow	5.1 - 15.1	--	--
MW-22	Shallow	4.0 - 14.0	--	BTEX, MTBE, and NP
MW-23	Deep	13.0 - 23.0	BTEX, MTBE, and NP	BTEX, MTBE, and NP
MW-24R	Shallow	3.0 - 13.0	--	--
MW-25R	Shallow	3.0 - 13.0	BTEX, MTBE, and NP	BTEX, MTBE, and NP
MW-26	Shallow	3.6 - 13.6	--	--
MW-28R	Shallow	3.0 - 13.0	BTEX, MTBE, and NP	BTEX, MTBE, and NP
MW-29	Shallow	3.3 - 13.3	--	--
MW-30	Shallow	7.0 - 17.0	--	--
MW-31	Shallow	4.0 - 14.0	--	--
MW-32	Shallow	3.6 - 13.6	--	--
MW-33	Shallow	3.6 - 13.6	--	--
MW-34	Shallow	3.6 - 13.6	--	--
MW-35	Deep	23.0 - 28.0	--	--
MW-36R	Deep	20.0 - 25.0	BTEX, MTBE, and NP	BTEX, MTBE, and NP
MW-37	Deep	19.0 - 24.0	--	--
MW-38	Deep	24.1 - 29.1	BTEX, MTBE, and NP	BTEX, MTBE, and NP
MW-39	Deep	20.1 - 25.1	BTEX, MTBE, and NP	BTEX, MTBE, and NP
MW-40	Shallow	2.3 - 12.3	--	--
MW-41	Shallow	2.0 - 12.0	--	--
MW-42	Deep	17.0 - 22.0	BTEX, MTBE, and NP	BTEX, MTBE, and NP
MW-43	Deep	17.7 - 22.7	BTEX, MTBE, and NP	BTEX, MTBE, and NP

Table 3-2
Performance Monitoring Program
SWMU 26, Former 724th Tanker Purging Station
Fort Stewart, Georgia

Well Number	Hydrologic Unit	Depth of Screened Interval (ft bgs)	June/July 2021 Monitoring Event	October 2021 Monitoring Event
MW-44	Deep	16.7 - 21.7	BTEX, MTBE, and NP	BTEX, MTBE, and NP
MW-45	Deep	18.0 - 23.0	--	--
MW-46	Deep	19.9 - 24.5	--	--
MW-47	Shallow	3.9 - 13.5	--	--
MW-48	Deep	23.4 - 27.9	--	--
MW-49	Shallow	3.9 - 13.5	--	--
MW-50	Deep	29.6 - 31.4	BTEX, MTBE, and NP	BTEX, MTBE, and NP
MW-51	Shallow	3.9 - 13.5	BTEX, MTBE, and NP	BTEX, MTBE, and NP
MW-52	Deep	25.9 - 30.4	BTEX, MTBE, and NP	BTEX, MTBE, and NP
MW-53	Deep	26.7 - 31.1	BTEX, MTBE, and NP	BTEX, MTBE, and NP
MW-54	Deep	26.9 - 31.4	BTEX, MTBE, and NP	BTEX, MTBE, and NP
MW-55	Deep	26.9 - 31.4	BTEX, MTBE, and NP	BTEX, MTBE, and NP
MW-56	Deep	26.9 - 31.4	BTEX, MTBE, and NP	BTEX, MTBE, and NP
MW-57	Deep	26.9 - 31.4	BTEX, MTBE, and NP	BTEX, MTBE, and NP
MW-58	Deep	26.0 - 31.0	--	--
MW-59	Shallow	3.0 - 13.0	--	--
MW-60	Deep	15.0 - 25.0	--	--

Notes:

Note 1 Well determined to have been abandoned.
 -- Not Sampled; Water Level Only
 BTEX Benzene, toluene, ethylbenzene, and xylene compounds
 MTBE Methy tert-butyl ether
 NP Naphthalene

Table 3-3
Groundwater Analytical Data - April 2011 through October 2021
SWMU 26, Former 724th Tanker Purging Area
Fort Stewart, Georgia

	VOCs - USEPA Method SW8260 (µg/L)						
	Chemical Name	Benzene	Toluene	Ethylbenzene	Xylenes (total)	MTBE*	Naphthalene*
	MCL/SSRG	5	1000	700	10000	59**	6.1**
Location ID	Sample Date						
MW-01	4/18/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
MW-03	10/27/2021	<2.0 U	<4.0 U	<2.0 U	< 6.0 U	<2.0 U	<2.0 UJ
MW-05	10/28/2021	<0.40 U	<0.80 U	<0.40 U	< 1.2 U	<0.40 U	<0.40 UJ
MW-06R	4/12/2011	2.9	0.17 J	2	5.2	NA	NA
	10/18/2011	2.5	< 1 U	7.8	9.4	20	NA
	4/18/2012	0.66	< 0.5 U	1.8	1.6	4.6	NA
	10/24/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
	4/3/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	0.18 J	NA
	10/15/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
	4/23/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 UJ	< 0.5 U
	9/10/2014	1	< 0.5 U	< 0.5 U	< 0.5 U	1.7	2.7
	5/13/2015	0.43 J	<1.0 U	<1.0 U	< 0.50 U	0.74 J	< 5.0 U
	11/3/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	< 0.50 U	< 5.0 U
	4/20/2016	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U
	10/25/2016	<0.40 U	<0.80 U	<0.40 U	<1.2 U	<0.40 U	<0.40 U
	6/7/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	<0.40 UJ	<0.40 UJ
	10/31/2017	<0.40 U	<0.80 U	<0.40 U	<1.2 U	<0.40 U	0.27 J
MW-07	4/12/2011	0.1 J	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA
	10/18/2011	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA
	4/18/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	0.46 J	NA
	10/24/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	0.95	NA
	4/3/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	0.31 J	NA
	10/15/2013	< 0.5 U	7.7	< 0.5 U	< 0.5 U	1.6	< 0.5 U
	4/23/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	2.2 J	< 0.5 U
	9/10/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	1.6	< 0.5 U
	5/13/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	2.8 J	< 5.0 U
	11/3/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	0.82 J	< 5.0 U
	4/20/2016	<0.80 U	<0.80 U	<0.80 U	<0.80 U	<0.80 U	<0.80 U
	10/25/2016	<4.0 U	<8.0 U	<4.0 U	<12 U	<4.0 U	<4.0 U
	6/7/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	0.43 J	<0.40 UJ
	10/31/2017	<2.0 U	<4.0 U	<2.0 U	<6.0 U	2.0 J	<2.0 U
MW-09	4/18/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
	10/23/2012	< 0.5 U	0.24 J	< 0.5 U	< 0.5 U	1.4	NA
	4/3/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
	10/15/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
	4/24/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
	9/10/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	1	< 0.5 U
	5/13/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	< 0.50 U	< 5.0 U
	11/3/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	< 0.50 U	< 5.0 U
	4/20/2016	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U
	10/25/2016	<0.40 U	<0.80 U	<0.40 U	<1.2 U	<0.40 U	<0.40 U
	6/7/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	<0.40 UJ	<0.40 UJ
	10/31/2017	<0.40 U	<0.80 U	<0.40 U	<1.2 U	<0.40 U	<0.40 U

Table 3-3
Groundwater Analytical Data - April 2011 through October 2021
SWMU 26, Former 724th Tanker Purging Area
Fort Stewart, Georgia

	VOCs - USEPA Method SW8260 (µg/L)						
	Chemical Name	Benzene	Toluene	Ethylbenzene	Xylenes (total)	MTBE*	Naphthalene*
	MCL/SSRG	5	1000	700	10000	59**	6.1**
Location ID	Sample Date						
MW-10	10/25/2016	<0.40 U	<0.80 U	<0.40 U	<1.2 U	1.6 J	<0.40 U
	6/7/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	6.0 J	<0.40 UJ
	10/31/2017	<0.40 U	<0.80 U	<0.40 U	<1.2 U	21	<0.40 U
MW-11	4/18/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
MW-12	10/27/2021	<2.0 U	<4.0 U	<2.0 U	< 6.0 U	<2.0 U	<2.0 UJ
MW-13	10/28/2021	<2.0 U	<4.0 U	<2.0 U	< 6.0 U	<2.0 U	<2.0 UJ
MW-14	10/27/2021	<2.0 U	<4.0 U	<2.0 U	< 6.0 U	<2.0 U	<2.0 UJ
MW-15R	4/12/2011	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA
	10/18/2011	< 10 U	< 10 U	< 10 U	< 10 U	29	NA
	4/18/2012	0.22 J	< 0.5 U	< 0.5 U	< 0.5 U	2.6	NA
	10/24/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	0.88	NA
	4/3/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	0.71	NA
	10/15/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
	4/23/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 UJ	< 0.5 U
	9/10/2014	0.12 J	< 0.5 U	< 0.5 U	< 0.5 U	0.8	2.2
	5/13/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	3.4 J	< 5.0 U
	11/3/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	< 0.50 U	< 5.0 U
	4/19/2016	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U
	10/24/2016	<0.40 U	<0.80 U	<0.40 U	<1.2 U	<0.40 U	<0.40 U
	6/7/2017	0.22 J	<0.80 UJ	<0.40 UJ	<1.2 UJ	1.7 J	0.26 J
	10/31/2017	0.22 J	<0.80 U	<0.40 U	<1.2 U	2.4	0.33 J
MW-16	4/13/2011	< 0.5 U	< 0.5 U	< 0.5 U	0.17 J	NA	NA
	10/18/2011	< 1 U	< 1 U	< 1 U	< 1 U	22	NA
	4/19/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	18	NA
	10/24/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	5.2	NA
	4/3/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	8.3	NA
	10/15/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	1.4	< 0.5 U
	4/23/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	2 J	< 0.5 U
	9/9/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	8.2	< 0.5 U
	5/13/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	1.9 J	< 5.0 U
	11/3/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	5.8 J	< 5.0 U
	4/20/2016	<0.80 U	<0.80 U	<0.80 U	<0.80 U	3.1	<0.80 U
	10/24/2016	< 4.0 U	< 8.0 U	< 4.0 U	< 12 U	4.3 JD	< 4.0 U
	6/7/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	3.4 J	<0.40 UJ
	11/2/2017	2.0 U	4.0 U	2.0 U	6.0 U	3.6 J	2.0 U
MW-17	4/17/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	48	NA
	10/24/2012	< 0.5	7.1	< 0.5	< 0.5	< 0.5	NA
MW-18	10/28/2021	<0.40 U	<0.80 U	<0.40 U	< 1.2 U	<0.40 U	0.76 J

Table 3-3
Groundwater Analytical Data - April 2011 through October 2021
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Fort Stewart, Georgia

	VOCs - USEPA Method SW8260 (µg/L)						
	Chemical Name	Benzene	Toluene	Ethylbenzene	Xylenes (total)	MTBE*	Naphthalene*
	MCL/SSRG	5	1000	700	10000	59**	6.1**
Location ID	Sample Date						
MW-19	4/13/2011	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA
	10/18/2011	< 1 U	< 1 U	< 1 U	< 1 U	61	NA
	10/23/2012	<5.0 U	<5.0 U	<5.0 U	<5.0 U	39	NA
	4/3/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	14	NA
	10/16/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	6.2	< 0.5 U
	4/24/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	0.99	< 0.5 U
	9/11/2014	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
	5/14/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	1.4 J	< 5.0 U
	11/5/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	7.5 J	< 5.0 U
	4/22/2016	<0.40 U	<0.40 U	<0.40 U	<0.40 U	1.3	<0.40 U
	10/26/2016	<4.0 U	<8.0 U	<4.0 U	<12 U	<4.0 U	<4.0 U
MW-19 (Continued)	6/9/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	1.3 J	<0.40 UJ
	11/2/2017	<2.0 U	<4.0 U	<2.0 U	<6.0 U	<2.0 U	<2.0 U
	6/13/2018	<0.4 U	<0.8 U	<0.4 U	<1.2 U	3.2	<0.4 U
	10/23/2018	<0.4 U	<0.8 U	<0.4 U	<1.2 U	0.98 J	<0.4 U
	10/23/2018 (Dup)	<0.4 U	<0.8 U	<0.4 U	<1.2 U	2.1	<0.4 U
	5/14/2019	<0.40 U	<0.80 U	<0.40 U	<1.2 U	1.0 J	<0.40 U
	10/10/2019	<0.40 U	<0.80 U	<0.40 U	<1.2 U	0.44 J	<0.40 U
	6/25/2020	<0.40 U	<0.80 U	<0.40 U	<1.2 U	0.30 J	<0.40 U
	10/27/2020	<2.0 U	<4.0 U	<2.0 U	<6.0 U	<2.0 U	<2.0 U
	6/29/2021	<0.40 U	<0.80 U	<0.40 U	<1.2 U	0.27 J	<0.40 U
	10/28/2021	<0.40 U	<0.80 U	<0.40 U	<1.2 U	0.24 J	<0.40 UJ
MW-20	4/13/2011	< 0.5 U	< 0.5 U	< 0.5 U	0.31 J	NA	NA
	10/18/2011	< 1 U	< 1 U	< 1 U	< 1 U	3.2	NA
	4/18/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	2.4	NA
	10/24/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	2.0	NA
	4/3/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	0.24 J	NA
	10/15/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	0.28 J	< 0.5 U
	4/24/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	0.15 J	< 0.5 U
	9/11/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	0.9	< 0.5 U
	5/13/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	< 0.50 U	< 5.0 U
	11/3/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	< 0.50 U	< 5.0 U
	4/20/2016	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U
	10/26/2016	<4.0 U	<8.0 U	<4.0 U	<12 U	<4.0 U	<4.0 U
	6/9/2017	<0.40 UJ	2.9	<0.40 UJ	<1.2 UJ	<0.40 UJ	<0.40 UJ
	11/1/2017	<2.0 U	3.6 J	<2.0 U	<6.0 U	<2.0 U	<2.0 U

Table 3-3
Groundwater Analytical Data - April 2011 through October 2021
SWMU 26, Former 724th Tanker Purging Area
Fort Stewart, Georgia

	VOCs - USEPA Method SW8260 (µg/L)						
	Chemical Name	Benzene	Toluene	Ethylbenzene	Xylenes (total)	MTBE*	Naphthalene*
	MCL/SSRG	5	1000	700	10000	59**	6.1**
Location ID	Sample Date						
MW-21	4/13/2011	< 0.5 U	< 0.5 U	< 0.5 U	0.24 J	NA	NA
	10/19/2011	< 1 U	< 1 U	< 1 U	< 1 U	45	NA
	4/17/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	19	NA
	10/23/2012	< 0.5 U	2.1	< 0.5 U	< 0.5 U	17	NA
	4/3/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
	10/16/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	21	< 0.5 U
	4/24/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
	9/10/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	43	< 0.5 U
	5/14/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	< 0.50 U	< 5.0 U
	11/4/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	12	< 5.0 U
	4/22/2016	<0.40 U	<0.40 U	<0.40 U	<0.40 U	17	<0.40 U
	10/26/2016	<4.0 U	<8.0 U	<4.0 U	<12 U	<4.0 U	<4.0 U
	6/8/2017	<0.40 UJ	32	<0.40 UJ	<1.2 UJ	0.23 J	<0.40 UJ
	11/3/2017	<2.0 U	130	<2.0 U	<6.0 U	<2.0 U	<2.0 U
MW-22	4/13/2011	< 0.5 U	11	< 0.5 U	< 0.5 U	NA	NA
	10/19/2011	< 1 U	80	< 1 U	< 1 U	4.3	NA
	4/17/2012	0.15 J	< 0.5 U	< 0.5 U	< 0.5 U	76	NA
	10/23/2012	< 0.5 U	0.24 J	< 0.5 U	< 0.5 U	1.4	NA
	10/29/2021	<2.0 U	<4.0 U	<2.0 U	< 6.0 U	<2.0 U	<2.0 UJ
MW-23	4/13/2011	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA
	10/19/2011	< 1 U	< 1 U	< 1 U	< 1 U	4.7	NA
	4/17/2012	6.6	< 0.5 U	< 0.5 U	< 0.5 U	2.8	NA
	10/23/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	27	NA
	4/3/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	22	NA
	10/15/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	5.6	< 0.5 U
	4/24/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	3.6	< 0.5 U
	9/10/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	5	< 0.5 U
	5/14/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	3.4 J	< 5.0 U
	11/3/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	1.8 J	< 5.0 U
	4/22/2016	<0.40 U	<0.40 U	<0.40 U	<0.40 U	1.7	<0.40 U
	10/25/2016	<0.40 U	<0.80 U	<0.40 U	<1.2 U	0.51 J	<0.40 U
	6/8/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	2.0 J	<0.40 UJ
	11/3/2017	<0.40 U	<0.80 U	<0.40 U	<1.2 U	2.4	<0.40 U
	6/12/2018	<0.40 U	<0.80 U	<0.40 U	<1.2 U	0.53 J	<0.40 U
	10/23/2018	<0.40 U	<0.80 U	<0.40 U	<1.2 U	1.5 J	<0.40 U
	5/14/2019	<0.40 U	<0.80 U	<0.40 U	<1.2 U	0.90 J	<0.40 U
	10/10/2019	<0.40 U	<0.80 U	<0.40 U	<1.2 U	0.82 J	<0.40 U
	6/24/2020	<0.40 U	<0.80 U	<0.40 U	<1.2 U	1.4 J	<0.40 U
	10/27/2020	<0.40 U	<0.80 U	<0.40 U	<1.2 U	1.1 J+	<0.40 U
	6/30/2021	<0.40 U	<0.80 U	<0.40 U	<1.2 U	1.1 J	<0.40 U
	10/28/2021	<0.40 U	<0.80 U	<0.40 U	<1.2 U	0.86 J	<0.40 UJ

Table 3-3
Groundwater Analytical Data - April 2011 through October 2021
SWMU 26, Former 724th Tanker Purging Area
Fort Stewart, Georgia

	VOCs - USEPA Method SW8260 (µg/L)						
	Chemical Name	Benzene	Toluene	Ethylbenzene	Xylenes (total)	MTBE*	Naphthalene*
	MCL/SSRG	5	1000	700	10000	59**	6.1**
Location ID	Sample Date						
MW-24R	4/12/2011	< 0.5 U	0.24 J	< 0.5 U	< 0.5 U	NA	NA
	10/19/2011	< 1 U	< 1 U	< 1 U	< 1 U	10	NA
	10/24/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	4.3	NA
	4/3/2013	0.18 J	< 0.5 U	< 0.5 U	< 0.5 U	5.3	NA
	10/15/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	1.6	< 0.5 U
	4/23/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	0.86 J	< 0.5 U
	9/9/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	1.2	2.2
	5/13/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	0.38 J	< 5.0 U
	11/3/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	< 0.50 U	< 5.0 U
	4/20/2016	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U
	10/24/2016	<4.0 U	<8.0 U	<4.0 U	<12 U	<4.0 U	<4.0 U
	6/7/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	<0.40 UJ	<0.40 UJ
	11/2/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	<0.40 UJ	<0.40 UJ
MW-25R	4/12/2011	3.7	0.32 J	14	18	NA	NA
	10/19/2011	3.3	< 1 U	25	0.42 J	59	NA
	4/19/2012	5.2	< 0.5 U	11	1.7	28	NA
	10/24/2012	< 0.5 U	< 0.5 U	60	1.1	9.1	NA
	4/3/2013	0.5	< 0.5 U	2.6	< 0.5 U	5.2	NA
	10/15/2013	0.32 J	1.6	< 0.5 U	< 0.5 U	0.8	1.1
	4/23/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	0.55 J	< 0.5 U
	9/9/2014	0.62	< 0.5 U	0.81	< 0.5 U	4.5	3.4
	5/13/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	< 0.50 U	< 5.0 U
	11/3/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	2.3 J	< 5.0 U
	4/20/2016	<0.40 U	<0.40 U	<0.40 U	<0.40 U	0.98 J	<0.40 U
MW-25R (Continued)	10/24/2016	<4.0 U	<8.0 U	<4.0 U	<12 U	<4.0 U	<4.0 U
	6/7/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	<0.40 UJ	<0.40 UJ
	11/2/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	<0.40 UJ	<0.40 UJ
	6/12/2018	<0.40 U	<0.80 U	<0.40 U	<1.2 U	<0.40 U	<0.40 U
	10/24/2018	<0.40 U	<0.80 U	<0.40 U	<1.2 U	<0.40 U	<0.40 U
	5/14/2019	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	<0.40 UJ	<0.40 UJ
	10/10/2019	<0.40 U	<0.80 U	<0.40 U	<1.2 U	3.6	<0.40 U
	6/23/2020	<0.40 U	<0.80 U	<0.40 U	<1.2 U	<0.40 U	<0.40 U
	10/26/2020	<0.40 U	<0.80 U	<0.40 U	<1.2 U	0.22 J	1.4
	6/29/2021	<0.40 U	<0.80 U	<0.40 U	<1.2 U	<0.40 U	<0.40 U
	10/29/2021	<0.40 U	<0.80 U	<0.40 U	<1.2 U	<0.40 U	<0.40 UJ

Table 3-3
Groundwater Analytical Data - April 2011 through October 2021
SWMU 26, Former 724th Tanker Purging Area
Fort Stewart, Georgia

	VOCs - USEPA Method SW8260 (µg/L)						
	Chemical Name	Benzene	Toluene	Ethylbenzene	Xylenes (total)	MTBE*	Naphthalene*
	MCL/SSRG	5	1000	700	10000	59**	6.1**
Location ID	Sample Date						
MW-26	4/13/2011	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA
	10/19/2011	< 1 U	< 1 U	< 1 U	< 1 U	6.3	NA
	4/18/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	9.4	NA
	10/24/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
MW-28R	4/12/2011	0.7	1.2	3.1	15	NA	NA
	10/18/2011	4.9	0.56 J	1.3	9.3	81	NA
	4/18/2012	0.27 J	< 0.5 U	< 0.5 U	< 0.5 U	30	NA
	10/24/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	3.8	NA
	4/3/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	0.37	NA
	10/15/2013	0.19 J	0.25 J	< 0.5 U	< 0.5 U	1.5	0.25 J
	4/23/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 UJ	< 0.5 U
	9/10/2014	0.14 J	< 0.5 U	< 0.5 U	< 0.5 U	0.33 J	2.3
	5/13/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	< 0.50 U	< 5.0 U
	11/3/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	< 0.50 U	< 5.0 U
	4/19/2016	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U
	10/25/2016	<0.40 U	<0.80 U	<0.40 U	<1.2 U	<0.40 U	<0.40 U
	6/7/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	<0.40 UJ	<0.40 UJ
	10/31/2017	<0.40 U	<0.80 U	<0.40 U	<1.2 U	<0.40 U	<0.40 U
	6/12/2018	<0.40 U	<0.80 U	<0.40 U	<1.2 U	<0.40 U	<0.40 U
	10/23/2018	<0.40 U	<0.80 U	<0.40 U	<1.2 U	<0.40 U	<0.40 U
	5/14/2019	<0.40 U	<0.80 U	<0.40 U	<1.2 U	<0.40 U	<0.40 U
	10/10/2019	<0.40 U	<0.80 U	<0.40 U	<1.2 U	<0.40 U	<0.40 U
	6/23/2020	<0.40 U	<0.80 U	<0.40 U	<1.2 U	<0.40 U	<0.40 U
	10/26/2020	<0.40 U	<0.80 U	<0.40 U	<1.2 U	<0.40 U	<0.40 U
	6/29/2021	<0.40 U	<0.80 U	<0.40 U	<1.2 U	<0.40 U	<0.40 U
	10/27/2021	<0.40 U	<0.80 U	<0.40 U	<1.2 U	<0.40 U	<0.40 U
MW-29	4/18/2012	< 0.5 U	11	< 0.5 U	< 0.5 U	< 0.5 U	NA
MW-30	10/24/2012	< 0.5 U	2.9	< 0.5 U	< 0.5 U	2.9	NA
MW-31	4/13/2011	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA
	10/18/2011	< 1 U	< 1 U	< 1 U	< 1 U	24	NA
	4/18/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	44	NA
	10/23/2012	< 0.50 U	8.0	< 0.50 U	< 0.50 U	15	NA
	4/3/2013	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	1.9	NA
	10/16/2013	< 0.50 U	0.34 J	< 0.50 U	< 0.50 U	6.5	< 0.5 U
	4/24/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	13	< 0.5 U

Table 3-3
Groundwater Analytical Data - April 2011 through October 2021
SWMU 26, Former 724th Tanker Purging Area
Fort Stewart, Georgia

	VOCs - USEPA Method SW8260 (µg/L)						
	Chemical Name	Benzene	Toluene	Ethylbenzene	Xylenes (total)	MTBE*	Naphthalene*
	MCL/SSRG	5	1000	700	10000	59**	6.1**
Location ID	Sample Date						
MW-31 (Continued)	5/14/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	9.9 J	< 5.0 U
	11/4/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	12	< 5.0 U
	4/22/2016	<0.40 U	<0.40 U	<0.40 U	<0.40	18	<0.40
	10/26/2016	<0.40 U	<0.80 U	<0.40 U	<1.2	4.1	<0.40
	6/9/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	9.4 J	<0.40 UJ
	11/1/2017	<0.40 U	<0.80 U	<0.40 U	<1.2 U	7.0	<0.40 U
MW-32	4/12/2011	< 0.5 U	0.62	< 0.5 U	< 0.5 U	NA	NA
	10/18/2011	0.21 J	< 1 U	< 1 U	< 1 U	19	NA
	4/17/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	33	NA
	10/23/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	22	NA
	4/3/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	17	NA
	10/16/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	9.9	< 0.5 U
	4/24/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	5.2	< 0.5 U
	5/15/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	0.36 J	< 5.0 U
	11/4/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	6.0 J	< 5.0 U
	4/21/2016	<0.40 U	<0.40 U	<0.40 U	<0.40 U	3.4	<0.40 U
	10/25/2016	<0.40 U	<0.80 U	<0.40 U	<1.2 U	2.6	<0.40 U
	6/8/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	4.9 J	<0.40 UJ
	11/2/2017	<0.40 U	<0.80 U	<0.40 U	<1.2 U	1.0 J	<0.40 U
MW-33	4/13/2011	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA
	10/19/2011	< 1 U	< 1 U	< 1 U	< 1 U	43	NA
	10/23/2012	< 0.5 U	17	< 0.5 U	< 0.5 U	31	NA
	4/3/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	31	NA
	10/16/2013	< 0.5 U	0.67	< 0.5 U	< 0.5 U	46	< 0.5 U
	4/24/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	10	< 0.5 U
	9/10/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	31	< 0.5 U
	5/14/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	15	< 5.0 U
	11/5/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	22	< 5.0 U
	4/21/2016	<0.40 U	<0.40 U	<0.40 U	<0.40 U	1.2	<0.40 U
	10/25/2016	<0.40 U	<0.80 U	<0.40 U	<1.2 U	30	<0.40 U
	6/8/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	11 J	<0.40 UJ
	11/1/2017	<0.40 U	<0.80 U	<0.40 U	<1.2 U	12	<0.40 U
MW-34	4/17/2012	0.25 J	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
MW-35	4/13/2011	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA
	10/18/2011	< 1 U	< 1 U	< 1 U	< 1 U	0.78 J	NA
	4/19/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	1	NA
	10/24/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	0.17 J	NA
	4/3/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	0.83	NA
	10/15/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	1	< 0.5 U
	4/23/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	0.14 J	< 0.5 U
	9/9/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	0.2 J	< 0.5 U
	5/13/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	0.96 J	< 5.0 U
	11/3/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	0.74 J	< 5.0 U
	4/20/2016	<0.40 U	<0.40 U	<0.40 U	<0.40 U	0.86 J	<1.7 UB
	10/24/2016	<4.0 U	<8.0 U	<4.0 U	<12 U	<4.0 U	<4.0 U
	6/7/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	<0.40 UJ	<0.40 UJ
	11/2/2017	<2.0 U	<4.0 U	<2.0 U	<6.0 U	<2.0 U	<2.0 U

Table 3-3
Groundwater Analytical Data - April 2011 through October 2021
SWMU 26, Former 724th Tanker Purging Area
Fort Stewart, Georgia

	VOCs - USEPA Method SW8260 (µg/L)						
	Chemical Name	Benzene	Toluene	Ethylbenzene	Xylenes (total)	MTBE*	Naphthalene*
	MCL/SSRG	5	1000	700	10000	59**	6.1**
Location ID	Sample Date						
MW-36R	4/12/2011	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA
	10/18/2011	< 1 U	< 1 U	< 1 U	< 1 U	20	NA
	4/18/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	11	NA
	10/24/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	5.3	NA
	4/3/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	11	NA
	10/18/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	11	< 0.5 U
	4/23/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	3.5	0.20 UB
	9/10/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	10	< 0.5 U
	5/13/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	73	< 5.0 U
	11/3/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	71	< 5.0 U
	4/20/2016	<0.40 U	<0.40 U	<0.40 U	<0.40 U	13	<0.40 U
	10/25/2016	<4.0 U	<8.0 U	<4.0 U	<12 U	19 JD	<4.0 U
	6/7/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	27 J	<0.40 UJ
	10/31/2017	<2.0 U	<4.0 U	<2.0 U	<6.0 U	45	<2.0 U
	6/12/2018	< 0.40 U	< 0.80 U	< 0.40 U	<1.2 U	33	< 0.40 U
	10/23/2018	<0.40 U	<0.80 U	<0.40 U	<1.2 U	39	< 0.40 U
	5/14/2019	<0.40 U	<0.80 U	<0.40 U	<1.2 U	14	< 0.40 U
	10/10/2019	<0.40 U	<0.80 U	<0.40 U	<1.2 U	7.5	< 0.40 U
	6/23/2020	<0.40 U	<0.80 U	<0.40 U	<1.2 U	8.4	< 0.40 U
	10/26/2020	<0.40 U	<0.80 U	<0.40 U	<1.2 U	7	< 0.40 U
	6/29/2021	<0.40 U	<0.80 U	<0.40 U	<1.2 U	1.5 J	< 0.40 U
	10/27/2021	<0.40 U	<0.80 U	<0.40 U	<1.2 U	0.53 J	< 0.40 U
MW-37	4/18/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	50	NA
	10/25/2016	<0.40 U	<0.80 U	<0.40 U	<1.2 U	3.3	<0.40 U
	6/8/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	0.32 J	<0.40 UJ
	11/1/2017	<2.0 U	<4.0 U	<2.0 U	<6.0 U	<2.0 U	<2.0 U
MW-38	4/13/2011 (Dup)	360	< 5 U	3.5 J	< 5 U	NA	NA
	4/13/2011	380	< 5 U	3.6 J	< 5 U	NA	NA
	10/19/2011 (Dup)	360	< 5 U	2.1 J	< 5 U	630	NA
	10/19/2011	370	< 10 U	< 10 U	< 10 U	610	NA
	1/31/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	87	NA
	4/18/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	7.4 J	NA
	4/18/2012 (Dup)	0.31 J	< 0.5 U	< 0.5 U	< 0.5 U	35 J	NA
	10/24/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	8.7	NA
	4/3/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	4.8	NA
	10/16/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	4.9	< 0.5 U
	4/24/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	8.3	< 0.5 U
	9/10/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	3.5	< 0.5 U
	5/13/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	13	<5.0
	11/4/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	5.8 J	<5.0
	4/21/2016	<0.40 U	<0.40 U	<0.40 U	<0.40 U	3.6	<0.40 U
	10/26/2016	<0.40 U	<0.80 U	<0.40 U	<1.2 U	1.1 J	<0.40 U

Table 3-3
Groundwater Analytical Data - April 2011 through October 2021
SWMU 26, Former 724th Tanker Purging Area
Fort Stewart, Georgia

	VOCs - USEPA Method SW8260 (µg/L)						
	Chemical Name	Benzene	Toluene	Ethylbenzene	Xylenes (total)	MTBE*	Naphthalene*
	MCL/SSRG	5	1000	700	10000	59**	6.1**
Location ID	Sample Date						
MW-38 (Continued)	6/9/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	2.5 J	<0.40 UJ
	11/1/2017	<0.40 U	<0.80 U	<0.40 U	<1.2 U	4.0	<0.40 U
	6/12/2018	<0.40 U	<0.80 U	<0.40 U	<1.2 U	3.2	<0.40 U
	10/23/2018	<4.0 U	<8.0 U	<4.0 U	<12 U	<4.0 U	<4.0 U
	5/15/2019	<0.40 U	<0.80 U	<0.40 U	<1.2 U	<0.40 U	<0.40 U
	10/10/2019	0.13 J	<0.80 U	<0.40 U	0.35 J	0.64 J	< 0.40 U
	6/24/2020	<0.40 U	<0.80 U	<0.40 U	<1.2 U	3.6	< 0.40 U
	10/26/2020	<0.40 U	<0.80 U	<0.40 U	<1.2 U	2.0	< 0.40 U
	6/29/2021	<0.40 U	<0.80 U	<0.40 U	<1.2 U	1.4 J	< 0.40 U
	10/28/2021	<0.40 U	<0.80 U	<0.40 U	<1.2 U	2.9	< 0.40 UJ
	10/28/2021 (Dup)	<0.40 U	<0.80 U	<0.40 U	<1.2 U	2.6	< 0.40 UJ
MW-39	4/17/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	64	NA
	10/24/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	57	NA
	4/2/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	52	NA
	10/17/2013	0.38 J	< 0.5 U	< 0.5 U	< 0.5 U	100	< 0.5 U
	4/23/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	110 J	< 0.5 U
	9/11/2014	0.46 J	< 0.5 U	< 0.5 U	< 0.5 U	140	< 0.5 U
	5/15/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	43	< 5.0 U
	11/4/2015	0.72 J	<1.0 U	<1.0 U	< 0.50 U	140	< 5.0 U
	4/21/2016	<1.0 U	<1.0 U	<1.0 U	<1.0 U	140	<1.0 U
	10/24/2016	<0.80 U	<1.6 U	<0.80 U	<2.4 U	120 D	<0.80 U
	6/8/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	14 J	<0.40 UJ
	11/3/2017	<0.40 U	<0.80 U	<0.40 U	<1.2 U	24	<0.40 U
	6/12/2018	<0.40 U	<0.80 U	<0.40 U	<1.2 U	38	<0.40 U
	10/24/2018	<0.40 U	<0.80 U	<0.40 U	<1.2 U	9.4	<0.40 U
	5/14/2019	<0.40 U	<0.80 U	<0.40 U	<1.2 U	2.3	<0.40 U
	10/10/2019	<0.40 U	<0.80 U	<0.40 U	<1.2 U	2.7	< 0.40 U
	6/24/2020	<0.40 U	<0.80 U	<0.40 U	<1.2 U	6.6	< 0.40 U
	10/26/2020	<0.40 U	<0.80 U	<0.40 U	<1.2 U	20	< 0.40 U
	7/1/2021	<0.40 U	<0.80 U	<0.40 U	<1.2 U	7.8	< 0.40 U
	10/28/2021	<0.40 U	<0.80 U	<0.40 U	<1.2 U	9.2	< 0.40 UJ
MW-40	4/17/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	8.2	NA
	4/2/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	21	NA
	10/17/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	1.8	< 0.5 U
	4/23/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	1.4 J	< 0.5 U
	9/11/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	4.8	< 0.5 U
	5/15/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	6.8 J	< 5.0 U
	11/4/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	1.9 J	< 5.0 U
	4/21/2016	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U
	10/24/2016	<0.40 U	<0.80 U	<0.40 U	<1.2 U	28	<0.40 U
	6/8/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	0.56 J	<0.40 UJ
	11/3/2017	<0.40 U	<0.80 U	<0.40 U	<1.2 U	1.6 J	<0.40 U

Table 3-3
Groundwater Analytical Data - April 2011 through October 2021
SWMU 26, Former 724th Tanker Purging Area
Fort Stewart, Georgia

	VOCs - USEPA Method SW8260 (µg/L)						
	Chemical Name	Benzene	Toluene	Ethylbenzene	Xylenes (total)	MTBE*	Naphthalene*
	MCL/SSRG	5	1000	700	10000	59**	6.1**
Location ID	Sample Date						
MW-41	5/4/2011	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA
	10/19/2011	< 1 U	< 1 U	< 1 U	< 1 U	18	NA
	4/18/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	47	NA
	10/24/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	0.47 J	NA
	4/3/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
	10/16/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	6.8	< 0.5 U
	4/24/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	0.50	< 0.5 U
	5/13/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	< 0.50 U	< 5.0 U
	11/4/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	< 0.50 U	< 5.0 U
	4/22/2016	<0.40 U	<0.40 U	<0.40 U	<0.40 U	0.85 J	<0.40 U
	10/26/2016	<4.0 U	<8.0 U	<4.0 U	<12 U	<4.0 U	<4.0 U
	6/9/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	<0.40 UJ	<0.40 UJ
	11/1/2017	<0.40 U	<0.80 U	<0.40 U	<1.2 U	<0.40 U	<0.40 U
MW-42	4/12/2011	0.2 J	0.61	2.2	2.7	NA	NA
	10/18/2011	< 5 U	< 5 U	< 5 U	< 5 U	170	NA
	1/31/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	110	NA
	4/17/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	53	NA
	10/23/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	77	NA
	4/2/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	46	NA
	10/16/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	120	< 0.5 U
	4/24/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	100	< 0.5 U
	9/9/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	94	< 0.5 U
	5/14/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	180	< 5.0 U
	11/4/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	47	< 5.0 U
	4/20/2016	<0.44 U	<0.44 U	<0.44 U	<0.44 U	57	<1.1 UB
	10/25/2016	<2.0 U	<4.0 U	<2.0 U	<6.0 U	180 D	<2.0 U
	6/8/2017	<2.0 UJ	<4.0 UJ	<2.0 UJ	<6.0 UJ	110 J	<2.0 UJ
	11/2/2017	<0.40 U	<0.80 U	<0.40 U	<1.2 U	58	<0.40 U
	6/12/2018	<0.80 U	<0.80 U	<1.60 U	<2.4 U	72	<0.80 U
	10/23/2018	<0.80 U	<1.6 U	<0.80 U	<2.4 U	75 D	<0.80 U
	5/14/2019	<0.40 U	<0.80 U	<0.40 U	<1.2 U	38	<0.40 U
	10/10/2019	<0.40 U	<0.80 U	<0.40 U	<1.2 U	4.1	<0.40 U
	6/24/2020	<0.40 U	<0.80 U	<0.40 U	<1.2 U	27	<0.40 U
	6/24/2020 (Dup)	<0.40 U	<0.80 U	<0.40 U	<1.2 U	26	<0.40 U
	10/26/2020	<0.40 U	<0.80 U	<0.40 U	<1.2 U	24	<0.40 U
	6/30/2021	<0.40 U	<0.80 U	<0.40 U	<1.2 U	20	<0.40 U
	10/28/2021	<0.40 U	<0.80 U	<0.40 U	<1.2 U	18	<0.40 UJ

Table 3-3
Groundwater Analytical Data - April 2011 through October 2021
SWMU 26, Former 724th Tanker Purging Area
Fort Stewart, Georgia

	VOCs - USEPA Method SW8260 (µg/L)						
	Chemical Name	Benzene	Toluene	Ethylbenzene	Xylenes (total)	MTBE*	Naphthalene*
	MCL/SSRG	5	1000	700	10000	59**	6.1**
Location ID	Sample Date						
MW-43	4/13/2011	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA
	10/19/2011	< 1 U	< 1 U	< 1 U	< 1 U	110	NA
	1/31/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	160	NA
	4/17/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	150 J	NA
	10/23/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	130	NA
	4/2/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	59	NA
	10/16/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	110	< 0.5 U
	4/24/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	65	< 0.5 U
	9/10/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	66	< 0.5 U
	5/14/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	18	< 5.0 U
MW-43 (Continued)	11/5/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	74	< 5.0 U
	4/21/2016	<0.40 U	<0.40 U	<0.40 U	<0.40 U	58	<0.40 U
	10/25/2016	<0.40 U	<0.80 U	<0.40 U	<1.2 U	49	<0.40 U
	6/8/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	0.59 J	<0.40 UJ
	11/1/2017	<0.40 U	<0.80 U	<0.40 U	<1.2 U	30	<0.40 U
	6/12/2018	<0.40 U	<0.80 U	<0.40 U	<1.2 U	27	<0.40 U
	10/23/2018	<0.80 U	<1.6 U	<0.80 U	<2.4 U	60	<0.80 U
	5/15/2019	<0.40 U	<0.80 U	<0.40 U	<1.2 U	57	<0.40 U
	10/10/2019	<0.40 U	<0.80 U	<0.40 U	<1.2 U	<0.40 U	<0.40 U
	6/24/2020	<0.40 U	<0.80 U	<0.40 U	<1.2 U	33	<0.40 U
	10/26/2020	<0.40 U	<0.80 U	<0.40 U	<1.2 U	34	<0.40 U
	7/1/2021	<0.40 U	<0.80 U	<0.40 U	<1.2 U	49	<0.40 U
	10/28/2021	<0.40 U	<0.80 U	<0.40 U	<1.2 U	40	<0.40 UJ
MW-44	10/25/2016	< 0.80 U	<1.6 U	< 0.80 U	< 2.4 U	96 D	< 0.80 U
	6/8/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	71 J	<0.40 UJ
	11/1/2017	<0.40 U	<0.80 U	<0.40 U	<1.2 U	62	<0.40 U
	6/12/2018	<0.40 U	<0.80 U	<0.40 U	<1.2 U	43	<0.40 U
	10/24/2018	<0.40 U	<0.80 U	<0.40 U	<1.2 U	69	<0.40 U
	5/15/2019	<0.40 U	<0.80 U	<0.40 U	<1.2 U	38	<0.40 U
	10/10/2019	<0.40 U	<0.80 U	<0.40 U	<1.2 U	37	<0.40 U
	6/24/2020	<0.40 U	<0.80 U	<0.40 U	<1.2 U	39	<0.40 U
	10/27/2020	<0.40 U	<0.80 U	<0.40 U	<1.2 U	25	<0.40 U
	7/2/2021	<0.40 U	<0.80 U	<0.40 U	<1.2 U	14	<0.40 U
	10/28/2021	<0.40 U	<0.80 U	<0.40 U	<1.2 U	15	<0.40 UJ
MW-45	10/24/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	12	NA
	10/25/2016	<0.40 U	<0.80 U	<0.40 U	<1.2 U	5.2	<0.40 U
	6/9/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	2.0 J	<0.40 UJ
	11/1/2017	<0.40 U	<0.80 U	<0.40 U	<1.2 U	1.9 J	<0.40 U
MW-46	4/18/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	6.7	NA
	10/25/2016	<0.40 U	<0.80 U	<0.40 U	<1.2 U	1.5 J	<0.40 U
	6/7/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	2.5 J	<0.40 UJ
	10/31/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	7.4 J	<0.40 UJ

Table 3-3
Groundwater Analytical Data - April 2011 through October 2021
SWMU 26, Former 724th Tanker Purging Area
Fort Stewart, Georgia

	VOCs - USEPA Method SW8260 (µg/L)						
	Chemical Name	Benzene	Toluene	Ethylbenzene	Xylenes (total)	MTBE*	Naphthalene*
	MCL/SSRG	5	1000	700	10000	59**	6.1**
Location ID	Sample Date						
MW-47	4/17/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
	4/2/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	0.89	NA
	4/22/2016	<0.40 U	<0.40 U	<0.40 U	<0.40 U	3.4	<0.40 U
	10/25/2016	<0.40 U	<0.80 U	<0.40 U	<1.2 U	11	<0.40 U
	6/8/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	11 J	<0.40 UJ
	11/3/2017	<2.0 U	<4.0 U	<2.0 U	<6.0 U	<2.0 U	<2.0 U
MW-48	4/17/2012	1.6	< 0.5 U	0.48 J	< 0.5 U	46	NA
	10/23/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
	4/22/2016	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U
MW-49	4/12/2011	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA
	10/18/2011	< 1 U	< 1 U	< 1 U	< 1 U	7.6	NA
	10/23/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	1.3	NA
	4/2/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	0.43 J	NA
	10/16/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	3.6	< 0.5 U
	4/24/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	0.71	< 0.5 U
	9/9/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	3.1	< 0.5 U
	5/14/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	< 0.50 U	< 5.0 U
	11/4/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	0.39 J	< 5.0 U
	4/21/2016	<0.40 U	<0.40 U	<0.40 U	<0.40 U	3.6	<0.40 U
	10/25/2016	<0.40 U	<0.80 U	<0.40 U	<1.2 U	<0.40 U	<0.40 U
	6/8/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	1.0 J	<0.40 UJ
	11/2/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	<0.40 UJ	<0.40 UJ
MW-50	4/12/2011	6.5	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA
	10/18/2011	3.8	< 1 U	< 1 U	< 1 U	23	NA
	4/17/2012	9.7	< 0.5 U	< 0.5 U	< 0.5 U	40	NA
	10/23/2012	12	< 0.5 U	< 0.5 U	< 0.5 U	70	NA
	4/2/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	67	NA
	10/16/2013	0.13 J	< 0.5 U	< 0.5 U	< 0.5 U	14	< 0.5 U
	4/24/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	78	< 0.5 U
	9/9/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	50	< 0.5 U
	5/14/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	39	< 5.0 U
	11/4/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	33	< 5.0 U
	4/20/2016	<0.40 U	<0.40 U	<0.40 U	<0.40 U	1.2	<0.40 U
	10/25/2016	<4.0 U	<8.0 U	<4.0 U	<12 U	12 JD	<4.0 U
	6/8/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	0.65 J	<0.40 UJ
	11/2/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	5.1 J	<0.40 UJ
	6/12/2018	<0.40 U	<0.80 U	<0.40 U	<1.2 U	9.4	<0.40 U
	10/23/2018	<0.40 U	<0.80 U	<0.40 U	<1.2 U	<0.40 U	<0.40 U
	5/15/2019	<0.40 U	<0.80 U	<0.40 U	<1.2 U	2.6	<0.40 U
	10/10/2019	<0.40 U	<0.80 U	<0.40 U	<1.2 U	9.4	<0.40 U
	6/24/2020	<0.40 U	<0.80 U	<0.40 U	<1.2 U	1.2 J	<0.40 U
	10/27/2020	<0.40 U	<0.80 U	<0.40 U	<1.2 U	< 0.40 U	<0.40 U
	6/30/2021	<0.40 U	<0.80 U	<0.40 U	<1.2 U	0.94 J	<0.40 U
	10/28/2021	<0.40 U	<0.80 U	<0.40 U	<1.2 U	0.73 J	<0.40 UJ

Table 3-3
Groundwater Analytical Data - April 2011 through October 2021
SWMU 26, Former 724th Tanker Purging Area
Fort Stewart, Georgia

	VOCs - USEPA Method SW8260 (µg/L)						
	Chemical Name	Benzene	Toluene	Ethylbenzene	Xylenes (total)	MTBE*	Naphthalene*
	MCL/SSRG	5	1000	700	10000	59**	6.1**
Location ID	Sample Date						
MW-51	4/12/2011	1.5	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA
	10/18/2011	1.1	< 1 U	0.55 J	0.33 J	43	NA
	4/17/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	150	NA
	10/23/2012	< 0.5 U	4.0	< 0.5 U	< 0.5 U	15	NA
	4/2/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	61	NA
	10/16/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	5.7	< 0.5 U
	4/24/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	5.2	< 0.5 U
	9/10/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	120	3.1
	5/14/2015	< 1.0 U	< 1.0 U	< 1.0 U	< 0.50 U	21	< 5.0 U
	11/5/2015	< 1.0 U	< 1.0 U	< 1.0 U	< 0.50 U	7.3 J	< 5.0 U
	4/21/2016	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	4.4	< 0.40 U
	10/24/2016	< 0.40 U	< 0.80 U	< 0.40 U	< 1.2 U	14	< 0.40 U
MW-51 (Continued)	6/8/2017	< 0.40 UJ	< 0.80 UJ	< 0.40 UJ	< 1.2 UJ	5.3 J	< 0.40 UJ
	11/2/2017	< 0.40 UJ	< 0.80 UJ	< 0.40 UJ	< 1.2 UJ	14 J	< 0.40 UJ
	6/12/2018	< 0.40 U	< 0.80 U	< 0.40 U	< 1.2 U	6.8	< 0.40 U
	10/24/2018	< 0.40 U	< 0.80 U	< 0.40 U	< 1.2 U	7.8	< 0.40 U
	5/15/2019	< 0.40 U	< 0.80 U	< 0.40 U	< 1.2 U	1.1 J	< 0.40 U
	10/10/2019	< 0.40 U	< 0.80 U	< 0.40 U	< 1.2 U	11	< 0.40 U
	6/24/2020	< 0.40 U	< 0.80 U	< 0.40 U	< 1.2 U	19	< 0.40 U
	10/27/2020	< 0.40 U	< 0.80 U	< 0.40 U	< 1.2 U	18	< 0.40 U
	6/30/2021	< 0.40 U	< 0.80 U	< 0.40 U	< 1.2 U	14	< 0.40 U
	10/28/2021	< 0.40 U	< 0.80 U	< 0.40 U	< 1.2 U	16	< 0.40 UJ
MW-52	4/12/2011	1.3	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA
	10/18/2011	37	< 1 U	< 1 U	< 1 U	200	NA
	1/31/2012	0.61	< 0.5 U	< 0.5 U	< 0.5 U	160	NA
	4/17/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	120	NA
	10/23/2012	0.38 J	< 0.5 U	< 0.5 U	< 0.5 U	120	NA
	4/2/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	43	NA
	10/16/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	35	< 0.5 U
	4/24/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	11	< 0.5 U
	9/10/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	11	< 0.5 U
	5/14/2015	< 1.0 U	< 1.0 U	< 1.0 U	< 0.50 U	3.9 J	< 5.0 U
	11/5/2015	< 1.0 U	< 1.0 U	< 1.0 U	< 0.50 U	3.3 J	< 5.0 U
	4/21/2016	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	3.9	< 0.40 U
	10/25/2016	< 0.40 U	< 0.80 U	< 0.40 U	< 1.2 U	3.5	< 0.40 U
	6/8/2017	< 0.40 UJ	< 0.80 UJ	< 0.40 UJ	< 1.2 UJ	0.98 J	< 0.40 UJ
	11/2/2017	< 0.40 UJ	< 0.80 UJ	< 0.40 UJ	< 1.2 UJ	2.5 J	< 0.40 UJ
	6/12/2018	< 0.40 U	< 0.80 U	< 0.40 U	< 1.2 U	1.3 J	< 0.40 U
	10/24/2018	< 0.40 U	< 0.80 U	< 0.40 U	< 1.2 U	1.1 J	< 0.40 UJ
	5/14/2019	< 0.40 U	< 0.80 U	< 0.40 U	< 1.2 U	1.1 J	< 0.40 U
	10/10/2019	< 0.40 U	< 0.80 U	< 0.40 U	< 1.2 U	0.51 J	< 0.40 U
	6/24/2020	< 0.40 U	< 0.80 U	< 0.40 U	< 1.2 U	0.78 J	< 0.40 U
	10/27/2020	< 0.40 U	< 0.80 U	< 0.40 U	< 1.2 U	0.86 J	< 0.40 U
	6/30/2021	< 0.40 U	< 0.80 U	< 0.40 U	< 1.2 U	0.68 J	< 0.40 U
	10/28/2021	< 0.40 U	< 0.80 U	< 0.40 U	< 1.2 U	0.73 J	< 0.40 UJ

Table 3-3
Groundwater Analytical Data - April 2011 through October 2021
SWMU 26, Former 724th Tanker Purging Area
Fort Stewart, Georgia

Location ID	VOCs - USEPA Method SW8260 (µg/L)						
	Chemical Name	Benzene	Toluene	Ethylbenzene	Xylenes (total)	MTBE*	Naphthalene*
	MCL/SSRG	5	1000	700	10000	59**	6.1**
Location ID	Sample Date						
MW-53	4/12/2011	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA
	10/19/2011	< 1 U	< 1 U	< 1 U	< 1 U	3.6	NA
	4/17/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	3.8	NA
	10/23/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	2.7	NA
	4/3/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	15	NA
	10/16/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	44	< 0.5 U
	4/24/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	87	< 0.5 U
	9/9/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	110	< 0.5 U
	5/14/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	0.75 J	< 5.0 U
	11/4/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	21	< 5.0 U
	4/21/2016	<0.40 U	<0.40 U	<0.40 U	<0.40 U	0.54 J	<0.40 U
	10/25/2016	<0.40 U	<0.80 U	<0.40 U	<0.40 U	14	<0.40 U
	6/8/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	0.48 J	<0.40 UJ
	11/2/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	7.3 J	<0.40 UJ
MW-53 (Continued)	6/13/2018	<0.40 U	<0.80 U	<0.40 U	<1.2 U	0.52 J	<0.40 U
	6/13/2018 (Dup)	<0.40 U	<0.80 U	<0.40 U	<1.2 U	0.34 J	<0.40 U
	10/23/2018	<0.40 U	<0.80 U	<0.40 U	<1.2 U	12	<0.40 U
	5/15/2019	<0.40 U	<0.80 U	<0.40 U	<1.2 U	0.27 J	<0.40 U
	10/10/2019	<0.40 U	<0.80 U	<0.40 U	<1.2 U	0.26 J	<0.40 U
	6/24/2020	<0.40 U	<0.80 U	<0.40 U	<1.2 U	0.98 J	<0.40 U
	10/27/2020	<0.40 U	<0.80 U	<0.40 U	<1.2 U	7.3	<0.40 U
	7/1/2021	<0.40 U	<0.80 U	<0.40 U	<1.2 U	2.7	<0.40 U
	10/28/2021	<0.40 U	<0.80 U	<0.40 U	<1.2 U	3.3	<0.40 UJ
MW-54	4/13/2011	97	0.38 J	< 1 U	< 1 U	NA	NA
	4/13/2011 (Dup)	86	< 2.5 U	< 2.5 U	< 2.5 U	NA	NA
	10/18/2011	360	< 2 U	0.96 J	< 2 U	750	NA
	10/18/2011 (Dup)	350	< 10 U	< 10 U	< 10 U	760	NA
	1/31/2012	350	0.20 J	0.97	0.20 J	760	NA
	4/18/2012	0.12 J	< 0.5 U	< 0.5 U	< 0.5 U	430	NA
	10/23/2012	80	< 2.5 U	< 2.5 U	< 2.5 U	780	NA
	10/23/2012 (Dup)	89	< 0.5 U	< 0.5 U	< 0.5 U	770	NA
	4/3/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	200	NA
	4/3/2013 (Dup)	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	210	NA
	10/16/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	110	< 0.5 U
	10/16/2013 (Dup)	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	110	< 0.5 U
	4/24/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	28	< 0.5 U
	4/24/14 (Dup)	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	26 J	< 0.5 U
	9/10/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	63	< 0.5 U
	9/10/2014 (Dup)	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	63	< 0.5 U
	5/14/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	7.6 J	< 5.0 U
	5/14/2015 (Dup)	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	8.2 J	< 5.0 U
	11/4/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	< 0.50 U	< 5.0 U
	4/21/2016	<0.40 U	<0.40 U	<0.40 U	<0.40 U	8.9	<0.40 U
	10/26/2016	<4.0 U	<8.0 U	<4.0 U	<12 U	7.5 JD	<4.0 U
	10/26/2016 Dup	<4.0 U	<8.0 U	<4.0 U	<12 U	6.9 JD	<4.0 U
	6/9/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	6.4 J	<0.40 UJ
	6/9/2017 (Dup)	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	6.5 J	<0.40 UJ

Table 3-3
Groundwater Analytical Data - April 2011 through October 2021
SWMU 26, Former 724th Tanker Purging Area
Fort Stewart, Georgia

	VOCs - USEPA Method SW8260 (µg/L)						
	Chemical Name	Benzene	Toluene	Ethylbenzene	Xylenes (total)	MTBE*	Naphthalene*
	MCL/SSRG	5	1000	700	10000	59**	6.1**
Location ID	Sample Date						
	11/2/2017	<0.40 U	<0.80 U	<0.40 U	<1.2 U	5.0	<0.40 U
	11/2/2017 (Dup)	<0.40 U	<0.80 U	<0.40 U	<1.2 U	4.9	<0.40 U
	6/13/2018	<0.40 U	<0.80 U	<0.40 U	<1.2 U	0.32 J	<0.40 U
	10/23/2018	<0.40 U	<0.80 U	<0.40 U	<1.2 U	2.2	<0.40 U
	5/15/2019	<0.40 U	<0.80 U	<0.40 U	<1.2 U	1.9 J	<0.40 U
	5/15/2019 (Dup)	<0.40 U	<0.80 U	<0.40 U	<1.2 U	1.8 J	<0.40 U
	10/10/2019	<0.40 U	<0.80 U	<0.40 U	<1.2 U	3.1	<0.40 U
	6/25/2020	<0.40 U	<0.80 U	<0.40 U	<1.2 U	0.79 J	<0.40 U
	10/27/2020	<0.40 U	<0.80 U	<0.40 U	<1.2 U	0.64 J	<0.40 U
	6/29/2021	<0.40 U	<0.80 U	<0.40 U	<1.2 U	1.4 J	<0.40 U
	10/28/2021	<0.40 U	<0.80 U	<0.40 U	<1.2 U	2.5	<0.40 UJ
MW-55	4/13/2011	52	<2.5 U	<2.5 U	<2.5 U	NA	NA
	10/18/2011	180	<5 U	<5 U	<5 U	610	NA
	1/31/2012	270	<0.5 U	<0.5 U	<0.5 U	630	NA
	4/18/2012	200	<0.5 U	<0.5 U	<0.5 U	700	NA
	4/18/2012 (Dup)	200	<0.5 U	<0.5 U	<0.5 U	700	NA
	10/24/2012	140	13	2.9 J	17	510	NA
	10/24/2012 (Dup)	130	<0.5 U	<5.0 U	<5.0 U	470	NA
	4/3/2013	<0.5 U	<0.5 U	<5.0 U	<5.0 U	200	NA
	4/3/2013 (Dup)	<0.5 U	<0.5 U	<5.0 U	<5.0 U	180	NA
	10/15/2013	10	<0.5 U	<5.0 U	<5.0 U	240 J	<0.5 U
	10/15/2013 (Dup)	13	<0.5 U	<5.0 U	<5.0 U	240	<0.5 U
	4/24/2014	<0.5 U	<0.5 U	<0.5 U	<0.5 U	22	<0.5 U
	4/24/14 (Dup)	<0.5 U	<0.5 U	<0.5 U	<0.5 U	17 J	<0.5 U
	9/11/2014	16	<0.5 U	<0.5 U	<0.5 U	190	<0.5 U
	9/11/2014 (Dup)	15	<0.5 U	<0.5 U	<0.5 U	180	<0.5 U
	5/13/2015	<1.0 U	<1.0 U	<1.0 U	<0.50 U	17	<5.0 U
	5/13/2015 (Dup)	<1.0 U	<1.0 U	<1.0 U	<0.50 U	17	<5.0 U
	11/5/2015	<1.0 U	<1.0 U	<1.0 U	<0.50 U	75 J	<5.0 U
	11/5/2015 (Dup)	<1.0 U	<1.0 U	<1.0 U	<0.50 U	73	<5.0 U
	4/20/2016	0.35 J	<0.40 U	<0.40 U	<0.40 U	45	<0.40 U
	4/20/2016 (Dup)	0.33 J	<0.40 U	<0.40 U	<0.40 U	53	<0.40 U
	10/25/2016	<2.0 U	<4.0 U	<2.0 U	<6.0 U	68 D	<2.0 U
	10/25/2016 (Dup)	<0.40 U	<0.80 U	<0.40 U	<1.2 U	68	<0.40 U
	6/9/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	14 J	<0.40 UJ
	6/9/2017 (Dup)	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	13 J	<0.40 UJ
	11/1/2017	<0.40 U	<0.80 U	<0.40 U	1.2 U	1.4 J	<0.40 U
	11/1/2017 (Dup)	<0.40 U	<0.80 U	<0.40 U	<1.2 U	0.96 J	<0.40 U
	6/12/2018	<0.40 U	<0.80 U	<0.40 U	<1.2 U	0.96 J	<0.40 U
	10/23/2018	<0.40 U	<0.80 U	<0.40 U	<1.2 U	1.8 J	<0.40 U
	5/15/2019	<0.40 U	<0.80 U	<0.40 U	<1.2 U	0.54 J	<0.40 U
	10/10/2019	<0.40 U	<0.80 U	<0.40 U	<1.2 U	1.7 J	<0.40 U
	10/10/2019 (Dup)	<0.40 U	<0.80 U	<0.40 U	<1.2 U	1.6 J	<0.40 U
	6/24/2020	<0.40 U	<0.80 U	<0.40 U	<1.2 U	<0.40 U	<0.40 U
	10/27/2020	<0.40 U	<0.80 U	<0.40 U	<1.2 U	1.1 J	<0.40 U
	10/27/2020 (Dup)	<0.40 U	<0.80 U	<0.40 U	<1.2 U	1.1 J+	<0.40 U
	7/2/2021	<0.40 U	<0.80 U	<0.40 U	<1.2 U	0.71 J	<0.40 U

Table 3-3
Groundwater Analytical Data - April 2011 through October 2021
SWMU 26, Former 724th Tanker Purging Area
Fort Stewart, Georgia

	VOCs - USEPA Method SW8260 (µg/L)						
	Chemical Name	Benzene	Toluene	Ethylbenzene	Xylenes (total)	MTBE*	Naphthalene*
	MCL/SSRG	5	1000	700	10000	59**	6.1**
Location ID	Sample Date						
	7/2/2021 (Dup)	<0.40 U	<0.80 U	<0.40 U	<1.2 U	0.70 J	<0.40 U
	10/27/2021	<0.40 U	<0.80 U	<0.40 U	<1.2 U	<0.40 U	<0.40 UJ
	10/27/2021 (Dup)	<0.40 U	<0.80 U	<0.40 U	<1.2 U	0.85 J	<0.40 U
MW-56	4/13/2011	0.62	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA
	10/19/2011	0.51 J	< 1 U	< 1 U	< 1 U	130	NA
	4/17/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	38	NA
	10/23/2012	0.13 J	< 0.5 U	< 0.5 U	< 0.5 U	52	NA
	4/3/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	24	NA
	10/16/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	22	< 0.5 U
	4/24/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	6.8	< 0.5 U
	9/10/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	16	< 0.5 U
MW-56 (Continued)	5/14/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	11	< 5.0 U
	11/4/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	12	< 5.0 U
	4/22/2016	<0.40 U	<0.40 U	<0.40 U	<0.40 U	2.0	<0.40 U
	10/26/2016	<4.0 U	<8.0 U	<4.0 U	<12 U	7.1 JD	<4.0 U
	6/8/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	1.5 J	<0.40 UJ
	11/3/2017	<0.80 U	1.6 U	<0.80 U	2.4 U	20	<0.80 U
	6/12/2018	<0.40 U	0.8 U	<0.40 U	<1.2 U	0.54 J	<0.40 U
	10/23/2018	<0.40 U	<0.8 U	<0.40 U	<1.2 U	0.57 J	<0.40 U
	5/14/2019	<0.40 U	<0.8 U	<0.40 U	<1.2 U	1.7 J	<0.40 U
	10/10/2019	<0.40 U	<0.8 U	<0.40 U	<1.2 U	3.5	<0.40 U
	6/24/2020	<0.40 U	<0.8 U	<0.40 U	<1.2 U	7.3	<0.40 U
	10/27/2020	<0.40 U	<0.8 U	<0.40 U	<1.2 U	5	<0.40 U
	6/29/2021	<0.40 U	<0.8 U	<0.40 U	<1.2 U	2.0	<0.40 U
	10/28/2021	<0.40 U	<0.8 U	<0.40 U	<1.2 U	4.4	<0.40 UJ
MW-57	4/13/2011	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA
	10/18/2011	< 1 U	< 1 U	< 1 U	< 1 U	1	NA
	1/31/2012	0.25 J	< 0.5 U	< 0.5 U	< 0.5 U	110	NA
	4/18/2012	0.19 J	< 0.5 U	< 0.5 U	< 0.5 U	68	NA
	10/23/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	10	NA
	4/2/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	72	NA
	10/16/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	100	< 0.5 U
	4/24/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	130	< 0.5 U
	9/10/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	83	< 0.5 U
	5/14/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	89	< 5.0 U
	11/4/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	< 0.50 U	< 5.0 U
	4/21/2016	<0.40 U	<0.40 U	<0.40 U	<0.40 U	60	<0.40 U
	10/25/2016	<0.40 U	<0.80 U	<0.40 U	<1.2 U	<0.40 U	<0.40 U
	6/9/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	0.41 J	<0.40 UJ
	11/1/2017	<0.40 U	<0.80 U	<0.40 U	<1.2 U	17	<0.40 U
	6/13/2018	<0.40 U	<0.80 U	<0.40 U	<1.2 U	28	<0.40 U
	10/23/2018	<0.40 U	<0.80 U	<0.40 U	<1.2 U	17	<0.40 U
	5/15/2019	<0.40 U	<0.80 U	<0.40 U	<1.2 U	10	<0.40 U
	10/10/2019	<0.40 U	<0.80 U	<0.40 U	<1.2 U	5.1 J	<0.40 U
	6/24/2020	<0.40 U	<0.80 U	<0.40 U	<1.2 U	<0.40 U	<0.40 U
	10/26/2020	<0.40 U	<0.80 U	<0.40 U	<1.2 U	14	<0.40 U
	7/1/2021	<0.40 U	<0.80 U	<0.40 U	<1.2 U	7.7	<0.40 U
	10/28/2021	<0.40 U	<0.80 U	<0.40 U	<1.2 U	11	<0.40 UJ

Table 3-3
Groundwater Analytical Data - April 2011 through October 2021
SWMU 26, Former 724th Tanker Purging Area
Fort Stewart, Georgia

	VOCs - USEPA Method SW8260 (µg/L)						
	Chemical Name	Benzene	Toluene	Ethylbenzene	Xylenes (total)	MTBE*	Naphthalene*
	MCL/SSRG	5	1000	700	10000	59**	6.1**
Location ID	Sample Date						
MW-58	4/12/2011	2.2	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA
	10/18/2011	1.9	< 1 U	< 1 U	< 1 U	9.8	NA
	4/17/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	13	NA
	10/23/2012	2.0	< 0.5 U	< 0.5 U	< 0.5 U	12	NA
	4/2/2013	1.4	< 0.5 U	< 0.5 U	< 0.5 U	11	NA
	10/16/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	7.9	< 0.5 U
	4/24/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	12	< 0.5 U
	9/9/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	13	< 0.5 U
	5/14/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	8.5 J	< 5.0 U
MW-58 (Continued)	11/4/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	8.9 J	< 5.0 U
	4/21/2016	<0.40 U	<0.40 U	<0.40 U	<0.40 U	3.5	<0.40 U
	10/25/2016	<0.40 U	<0.80 U	<0.40 U	<1.2 U	7.4	<0.40 U
	6/8/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	0.30 J	<0.40 UJ
	11/3/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	9.1 J	<0.40 UJ
MW-59	4/12/2011	< 0.5 U	< 0.5 U	< 0.5 U	0.31 J	NA	NA
	10/19/2011	< 1 U	< 1 U	< 1 U	< 1 U	15	NA
	4/19/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	9.7	NA
	10/24/2012	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	6.4	NA
	4/3/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	4	NA
	10/15/2013	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	1.1	< 0.5 U
	4/23/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	0.16 J	< 0.5 U
	9/9/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	4.3	2.2
	5/13/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	< 0.50 U	< 5.0 U
	11/3/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	2.8 J	< 5.0 U
	4/20/2016	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U
	10/24/2016	<4.0 U	<8.0 U	<4.0 U	<12 U	<4.0 U	<4.0 U
	6/7/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	<0.40 UJ	<0.40 UJ
	11/2/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	<0.40 UJ	<0.40 UJ
MW-60	5/16/2014	< 0.5 U	0.43 J	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
	9/11/2014	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
	5/15/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	< 0.50 U	< 5.0 U
	11/5/2015	<1.0 U	<1.0 U	<1.0 U	< 0.50 U	< 0.50 U	< 5.0 U
	4/21/2016	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U	<0.40 U
	10/24/2016	<0.40 U	<0.80 U	<0.40 U	<1.2 U	<0.40 U	<0.40 U
	6/9/2017	<0.40 UJ	<0.80 UJ	<0.40 UJ	<1.2 UJ	<0.40 UJ	<0.40 UJ
	11/3/2017	<0.40 U	<0.80 U	<0.40 U	<1.2 U	<0.40 U	<0.40 U

Table 3-3
Groundwater Analytical Data - April 2011 through October 2021
SWMU 26, Former 724th Tanker Purging Area
Fort Stewart, Georgia

	VOCs - USEPA Method SW8260 (µg/L)						
	Chemical Name	Benzene	Toluene	Ethylbenzene	Xylenes (total)	MTBE*	Naphthalene*
	MCL/SSRG	5	1000	700	10000	59**	6.1**
Location ID	Sample Date						

Notes:

 - Indicates the sample result exceeds the MCL or Site Specific Remediation Goal

* - All data highlights updated to reflect screening criteria change from data exceeding the Tap Water RSL (MTBE - 14 µg/L, Naphthalene - 0.17 µg/L) to data exceeding Site-Specific Remediation Goals for MTBE and Naphthalene.

** - Site-Specific Remediation Goal (GAEPD, February 5, 2016)

µg/L - micrograms per liter

BOLD - indicate the analyte was detected

D - Sample diluted for analysis.

DUP - Duplicate sample

J - The sample result is estimated

J+ - Detected and greater than the upper control limit

MCL - USEPA Maximum Contaminant Level - National Primary Drinking Water Regulations

MTBE - Methyl tert-butyl ether

NA - Not Analyzed

SSRG - Site-Specific Remediation Goal

U - The analyte was not detected above the level of detection

UB - Compound/analyte detected in blank or associated blank, qualified as a non-detect at listed value

UJ - Result is considered not detected but estimated due to QC deficiencies

VOCs - Volatile Organic Compounds




Table 3-4
June/July and October 2021 Monitoring Event Field Parameters
SWMU 26, Former 724th Tanker Purging Station
Fort Stewart, Georgia

Location ID	Sample Date	pH	Conductivity ¹ (µS/cm)	Temperature (°C)	ORP (mV)	DO (mg/L)	Turbidity (NTU)
MW-03	10/27/2021	5.47	170	21.00	12.50	0.32	8.61
MW-05	10/28/2021	5.34	313.7	21.20	110.70	0.60	32.88
MW-12	10/27/2021	3.81	60	20.40	180.10	0.74	11.87
MW-13	10/28/2021	3.81	82.8	21.00	118.10	0.27	1.41
MW-14	10/27/2021	4.41	50	21.30	156.30	0.22	11.99
MW-18	10/28/2021	5.31	420	21.80	15.30	0.21	7.49
MW-19	6/25/2020	5.64	263.4	22.6	-16.5	0.61	878.3
	10/27/2020	5.52	261.3	22.9	29.9	1.00	68.20
	6/29/2021	5.09	227.7	24.6	23	0.78	79.3
	10/28/2021	5.56	189.8	21.9	33.1	0.68	20.03
MW-22	10/29/2021	4.43	103.7	20.8	146.5	0.21	4.45
MW-23	6/24/2020	5.31	429.2	22.3	49.4	0.09	72.00
	10/27/2020	5.35	360.2	22.6	81.8	0.19	13.95
	6/30/2021	4.92	380.9	22.6	174.5	0.26	18.35
	10/28/2021	5.22	445.4	21.4	108.6	0.25	28.01
MW-25R	6/23/2020	5.45	328.7	31.2	58.8	0.14	11.61
	10/26/2020	5.58	178.8	29.5	0.4	0.43	8.05
	6/29/2021	5.36	186.6	30.9	79.2	0.24	95.13
	10/29/2021	5.72	218	26.4	47.5	0.19	16.54
MW-28R	6/23/2020	6.55	735	27.2	-16.1	0.45	4.04
	10/26/2020	6.55	1375	25.8	3.1	0.37	3.80
	6/29/2021	6.84	647	26.9	84.7	0.42	3.09
	10/27/2021	6.66	65.1	24.2	-12.6	0.67	0.56
MW-36R	6/23/2020	6.32	1577	23.2	-138.5	0.29	8.62
	10/26/2020	6.52	1598	22.3	-130.9	0.24	6.28
	6/29/2021	6.74	1601	23.1	-107.4	0.1	6.37
	10/27/2021	6.51	147.9	21.0	-169.8	0.17	4.21
MW-38	6/24/2020	7.14	961	22.3	13.4	0.35	26.63
	10/26/2020	6.93	1049	21.8	18.7	0.33	2.38
	6/29/2021	6.67	926	22.1	37.8	0.36	22.66
	10/28/2021	6.76	876	20.4	140.3	0.18	1.93
MW-39	6/24/2020	6.34	520	22.3	-80.6	0.20	46.19
	10/26/2020	6.58	902	21.9	-104.9	0.48	18.41
	7/1/2021	6.14	379.8	22.9	-26.3	0.21	50.21
	10/28/2021	6.21	290	20.1	29.1	0.49	28.99
MW-42	6/24/2020	22.00	241.7	22	61.6	0.55	7.03
	10/26/2020	6.49	192.6	22.7	81.4	0.22	9.04
	6/30/2021	6.41	166	22.6	123.3	0.3	0
	10/28/2021	6.92	200	21.1	61.1	0.24	0
MW-43	6/24/2020	5.29	642.0	22.7	129.6	0.36	59.80
	10/26/2020	5.05	594.0	21.7	159.2	0.23	1.65
	7/1/2021	4.81	380.1	23.7	249.1	0.35	1.91
	10/28/2021	4.83	420	21.4	173.6	0.45	20.15
MW-44	6/24/2020	5.15	362.8	23.2	56.6	0.47	9.79
	10/27/2020	4.82	230.6	22.3	119.4	0.23	1.02
	7/2/2021	4.77	152.0	21.9	147.6	0.41	6.87
	10/28/2021	4.96	115.3	20.7	135.9	0.33	0.32

Table 3-4
June/July and October 2021 Monitoring Event Field Parameters
SWMU 26, Former 724th Tanker Purging Station
Fort Stewart, Georgia

Location ID	Sample Date	pH	Conductivity ¹ (µS/cm)	Temperature (°C)	ORP (mV)	DO (mg/L)	Turbidity (NTU)
MW-50	6/24/2020	6.77	2081	22.1	-83.4	0.29	45.10
	10/27/2020	6.67	2071	23.3	-96.6	0.40	12.79
	6/30/2021	6.69	2001	22.4	-76.1	0.36	0.00
	10/28/2021	6.68	2150	20.6	-96.5	0.14	0.83
MW-51	6/24/2020	5.64	146.6	22.6	-14.5	0.27	6.24
	10/27/2020	5.86	149.1	21.7	-4.9	0.33	3.41
	6/30/2021	5.5	222.6	21.8	46.5	0.23	0
	10/28/2021	6.06	340	20.5	7.4	0.22	36.53
MW-52	6/24/2020	6.92	2081	24.6	-59.3	0.12	9.39
	10/27/2020	6.84	1659	21.2	-91.6	0.30	4.24
	6/30/2021	6.71	1503	21.5	-43.5	0.2	0
	10/28/2021	6.74	1610	19.9	-94.3	0.35	0
MW-53	6/24/2020	7.70	683	22.3	2.4	0.50	8.24
	10/27/2020	7.05	982	22.8	-158.4	0.15	3.87
	7/1/2021	10.82	822	21.8	67	2.1	6.14
	10/28/2021	11.22	1010	20.9	-86.7	3.68	0
MW-54	6/25/2020	6.92	1422	22.6	-84.4	0.94	8.73
	10/27/2020	6.95	1140	22.8	-24.5	0.24	2.77
	6/29/2021	6.82	803	22.2	16.7	0.29	5.25
	10/28/2021	7.02	676	20.8	-143.8	0.35	0.83
MW-55	6/24/2020	6.86	2424	23.6	40.4	0.54	6.67
	10/27/2020	6.75	2405	21.1	107.3	0.30	2.21
	7/2/2021	6.81	2033	21.3	-4.9	0.92	11.02
	10/27/2021	6.70	192.5	20.5	-72.1	0.18	9.14
MW-56	6/24/2020	6.69	2433	23.2	-70.3	0.46	194.3
	10/27/2020	6.55	2439	22.2	-88.7	0.27	69.5
	6/30/2021	6.63	2138	23.2	15.2	0.35	103.6
	10/28/2021	6.47	2454	21.6	-65.7	0.28	64.26
MW-57	6/24/2020	7.31	853	24.5	63.9	3.45	2.58
	10/26/2020	6.78	1835	22.0	-94.9	0.26	4.59
	7/1/2021	6.88	1068	23.1	165.7	1.89	4.82
	10/28/2021	6.69	1831	21.2	-123.7	0.20	2.47

Notes:

ORP - Oxidation Reduction Potential

C - Celsius

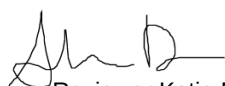
µS/cm - microsiemens per centimeter

DO - Dissolved Oxygen

mV - millivolts

mg/L - milligrams/Liter

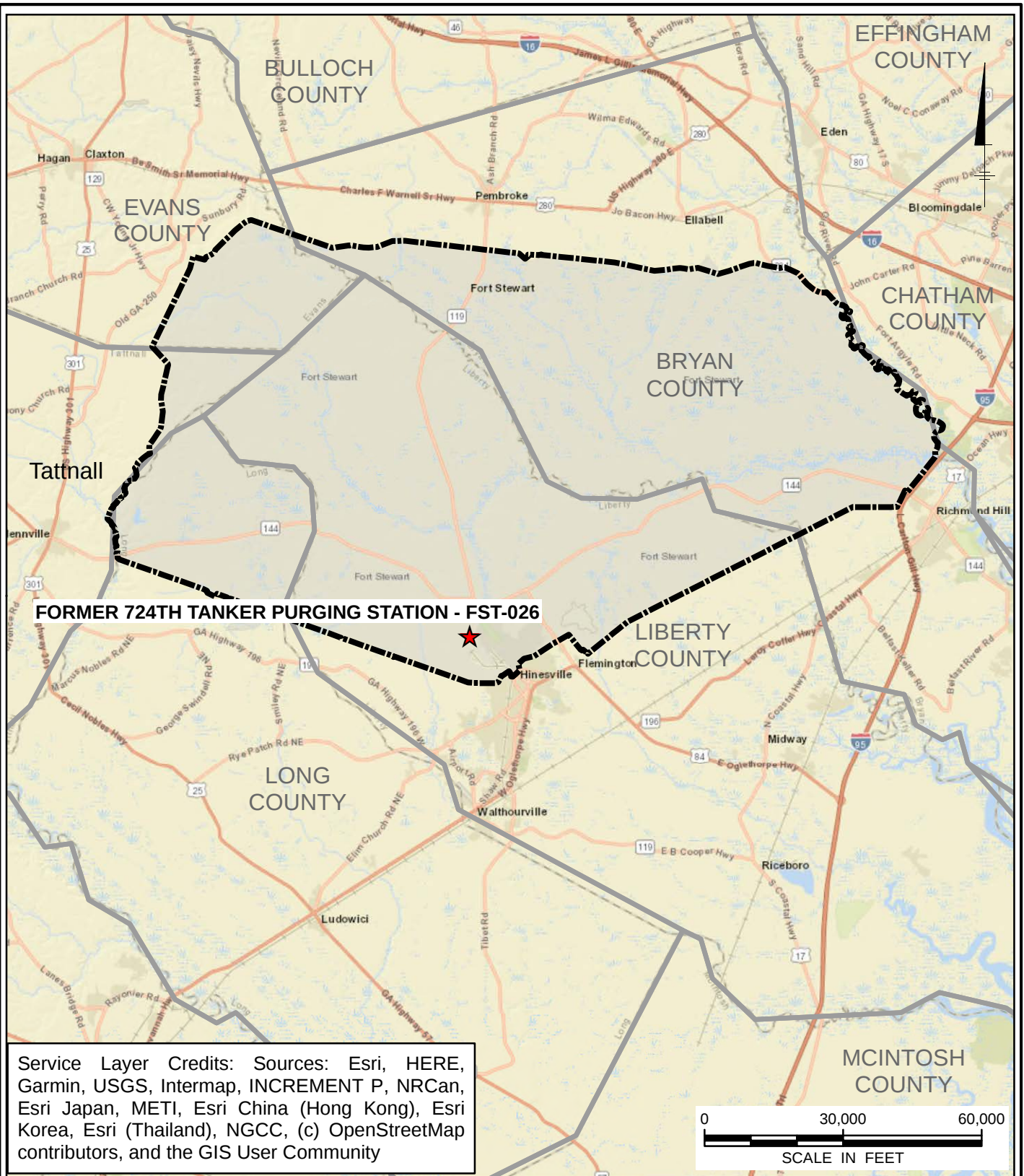
NTU - Nephelometric Turbidity Unit




FIGURES

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CITY: CITRIX DIV/GROUP: IMDV LD: K. SINSABAUGH PROJECT: 30003683.26RPT.C PATH: T:\ENVIRONMENT\STEWART\PIKAI\WAPDOCS\FST26\2021\FINAL\F1-1 S26_30TH REG.MXD SAVED: 3/4/2022 BY: KSINSABAUGH



FORT STEWART MILITARY RESERVATION, GEORGIA
**SWMU 26 – FORMER 724TH TANKER PURGING STATION
THIRTIETH CORRECTIVE ACTION PLAN
PROGRESS REPORT**

Site Location Map



FIGURE
1-1

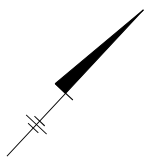
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PROJECTION: NAD83 State Plane Georgia East Feet
AERIAL SOURCE: DIGITALGLOBE (2018).

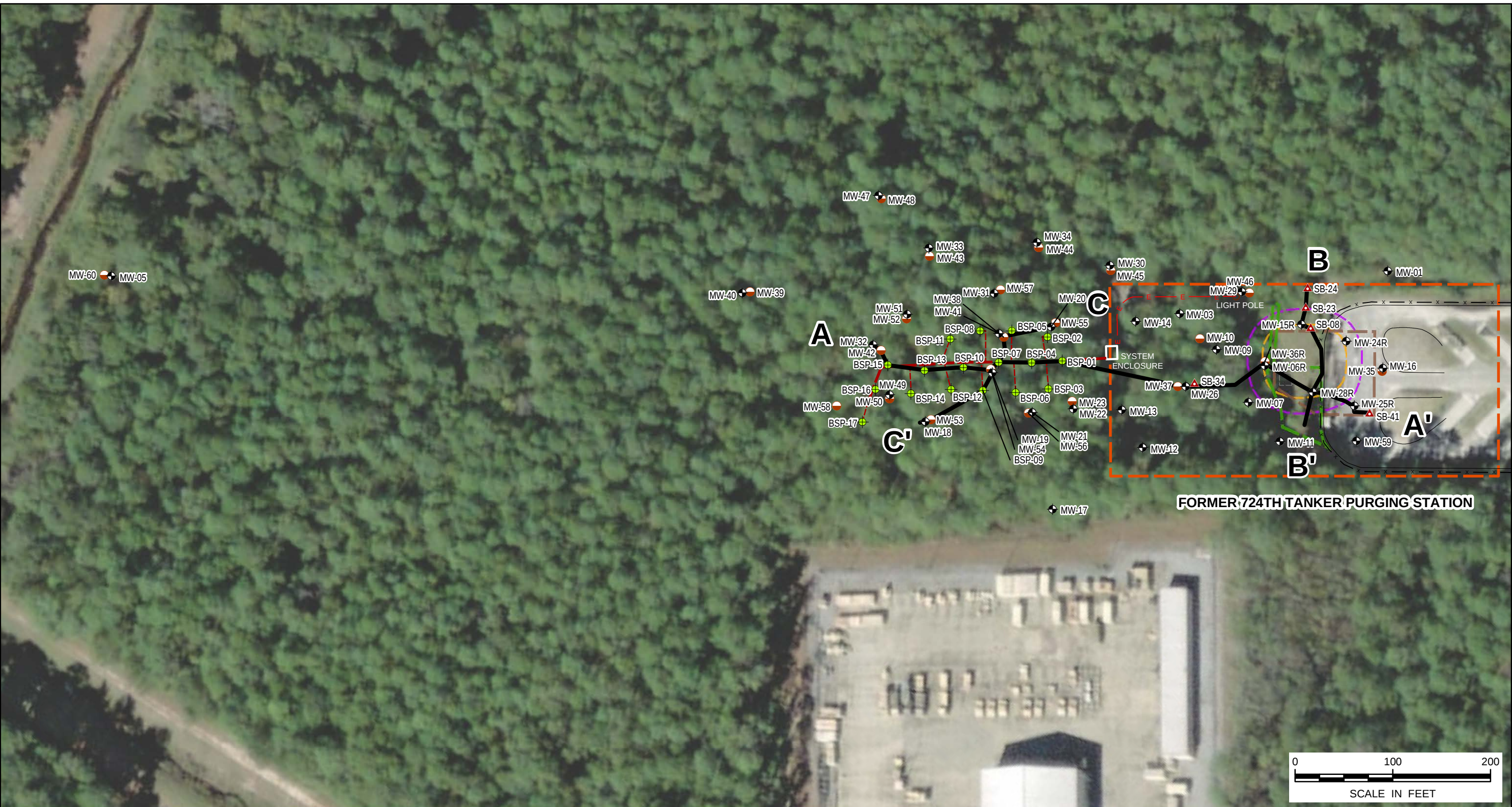
LEGEND

- | | | | |
|---|--|--------------------------------|-----------------------------------|
| ● Monitor Well (shallow) | ● Biosparge Injection Well (deep) | --- 1" Biosparge System Piping | Excavation Area (2001) |
| ● Monitor Well (deep) | --- Former 724th Tanker Purging Station | --- 3" Biosparge System Piping | Excavation Area (2010) |
| ● Monitoring Well Sampled June and October 2021 | --- Area E 2" Underground Electrical Conduit | Excavation Area (1996) | Excavation Area -12' depth (2010) |
| ● Monitoring Well Sampled in October 2021 Only | | | |



FORT STEWART MILITARY RESERVATION, GEORGIA SWMU 26 – FORMER 724TH TANKER PURGING STATION THIRTIETH CORRECTIVE ACTION PLAN PROGRESS REPORT	
Site Map	
ARCADIS	FIGURE 1-2

CITY: CITRIX DIV/GROUP: IM/DV LD: K. SINSABAUGH PROJECT: 30003683.26RPT.C PATH: T:\ENV\FORT_STEWART\PIKAIMAPDOCS\FST26\2021\FINAL\F1-3 S26_30TH XSEC LOC.MXD SAVED: 3/4/2022 BY: KSINSABAUGH



PROJECTION: NAD83 State Plane Georgia East Feet
AERIAL SOURCE: DIGITALGLOBE (2018).

LEGEND

- Monitor Well (shallow)
- Monitor Well (deep)

- Biosparge Injection Well (deep)
- Soil Boring
- 724th Tanker Purging Station Area

- 2" Underground Electrical Conduit
- 1" Biosparge System Piping
- 3" Biosparge System Piping
- Excavation Area (1996)

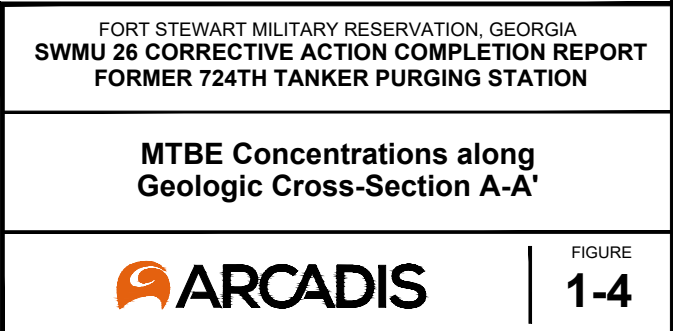
- Excavation Area (2001)
- Excavation Area (2010)
- Excavation Area -12' depth (2010)
- Geologic Cross-Section Transect

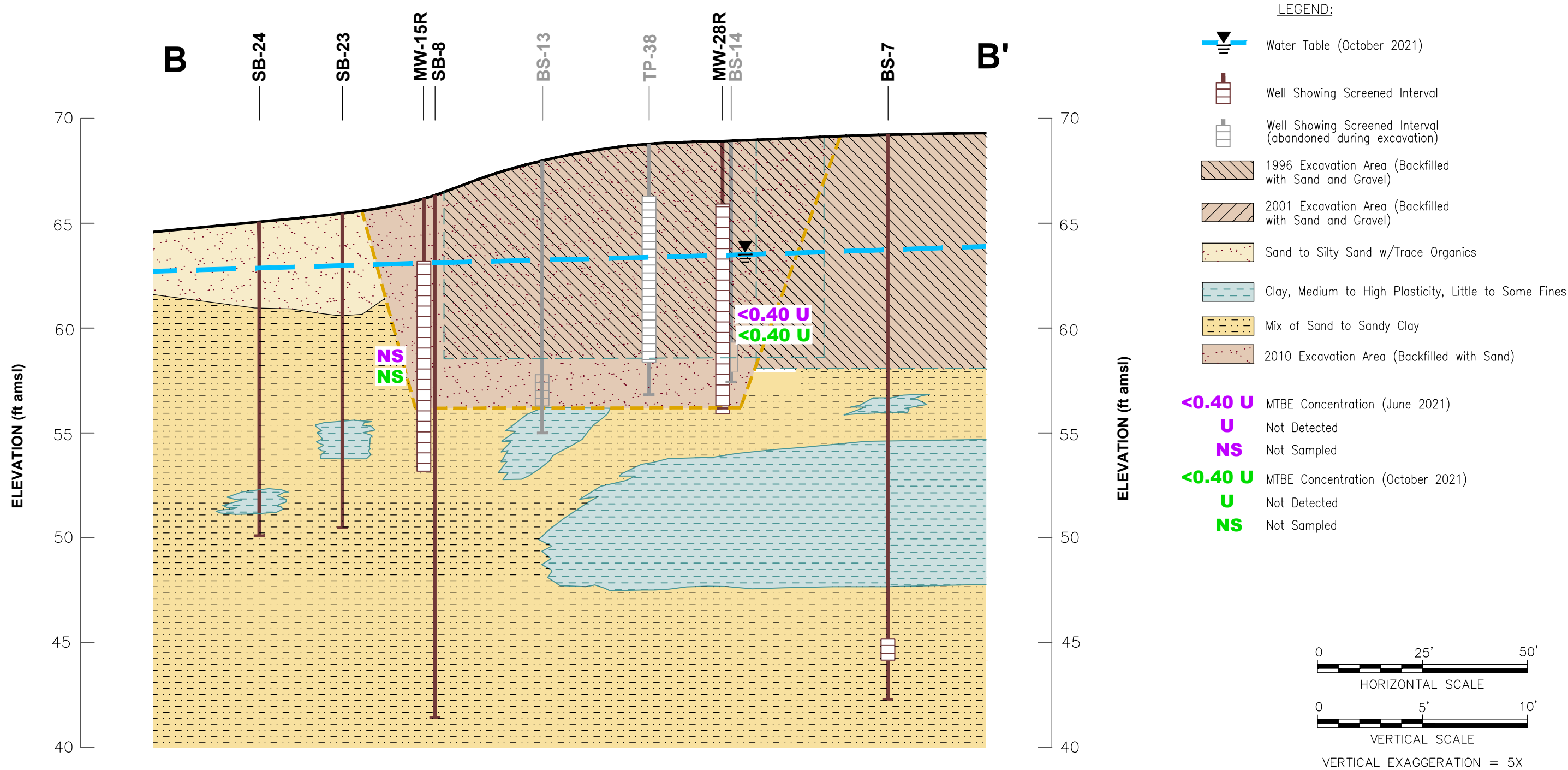
FORT STEWART MILITARY RESERVATION, GEORGIA
SWMU 26 – FORMER 724TH TANKER PURGING STATION
THIRTIETH CORRECTIVE ACTION PLAN
PROGRESS REPORT

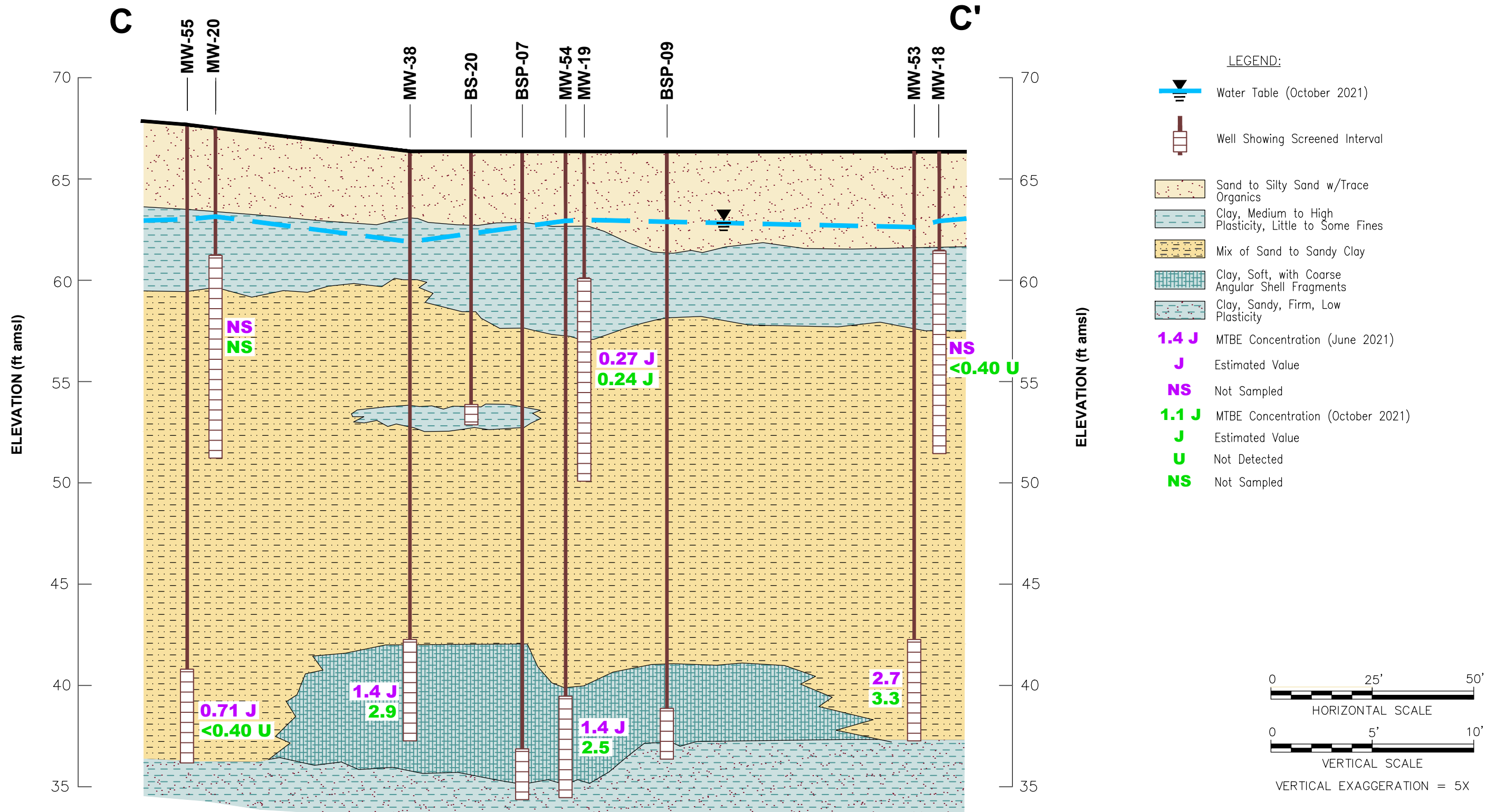
Location of Geologic Cross-Sections



FIGURE
1-3







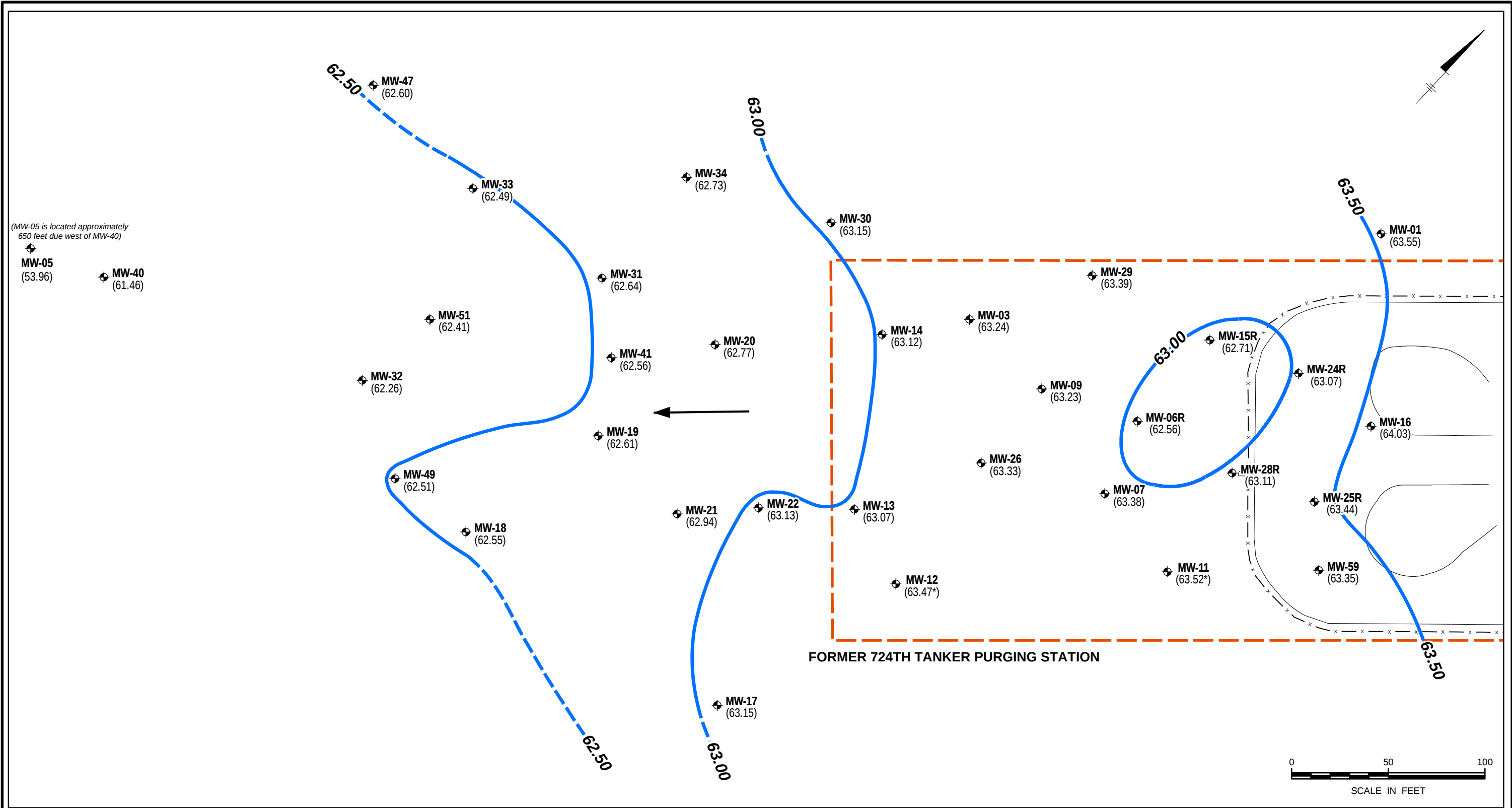
NOTES:

- Lithologic contacts were inferred.
- Water table estimated based on groundwater elevations measured in shallow monitoring wells.
- All Concentrations are reported in micrograms per liter ($\mu\text{g/L}$).
- GAEPD approved the Site-Specific Remediation Goal of 59 $\mu\text{g/L}$ for Methyl tert-butyl ether (MTBE) in February 2016.

FORT STEWART MILITARY RESERVATION, GEORGIA
SWMU 26 CORRECTIVE ACTION COMPLETION REPORT
FORMER 724TH TANKER PURGING STATION

**MTBE Concentrations along
Geologic Cross-Section C-C'**

CITY: Citrix DIV/GROUP: IM/DV LD: K. Sinsabaugh PROJECT: 30003683.26RPT.C PATH: T:\ENV\Fort_Stewart\PIKA\MapDocs\FST26\2021\Final\F3-1 S26_29TH 202106 POT S.mxd SAVED: 3/4/2022 BY: ksinsabaugh



PROJECTION: NAD83 State Plane Georgia East Feet

LEGEND

- Monitor Well (shallow)
- (62.55) Groundwater Elevation (ft amsl) Measured June 29, 2021
- * Well not used for contouring
- Former 724th Tanker Purging Station Area
- Groundwater Contour (ft amsl)
- (inferred where dashed)
- General Direction of Groundwater Flow

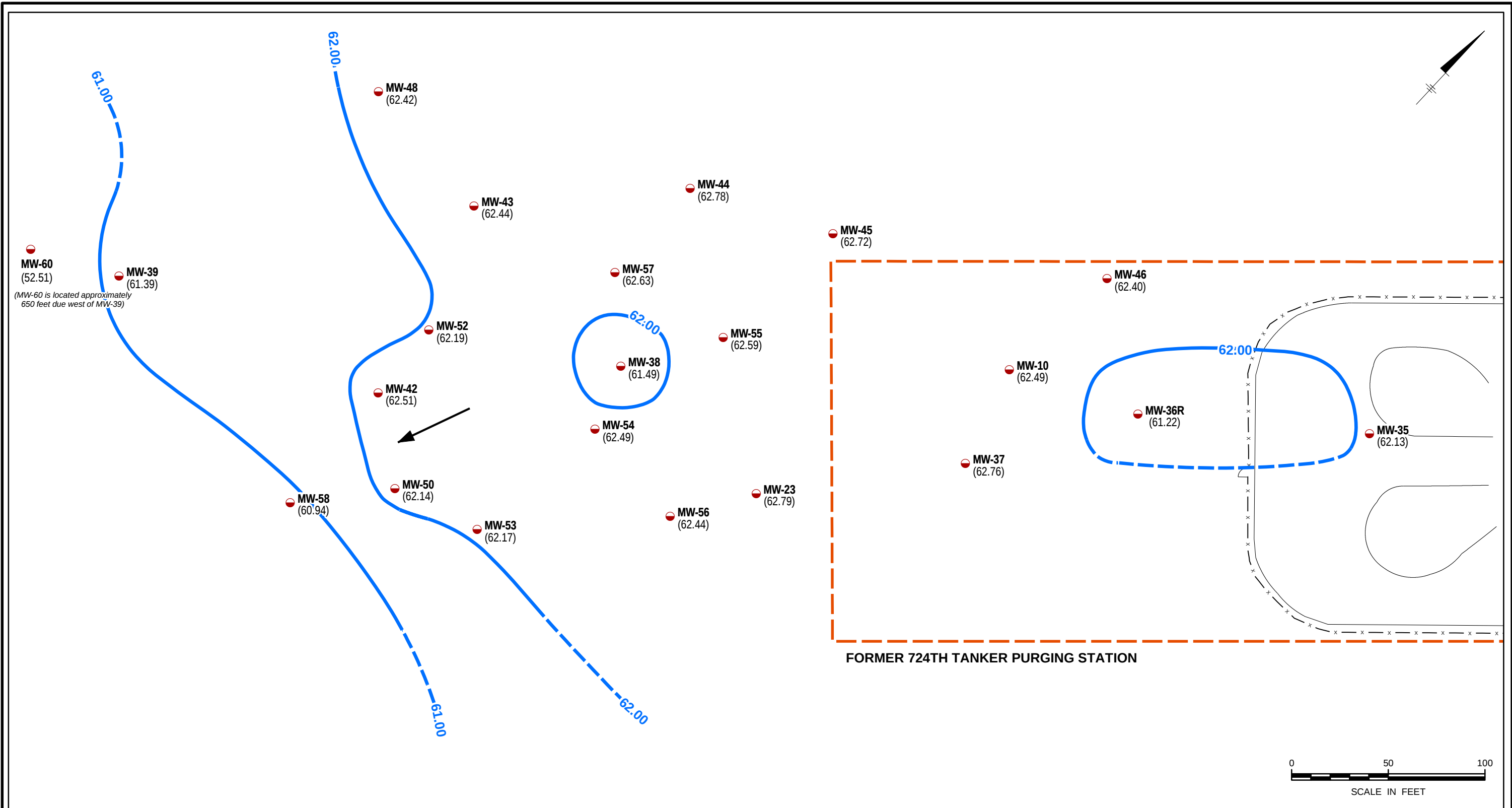
FORT STEWART MILITARY RESERVATION, GEORGIA
SWMU 26 – FORMER 724TH TANKER PURGING STATION
THIRTIETH CORRECTIVE ACTION PLAN
PROGRESS REPORT

Potentiometric Map – Shallow Zone
(June 2021)



FIGURE
3-1

CITY: Citrix DIV/GROUP: IM/DV LD: K. Sinsabaugh
PROJECT: 30003683.26RPT.C PATH: T:\ENV\Fort_Stewart\PIKA\MapDocs\FST26\2021\Final\F3-2 SZ6_30TH 202106 POT D.mxd SAVED: 3/4/2022 BY: ksinsabaugh



LEGEND

- Monitor Well (deep)
- (61.72) Groundwater Elevation (ft amsl)
Measured June 29, 2021
- Former 724th Tanker Purging Station Area
- Groundwater Contour (ft amsl)
- (inferred where dashed)
- General Direction of Groundwater Flow

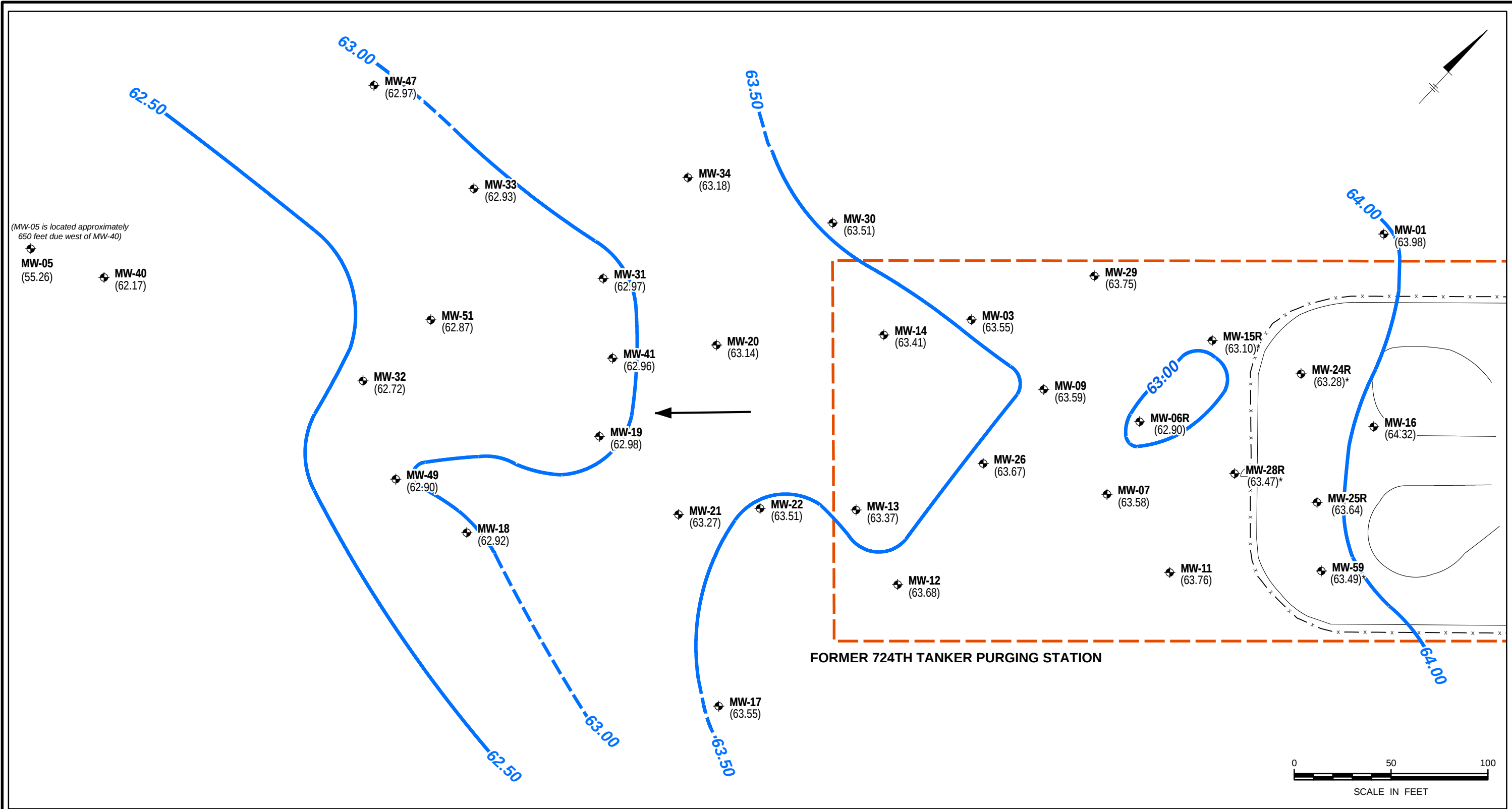
FORT STEWART MILITARY RESERVATION, GEORGIA
SWMU 26 – FORMER 724TH TANKER PURGING STATION
THIRTIETH CORRECTIVE ACTION PLAN
PROGRESS REPORT

Potentiometric Map – Deep Zone
(June 2021)



FIGURE
3-2

CITY: Citrix DIV/GROUP: IM/DV LD: K. Sinsabaugh PROJECT: 30003683.26RPT.C PATH: T:\ENV\Fort_Stewart\PIKA\MapDocs\FST26\2021\Final\F3-3 S26_29&30TH 202110 POT S.mxd SAVED: 3/4/2022 BY: ksinsabaugh



PROJECTION: NAD83 State Plane Georgia East Feet

LEGEND

- Monitor Well (shallow)
- (62.92) Groundwater Elevation (ft amsl)
Measured September 29&30, 2021
- Former 724th Tanker Purging Station Area
- Groundwater Contour (ft amsl)
- (inferred where dashed)
- General Direction of Groundwater Flow

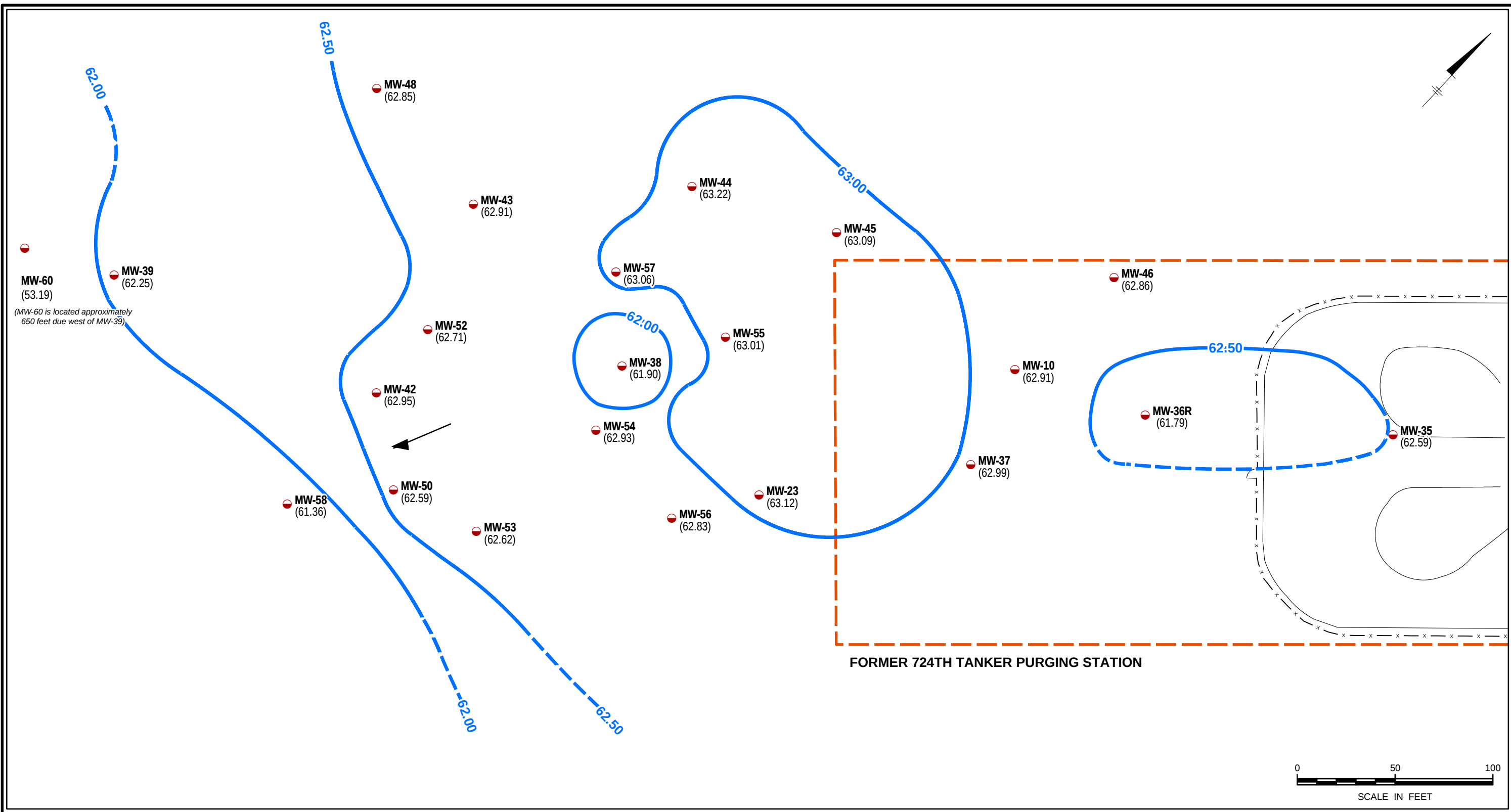
FORT STEWART MILITARY RESERVATION, GEORGIA
SWMU 26 – FORMER 724TH TANKER PURGING STATION
THIRTIETH CORRECTIVE ACTION PLAN
PROGRESS REPORT

Potentiometric Map – Shallow Zone
(September 2021)



FIGURE
3-3

CITY: Citrix DIV/GROUP: IM/DV LD: K. Sinsabaugh PROJECT: 30003683.26RPT.C PATH: T:\ENV\Fort_Stewart\PIKA\MapDocs\FST26\2021\Final\F3-4 S26_30TH 2021110 POT D.mxd SAVED: 3/4/2022 BY: ksinsabaugh



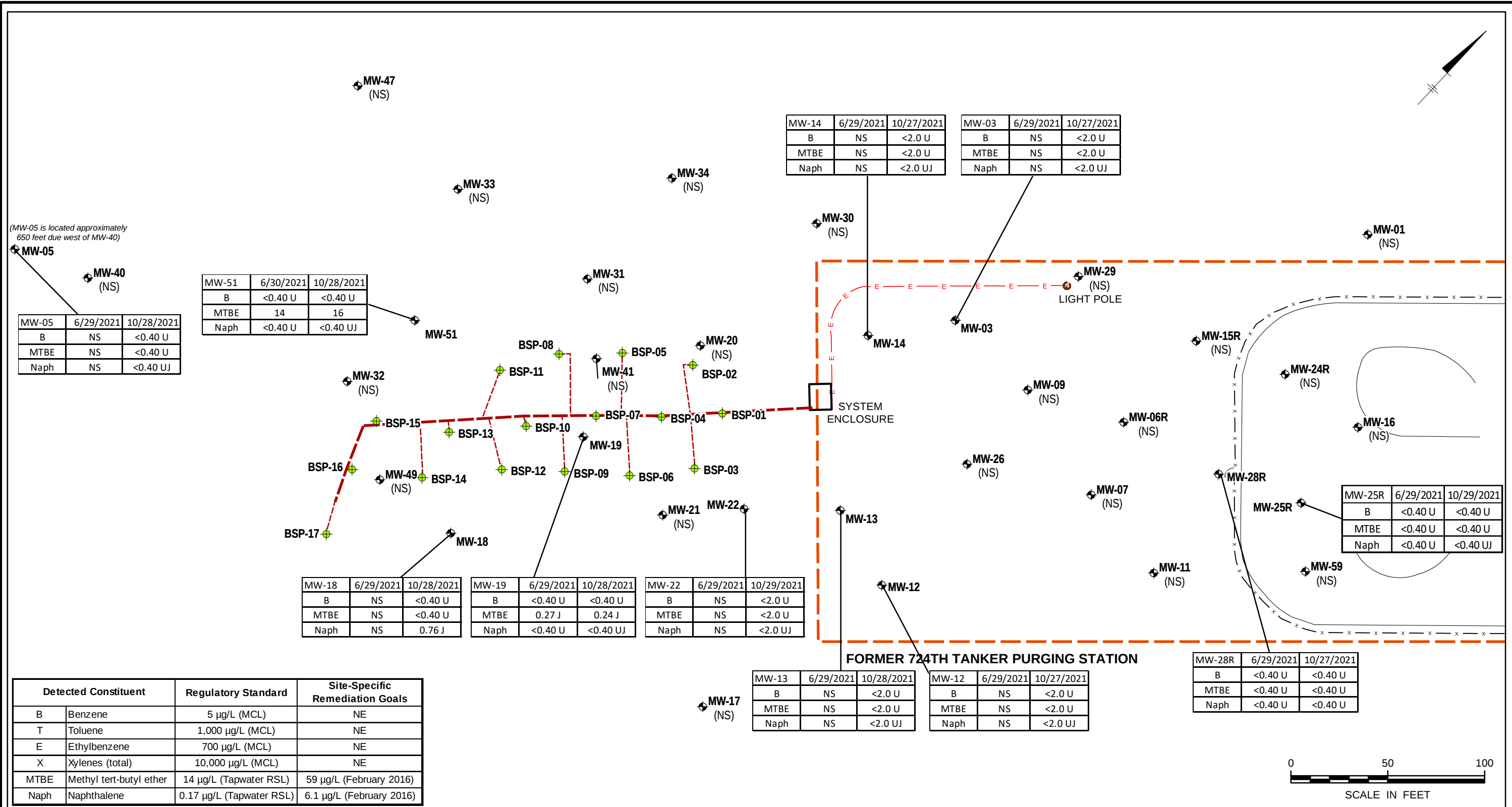
PROJECTION: NAD83 State Plane Georgia East Feet

LEGEND

- Monitor Well (deep)
- (62.62) Groundwater Elevation (ft amsl)
Measured September 29&30, 2021
- Former 724th Tanker Purging Station Area
- Groundwater Contour (ft amsl)
- (inferred where dashed)
- Downgradient
- General Direction of Groundwater Flow

FORT STEWART MILITARY RESERVATION, GEORGIA SWMU 26 – FORMER 724TH TANKER PURGING STATION THIRTIETH CORRECTIVE ACTION PLAN PROGRESS REPORT	
Potentiometric Map – Deep Zone (September 2021)	
ARCADIS	FIGURE 3-4

CITY: Citrix DIV/GROUP: I/MDV LD: K. Sinsabaugh PROJECT: 30003683.26RPT.C PATH: T:\ENV\Fort_Stewart\PIKA\MapDocs\FST26\2021\Final\F3-5 S26_29TH 2021110 MTBE S.mxd
SAVED: 3/4/2022 BY: ksinsabaugh



PROJECTION: NAD83 State Plane Georgia East Feet

- LEGEND**
- Monitor Well (shallow)
 - Biosparge Injection Well (deep)
 - Former 724th Tanker Purge Station Area
 - 2" Underground Electrical Conduit
 - 1" Biosparge System Piping
 - 3" Biosparge System Piping
 - MTBE Isoconcentration (0.27 J)

NOTES:

- All concentrations reported in micrograms per liter ($\mu\text{g/L}$).
- Wells without data were not sampled (NS).
- MTBE - Methyl tert-butyl ether
- GAEPD approved the Site-Specific Remediation Goal of $59\text{ }\mu\text{g/L}$ for Methyl tert-butyl ether (MTBE) in February 2016.

<0.40 U - Not Detected
UJ - Result is considered not detected but estimated due to QC deficiencies.
NS - Not Sampled
J - Estimated Value

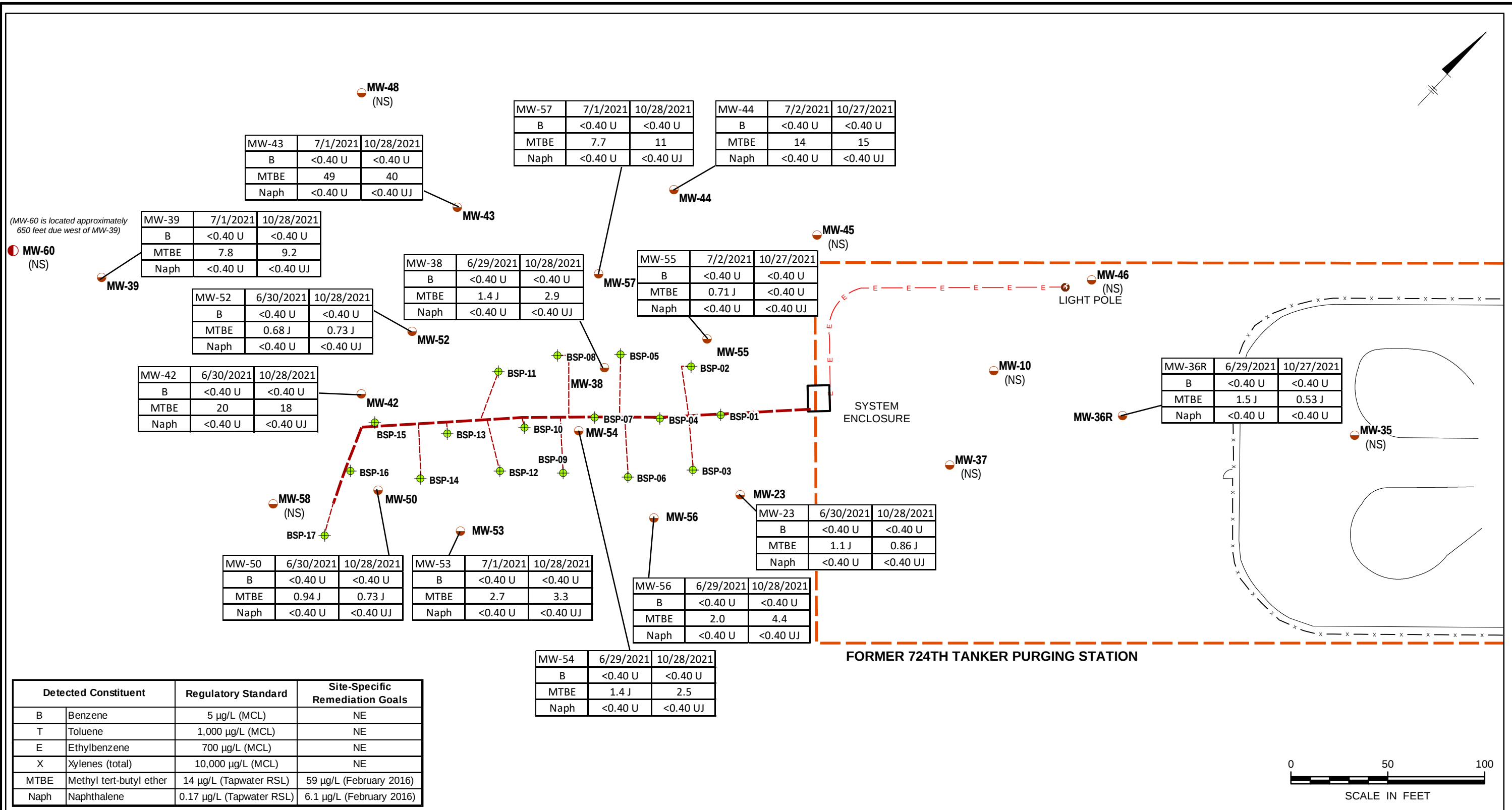
FORT STEWART MILITARY RESERVATION, GEORGIA
SWMU 26 – FORMER 724TH TANKER PURGING STATION
THIRTIETH CORRECTIVE ACTION PLAN
PROGRESS REPORT

Shallow Zone Groundwater Analytical Results
(June/July and October 2021)



FIGURE
3-5

CITY: Citrix DIV/GROUP: IM/DV LD: K. Sinsabaugh PROJECT: 30003683.26RPT.C PATH: T:\ENV\Fort_Stewart\PIKA\MapDocs\FST26\2021\Final\F3-6 SZ6_29TH 20210610 MTBE D.mxd
SAVED: 3/4/2022 BY: ksinsabaugh



Detected Constituent		Regulatory Standard	Site-Specific Remediation Goals
B	Benzene	5 µg/L (MCL)	NE
T	Toluene	1,000 µg/L (MCL)	NE
E	Ethylbenzene	700 µg/L (MCL)	NE
X	Xylenes (total)	10,000 µg/L (MCL)	NE
MTBE	Methyl tert-butyl ether	14 µg/L (Tapwater RSL)	59 µg/L (February 2016)
Naph	Naphthalene	0.17 µg/L (Tapwater RSL)	6.1 µg/L (February 2016)

PROJECTION: NAD83 State Plane Georgia East Feet

LEGEND

- Monitor Well (deep)
- Biosparge Injection Well (deep)
- Fomer 724th Tanker Purge Station Area
- 2" Underground Electrical Conduit
- 1" Biosparge System Piping
- 3" Biosparge System Piping
- (20) MTBE Isoconcentration

NOTES:

- 1) All concentrations reported in micrograms per liter (µg/L).
- 2) Wells without data were not sampled (NS).
- 3) MTBE - Methyl tert-butyl ether
- 4) GAEPD approved the Site-Specific Remediation Goal of 59 µg/L for Methyl tert-butyl ether (MTBE) in February 2016.

U - Not Detected
UM - Result is considered not detected, but the concentration is manually integrated.
NS - Not Sampled
J - Estimated Value
J+ - Detected and greater than the upper control limit (UL)
UJ - Result is considered not detected but estimated due to QC deficiencies.

APPENDIX A

SAMPLING DATA SHEETS (JUNE/JULY 2021 AND OCTOBER 2021)

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ARCADIS Water-Level Measurement Form

Project No.: 30047054
Site Location: Ft Stewart FST-26
Instrument Model: Heron Dyer

Field Personnel: K. Pupkiewicz and J. Fino
Date: 6/24/11
Instrument Serial No.: _____

Well Number	Time	W.L. Measurements			Comments		
		TD (feet)	DTW (feet)	DTP (feet)	Well Locked	Lock Condition	Other Comments
MW-01	1334	14.08	3.84	1	Y	Good	
MW-03	1238	17.20	4.62	1	Y	Good	
MW-05	1239	11.72	9.14	1	Y	Good	
MW-06R	1314	11.09	4.87	1	Y	Good	
MW-07	1321	17.76	4.05	1	Y	Good	
MW-09	1243	18.64	4.44	1	Y	Good	
MW-10	1241	44.41	5.22	1	Y	Good	
MW-11	1317	19.84	5.10	1	Y	Good	
MW-12	1235	16.05	4.13	1	Y	Good	No well cap - Corrosion FST
MW-13	1233	16.54	4.29	1	Y	Good	
MW-14	1229	16.30	4.61	1	Y	Good	
MW-15R	1311	16.13	5.49	1	Y	Good	
MW-16	1112	16.21	3.88	1	Y	Good	
MW-17	1351	17.30	4.19	1	Y	Good	
MW-18	1154	15.10	5.29	1	Y	Good	
MW-19	0947	12.35	4.96	1	Y	Good	
MW-20	1210	17.70	4.86	1	Y	Good	
MW-21	1215	17.30	4.90	1	Y	Good	
MW-22	1217	15.39	3.98	1	Y	Good	
MW-23	1013	23.64	4.86	1	Y	Good	
MW-24R	1113	13.15	3.77	1	Y	Good	
MW-25R	1109	13.19	3.77	1	Y	Good	
MW-26	1341	16.94	4.48	1	Y	Good	
MW-28R	0935	15.20	5.95	1	Y	Good	
MW-29	1325	16.32	4.43	1	Y	Good	
MW-30	1224	17.30	5.02	1	Y	Good - Rusty	
MW-31	1205	17.10	5.02	1	Y	Good	
MW-32	1142	17.58	5.31	1	Y	Good	
MW-33	1157	17.84	3.51	1	Y	Good	
MW-34	1222	17.83	5.68	1	Y	Good	

W.L. Water Level
TD Total Depth
DTW Depth To Water
DTP Depth To Product

ARCADIS Water-Level Measurement Form

Project No.: 30047054
Site Location: Ft Stewart FST-26
Instrument Model: Heron Clippert-2

Field Personnel: K. Pupkiewicz and J. Fino
Date: 6-29-21
Instrument Serial No.: 1591-T2

Well Number	Time	W.L. Measurements			Comments		
		TD (feet)	DTW (feet)	DTP (feet)	Well Locked	Lock Condition	Other Comments
MW-35	1114	27.89	5.65	—	Y	Good	
MW-36R	0938	28.16	6.34	—	Y	Good-rusty	
MW-37	1344	27.35	4.12	—	Y	Good	
MW-38	0945	30.07	4.68	—	Y	Good	
MW-39	0954	25.92	3.84	—	Y	Good	
MW-40	1139	13.65	3.25	—	Y	Good	
MW-41	1213	14.60	4.84	—	Y	Good	
MW-42	0952	24.97	4.79	—	Y	Good	
MW-43	0958	26.61	4.05	—	Y	Good-rusty	
MW-44	1004	24.82	5.18	—	Y	Good	
MW-45	1227	26.62	6.07	—	Y	Good	
MW-46	1327	27.75	5.69	—	Y	Good	
MW-47	1202	16.85	2.70	—	Y	Good	
MW-48	1201	31.50	2.78	—	Y	Good	
MW-49	1151	12.20	5.09	—	Y	Good	
MW-50	1020	—	5.58	—	Y	Good	
MW-51	0950	16.88	3.93	—	Y	Good	
MW-52	0949	33.55	4.25	—	Y	Good	
MW-53	1018	34.71	5.67	—	Y	Good	
MW-54	0946	34.45	5.50	—	Y	Good	
MW-55	0941	34.24	5.89	—	Y	Good	
MW-56	1011	37.22	5.64	—	Y	Good	
MW-57	1025	34.47	5.12	—	Y	Good	
MW-58	1147	34.10	5.26	—	Y	Good	Shut-up lid looks patch broken
MW-59	1115	13.15	3.38	—	Y	Good	
MW-60	1237	27.92	9.43	—	Y	Good	

W.L. Water Level
TD Total Depth
DTW Depth To Water
DTP Depth To Product

ARCADIS

Water-Level Measurement Form

Project No.: 30047054
 Site Location: Ft Stewart FST-26
 Instrument Model: Solinst

Field Personnel: J. Fino / L. Koropockys - Cox
 Date: 9/29/21 - 9/30/21
 Instrument Serial No.:

Well Number	Time	W.L. Measurements			Comments
		TD (feet)	DTW (feet)	DTP (feet)	
MW-01	9/29	1714	3.41	—	Y
MW-03	9/30	0851	4.31	—	Y
MW-05	9/29	1635	7.84	—	N - Need Replacement
MW-06R	9/29	1702	4.53	—	Y
MW-07	9/30	0817	3.85	—	Y
MW-09	9/29/21	1718	4.08	—	Y
MW-10	9/29	1726	4.80	—	Y
MW-11	9/29	1651	4.86	—	Y
MW-12	9/30	0910	3.92	—	Y
MW-13	9/30	0905	3.99	—	Y
MW-14	9/30	0857	4.32	—	Y
MW-15R	9/29	1709	5.10	—	Y
MW-16	9/30	1107	3.59	—	N - soon looking cap
MW-17	9/30	0958	3.79	—	Y
MW-18	9/30	1001	4.92	—	Y
MW-19	9/30	0945	4.59	—	Y
MW-20	9/30	1042	4.49	—	Y
MW-21	9/30	0948	4.57	—	Y
MW-22	9/30	0950	3.60	—	Y
MW-23	9/30	0952	4.53	—	Y
MW-24R	9/30	1104	3.56	—	Y
MW-25R	9/30	1110	3.52	—	Y - Broken well cap
MW-26	9/30	0845	4.14	—	Y
MW-28R	9/29	1654	5.59	—	Y
MW-29	9/30	0919	4.07	—	Y
MW-30	9/30	0930	4.66	—	Y
MW-31	9/30	1037	4.69	—	Y
MW-32	9/30	1013	4.85	—	Y
MW-33	9/30	1026	3.07	—	Y
MW-34	9/30	0936	5.23	—	Y

W.L. Water Level
 TD Total Depth
 DTW Depth To Water
 DTP Depth To Product

ARCADIS

Water-Level Measurement Form

Project No.: 30047054
 Site Location: Ft Stewart FST-26
 Instrument Model: Solinst

Field Personnel: J. Fox / L. Konopkys-Cox
 Date: 9/24/21 - 9/30/21
 Instrument Serial No.:

Well Number	Time	W.L. Measurements			Comments
		TD (feet)	DTW (feet)	DTP (feet)	
MW-35 9/20	1105	—	5.19	—	N - see notes cap
MW-36R 9/24	1704	—	5.79	—	Y
MW-37 9/30	0844	—	3.89	—	Y - Broken shut-up lid
MW-38 9/30	0942	—	4.27	—	Y
MW-39 9/30	1016	—	2.98	—	Y
MW-40 9/30	1017	—	3.04	—	Y
MW-41 9/30	0940	—	4.44	—	Y
MW-42 9/30	1012	—	4.35	—	Y
MW-43 9/30	1025	—	3.58	—	Y
MW-44 9/30	0935	—	4.74	—	Y
MW-45 9/30	0927	—	5.70	—	Y
MW-46 9/30	0920	—	5.23	—	Y
MW-47 9/30	1029	—	2.33	—	Y
MW-48 9/30	1028	—	2.35	—	Y
MW-49 9/30	1005	—	4.70	—	Y
MW-50 9/30	1004	—	4.97	—	Y
MW-51 9/30	1021	—	3.47	—	Y
MW-52 9/30	1020	—	3.73	—	Y
MW-53 9/30	1003	—	5.22	—	Y
MW-54 9/30	0944	—	4.86	—	Y
MW-55 9/30	1041	—	4.67	—	Y
MW-56 9/30	0947	—	5.25	—	Y
MW-57 9/30	1037	—	4.69	—	Y
MW-58 9/30	1010	—	4.84	—	Y - Broken lock latch
MW-59 9/30	1112	—	3.24	—	Y - Broken well cap
MW-60 9/24	1632	—	8.75	—	Y

W.L. Water Level
 TD Total Depth
 DTW Depth To Water
 DTP Depth To Product



GROUNDWATER SAMPLING LOG

Project No. 30047054 03- FST-26Date 6-29-21Site Location: FST-26Well ID MW-19Rep./Field Blank No. —Sample Collection Time 1510Weather: Sunny, hot, humidSampling Method Peri Pump - Low Flow

Evacuation Data:

Depth to bottom of well (ft btoc) 17.35Casing Diameter: 2Depth to water (ft btoc) 5.00Screened Interval (ft bgs) 6.3-16.3

Field Parameters:

Start: 1436Stop: 1505Flow Rate: 100 mL/min

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Spec. Cond. (µS/cm^c)	Turb (NTU)	ORP (mV)	Depth to Water (ft btoc)
1435	0.13	24.7	4.78	1.18	222.3	95.47	95.9	6.07
1440	0.26	25.3	4.94	0.97	222.7	88.91	81.9	6.45
1445	0.39	25.1	5.07	0.86	226.4	84.84	86.5	6.73
1450	0.52	24.9	5.06	0.73	228.8	78.52	58.3	6.92
1455	0.65	24.7	5.10	0.71	229.2	82.19	37.6	7.03
1500	0.78	24.7	5.06	0.73	228.1	84.32	28.7	7.11
1505	0.91	24.6	5.09	0.78	227.7	79.38	23.0	7.15

Analyses:

Analytical Parameter	Sample Bottles	Preservative
Select 8260B List: BTEX, MTBE, Naphthalene	3 VOAs	HCl

Remarks _____

Sampling Personnel K Pupkiewicz / J Fino



GROUNDWATER SAMPLING LOG

Project No. 30047054 03- FST-26Date 12-30-21Site Location: FST-26Well ID MW-23Rep./Field Blank No. —Sample Collection Time 940Weather: Sunny w/ clouds, humidSampling Method Peri Pump - Low Flow

Evacuation Data:

Depth to bottom of well (ft btoc) 23.64Casing Diameter: 2Depth to water (ft btoc) 4.94Screened Interval (ft bgs) 13-23

Field Parameters:

Start: 0905 Stop: 0935 Flow Rate: 100 mL/min

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Spec. Cond. (µS/cm^c)	Turb (NTU)	ORP (mV)	Depth to Water (ft btoc)
910	0.13	22.3	4.66	0.45	386.2	22.49	168.4	5.89
915	0.26	22.3	4.67	0.34	381.2	41.21	182.6	6.60
920	0.39	22.5	4.80	0.30	381.9	20.30	181.4	7.04
925	0.52	22.7	4.81	0.28	379.7	18.55	185.1	7.62
930	0.65	22.4	4.90	0.26	380.3	18.44	182.6	7.92
935	0.78	22.6	4.92	0.26	380.9	18.35	174.5	8.21

Analyses:

Analytical Parameter	Sample Bottles	Preservative
Select 8260B List: BTEX, MTBE, Naphthalene	3 VOAs	HCl

Remarks _____

Sampling Personnel K Pupkiewicz / J Fino



GROUNDWATER SAMPLING LOG

Project No. 30047054 03- FST-26

Date 10-29-21

Site Location: FST-26

Well ID MW-25R

Rep./Field Blank No. —

Sample Collection Time 1225

Weather: Sunny hot humid

Sampling Method Peri Pump - Low Flow

Evacuation Data:

Depth to bottom of well (ft btoc) 13.19

Casing Diameter: 2

Depth to water (ft btoc) 3.70

Screened Interval (ft bgs) 3-13

Field Parameters:

Start: 1140

Stop: 1220

Flow Rate: 100 mL/min

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Spec. Cond. (µS/cm^c)	Turb (NTU)	ORP (mV)	Depth to Water (ft btoc)
1145	0.13	30.2	5.39	0.47	200.1	161.7	156.9	3.94
1150	0.26	30.3	5.42	0.33	182.8	80.11	143.7	4.00
1155	0.39	30.7	5.39	0.32	182.0	110.6	136.7	4.00
1200	0.52	31.1	5.40	0.29	182.4	125.8	129.2	4.00
1205	0.65	31.3	5.39	0.27	183.2	154.2	113.3	4.02
1210	0.78	30.9	5.39	0.24	185.2	100.9	96.5	4.05
1215	0.91	30.8	5.37	0.26	185.7	95.47	86.8	4.02
1220	1.04	30.9	5.34	0.24	186.6	95.13	79.2	4.02

Analyses:

Analytical Parameter	Sample Bottles	Preservative
Select 8260B List: BTEX, MTBE, Naphthalene	3 VOAs	HCl

Remarks _____

Sampling Personnel K Pupkiewicz / J Fino



GROUNDWATER SAMPLING LOG

Project No. 30047054 03- FST-26Date 6/29/21Site Location: FST-26Well ID MW-28RRep./Field Blank No. MS/MSDSample Collection Time 1544Weather: 95°F SunnySampling Method Peri Pump - Low Flow

Evacuation Data:

Depth to bottom of well (ft btoc) 15.20Casing Diameter: 2"Depth to water (ft btoc) 5.90Screened Interval (ft bgs) 3-13

Field Parameters:

Start: 1503

Stop:

Flow Rate: 100 mL/min

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Spec. Cond. (µS/cm^c)	Turb (NTU)	ORP (mV)	Depth to Water (ft btoc)
1508	0.1	26.2	6.36	0.23	858	2.52	47.7	6.06
1513	0.2	25.8	6.48	0.20	836	1.73	51.2	6.10
1518	0.3	26.0	6.57	0.25	796	5.07	63.2	6.14
1523	0.4	25.9	6.63	0.20	761	3.92	74.2	6.16
1528	0.5	26.5	6.68	0.27	706	3.43	81.5	6.19
1533	0.6	26.1	6.82	0.29	665	3.14	78.5	6.19
1538	0.7	25.9	6.78	0.37	651	3.17	82.5	6.20
1543	0.8	26.9	6.84	0.42	647	3.09	84.7	6.21
JMF 6/29/21								

Analyses:

Analytical Parameter	Sample Bottles	Preservative
Select 8260B List: BTEX, MTBE, Naphthalene	3 VOAs	HCl

Remarks _____

Sampling Personnel K Pupkiewicz / J Fino

GROUNDWATER SAMPLING LOG

Project No. 30047054 03- FST-26

Date 6/29/21

Site Location: FST-26

Well ID MW-3GR

Rep./Field Blank No. _____

Sample Collection Time 1636

Weather: 95°F Sunny

Sampling Method Peri Pump - Low Flow

Evacuation Data:

Depth to bottom of well (ft btoc) 28.16

Casing Diameter: 2"

Depth to water (ft btoc) 6.24

Screened Interval (ft bgs) 20-25

Field Parameters:

Start: 16/0

Stop:

Flow Rate: 100 mL/min

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Spec. Cond. (μS/cm^c)	Turb (NTU)	ORP (mV)	Depth to Water (ft btoc)
1615	0.1	23.6	6.63	0.21	1610	14.71	-102.9	6.29
1620	0.2	23.3	6.67	0.14	1608	7.44	-106.2	6.30
1625	0.3	23.2	6.71	0.13	1605	4.20	-104.9	6.30
1630	0.4	23.1	6.75	0.12	1604	4.49	-108.8	6.30
1635	0.5	23.1	6.74	0.10	1601	6.37	-107.4	6.30
JUNE 6/29/21								

Analyses:

Analytical Parameter	Sample Bottles	Preservative
Select 8260B List: BTEX, MTBE, Naphthalene	3 VOAs	HCl

Remarks _____

Sampling Personnel K Pupkiewicz / J Fino



Well ID MW-38 Date 10-29-21

Sample Collection Time 1655

Sampling Method	Peri Pump - Low Flow
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Casing Diameter: 2

Screened Interval (ft bgs) 24-29

Start: 1625 Stop: 1650 Flow Rate: 100 mL/min

Analyses:

Remarks _____

Sampling Personnel K Pupkiewicz / J Fino

GROUNDWATER SAMPLING LOG

Project No. 30047054 03- FST-26

Date 7/1/24

Site Location: FST-26

Well ID MW-39

Rep./Field Blank No.

Sample Collection Time 1226

Weather: 90°F Partly Cloudy, Humid

Sampling Method Peri Pump - Low Flow

Evacuation Data:

Depth to bottom of well (ft btoc) 25.92

Casing Diameter: 2"

Depth to water (ft bloc) 3.59

Screened Interval (ft bgs) 20-25

Field Parameters:

Start: 1200

Stop:

Flow Rate: 100 mL/min

[illegible]

Analyses:

Analytical Parameter	Sample Bottles	Preservative
Select 8260B List: BTEX, MTBE, Naphthalene	3 VOAs	HCl

Remarks	Replaced tubing
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Sampling Personnel K Pupkiewicz / J Fino



GROUNDWATER SAMPLING LOG

Project No. 30047054 03- FST-26Site Location: FST-26Rep./Field Blank No. —Weather: humid, muggy

Evacuation Data:

Depth to bottom of well (ft btoc) 24.97Depth to water (ft btoc) 4.80Date 10-30-21Well ID MW-42Sample Collection Time 1455Sampling Method Peri Pump - Low FlowCasing Diameter: 2Screened Interval (ft bgs) 17-22

Field Parameters:

Start: 1425 Stop:Flow Rate: 100 mL/min

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Spec. Cond. (µS/cm^c)	Turb (NTU)	ORP (mV)	Depth to Water (ft btoc)
1430	0.13	22.1	6.64	0.37	188.8	0.00	111.5	5.15
1435	0.26	22.1	6.43	0.32	180.1	0.00	122.9	5.20
1440	0.39	22.5	6.42	0.27	167.0	0.00	123.4	5.22
1445	0.52	22.5	6.40	0.29	166.4	0.00	125.0	5.22
1450	0.65	22.6	6.41	0.30	166.0	0.00	123.3	5.22

Analyses:

Analytical Parameter	Sample Bottles	Preservative
Select 8260B List: BTEX, MTBE, Naphthalene	3 VOAs	HCl

Remarks _____

Sampling Personnel K Pupkiewicz / J Fino



GROUNDWATER SAMPLING LOG

Project No. 30047054 03- FST-26Date 7/1/21Site Location: FST-26Well ID MW-43Rep./Field Blank No. —Sample Collection Time 1424Weather: 90°F Partly CloudySampling Method Peri Pump - Low Flow

Evacuation Data:

Depth to bottom of well (ft btoc) 26.64Casing Diameter: 2"Depth to water (ft btoc) 3.95Screened Interval (ft bgs) 17.7 - 22.7

Field Parameters:

Start: 1353 Stop:Flow Rate: 100 mL/min

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Spec. Cond. (µS/cm^c)	Turb (NTU)	ORP (mV)	Depth to Water (ft btoc)
1358	0.1	23.7	5.76	0.93	321.4	7.24	232.2	4.10
1403	0.2	23.5	5.21	0.73	311.5	6.82	246.9	4.13
1408	0.3	23.4	4.96	0.52	330.0	7.44	249.4	4.12
1413	0.4	23.9	4.89	0.43	351.0	3.38	257.1	4.12
1418	0.5	23.6	4.87	0.37	373.9	4.12	251.4	4.12
1423	0.6	23.7	4.81	0.35	380.1	1.91	249.1	4.12
JWF 7/1/21								

Analyses:

Analytical Parameter	Sample Bottles	Preservative
Select 8260B List: BTEX, MTBE, Naphthalene	3 VOAs	HCl

Remarks _____

Sampling Personnel K Pupkiewicz J Finb



Date 7/3/20
Well ID MW-44

Sample Collection Time 1031

Sampling Method Peri Pump - Low Flow

Sampling Method Peri Pump - Low Flow

Casing Diameter: 2"

Screened Interval (ft bgs) 16.7-21.7

Screened Interval (ft bgs) 16.7 - 21.7

Flow Rate: 100 mL/min

Analyses:

Remarks

Sampling Personnel K Pupkiewicz / J Fino



GROUNDWATER SAMPLING LOG

Project No. 30047054 03- FST-26Date 6-30-21Site Location: FST-26Well ID MW-50Rep./Field Blank No. —Sample Collection Time 1615Weather: Overcast humidSampling Method Peri Pump - Low Flow

Evacuation Data:

Depth to bottom of well (ft btoc) —Casing Diameter: 2Depth to water (ft btoc) 5.34Screened Interval (ft bgs) 29.6-31.4

Field Parameters:

Start: 1550 Stop: 1610 Flow Rate: 100 mL/min

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Spec. Cond. (µS/cm^c)	Turb (NTU)	ORP (mV)	Depth to Water (ft btoc)
1555		22.5	6.71	0.29	2020	0.00	-72.8	5.43
1600		22.4	6.67	0.40	2008	0.00	-73.7	5.42
1605		22.4	6.69	0.42	2003	0.00	-74.2	5.42
1610		22.4	6.69	0.36	2001	0.00	-76.1	5.42

Analyses:

Analytical Parameter	Sample Bottles	Preservative
Select 8260B List: BTEX, MTBE, Naphthalene	3 VOAs	HCl

Remarks —Sampling Personnel K Pupkiewicz / J Fino



Date 6-30-21

Well ID MW-S1

Sample Collection Time 1300

Sampling Method Peri Pump - Low Flow

Casing Diameter: 2

Screened Interval (ft bgs) 3.9-13.5

Depth to water (ft btoc) 4.11

Start: 1115 Stop: 1255 Flow Rate: 100 mL/min

Analyses:

Remarks

Sampling Personnel (K Pupkiewicz) / J Fino



GROUNDWATER SAMPLING LOG

Project No. 30047054 03- FST-26Date 6-30-21Site Location: FST-26Well ID MW-52Rep./Field Blank No. —Sample Collection Time 1340Weather: RainySampling Method Peri Pump - Low Flow

Evacuation Data:

Depth to bottom of well (ft btoc) 33.59Casing Diameter: 2Depth to water (ft btoc) 4.26Screened Interval (ft bgs) 29.9-30.4

Field Parameters:

Start: 1310 Stop: 1335 Flow Rate: 100 mL/min

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Spec. Cond. (µS/cm^c)	Turb (NTU)	ORP (mV)	Depth to Water (ft btoc)
1315	0.13	21.4	6.68	0.40	1505	0.00	-37.8	4.30
1320	0.26	21.4	6.67	0.27	1506	0.00	-39.3	4.33
1325	0.39	21.4	6.68	0.22	1506	0.00	-41.6	4.33
1330	0.52	21.5	6.70	0.21	1505	0.00	-42.7	4.33
1335	0.65	21.5	6.71	0.20	1503	0.00	-43.5	4.33

Analyses:

Analytical Parameter	Sample Bottles	Preservative
Select 8260B List: BTEX, MTBE, Naphthalene	3 VOAs	HCl

Remarks _____

Sampling Personnel K Pupkiewicz / J Fino

GROUNDWATER SAMPLING LOG

Project No. 30047054 03- FST-26Date 7/1/24

Site Location: FST-26

Well ID MW-53

Rep./Field Blank No.

Sample Collection Time 1326

Weather: 90°F July

Sampling Method Peri Pump - Low Flow

Evacuation Data:

Depth to bottom of well (ft bloc) 34.31

Casing Diameter: 2"

Depth to water (ft bloc) 5.61

Screened Interval (ft bgs) 26-31

Field Parameters:

Start: 1305 Stop:

Flow Rate: *100* mL/min

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Spec. Cond. (μS/cm^c)	Turb (NTU)	ORP (mV)	Depth to Water (ft btoc)
1310	0.1	22.0	10.71	2.37	825	10.27	59.6	5.69
1315	0.2	22.0	10.75	2.05	828	8.52	61.9	5.70
1320	0.3	21.8	10.79	2.31	822	7.05	64.9	5.70
1325	0.4	21.8	10.82	2.10	822	6.14	67.0	5.70
JMF 7/1/21								

Analyses:

Analytical Parameter	Sample Bottles	Preservative
Select 8260B List: BTEX, MTBE, Naphthalene	3 VOAs	HCl

Remarks _____

Sampling Personnel K Pupkiewicz / J Pino



GROUNDWATER SAMPLING LOG

Project No. 30047054 03- FST-26Date 6-29-21Site Location: FST-26Well ID MW-54Rep./Field Blank No. —Sample Collection Time 1600Weather: Sunny, hot, humidSampling Method Peri Pump - Low Flow

Evacuation Data:

Depth to bottom of well (ft btoc) 34.45Casing Diameter: 2Depth to water (ft btoc) 5.22Screened Interval (ft bgs) 26.9-31.4

Field Parameters:

Start: 1520 Stop: 1555 Flow Rate: 100 mL/min

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Spec. Cond. (µS/cm·°C)	Turb (NTU)	ORP (mV)	Depth to Water (ft btoc)
1525	0.13	22.4	6.80	0.60	810	36.31	35.3	5.39
1530	0.26	22.3	6.66	0.45	809	14.99	41.6	5.43
1535	0.39	22.3	6.71	0.43	807	60.17	38.5	5.43
1540	0.52	22.3	6.77	0.34	807	20.53	34.0	5.46
1545	0.65	22.3	6.79	0.34	808	17.84	31.4	5.46
1550	0.78	22.4	6.81	0.31	806	15.75	28.0	5.46
1555	0.91	22.2	6.82	0.29	803	5.25	16.7	5.47

Analyses:

Analytical Parameter	Sample Bottles	Preservative
Select 8260B List: BTEX, MTBE, Naphthalene	3 VOAs	HCl

Remarks _____

Sampling Personnel K Pupkiewicz J Fino



GROUNDWATER SAMPLING LOG

Project No. 30047054 03- FST-26Date 7/2/21Site Location: FST-26Well ID MW-55Rep./Field Blank No. all Dup-01Sample Collection Time 0951Weather: 80F cloudySampling Method Peri Pump - Low Flow

Evacuation Data:

Depth to bottom of well (ft btoc) 34.24Casing Diameter: 2"Depth to water (ft btoc) 4.83Screened Interval (ft bgs) 26-31

Field Parameters:

Start: 0920

Stop:

Flow Rate: 100 mL/min

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Spec. Cond. (µS/cm^c)	Turb (NTU)	ORP (mV)	Depth to Water (ft btoc)
0925	0.1	21.5	7.00	2.28	2004	18.66	139.0	5.01
0930	0.2	21.5	6.82	0.99	2019	20.29	30.4	5.03
0935	0.3	21.5	6.80	0.96	2032	20.13	-2.2	5.05
0940	0.4	21.4	6.80	0.87	2032	11.57	-4.0	5.05
0945	0.5	21.4	6.80	0.84	2033	11.87	-4.3	5.05
0950	0.6	21.3	6.81	0.92	2033	11.02	-4.9	5.05
over 7/2/21								

Analyses:

Analytical Parameter	Sample Bottles	Preservative
Select 8260B List: BTEX, MTBE, Naphthalene	3 VOAs	HCl

Remarks

Sampling Personnel K Pupkiewicz / J Fino



GROUNDWATER SAMPLING LOG

Project No. 30047054 03- FST-26Date 6-30-21Site Location: FST-26Well ID MW-56Rep./Field Blank No. —Sample Collection Time 1040Weather: Sunny humidSampling Method Peri Pump - Low Flow

Evacuation Data:

Depth to bottom of well (ft btoc) 33.22Casing Diameter: 2Depth to water (ft btoc) 5.44Screened Interval (ft bgs) 21.9-31.4

Field Parameters:

Start: 1005 Stop: — Flow Rate: 100 mL/min

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Spec. Cond. (µS/cm^c)	Turb (NTU)	ORP (mV)	Depth to Water (ft btoc)
1010	0.13	22.7	6.66	0.44	2152	236.7	23.4	5.60
1015	0.26	22.5	6.61	0.40	2152	155.9	26.9	5.77
1020	0.39	22.5	6.59	0.54	2146	106.0	25.8	5.84
1025	0.52	22.5	6.61	0.38	2147	95.41	22.5	5.84
1030	0.65	22.7	6.62	0.35	2143	104.8	19.2	5.84
1035	0.78	23.2	6.63	0.35	2138	103.6	15.2	5.84

Analyses:

Analytical Parameter	Sample Bottles	Preservative
Select 8260B List: BTEX, MTBE, Naphthalene	3 VOAs	HCl

Remarks High turbidity at start. Cleaned out flow through cellSampling Personnel K Pupkiewicz / J Fino

GROUNDWATER SAMPLING LOG

Project No. 30047054 03- FST-26

Date 7/1/21

Site Location: FST-26

Well ID MW-57

Rep./Field Blank No.

Sample Collection Time 1631

Weather: Asf Clady

Sampling Method Peri Pump - Low Flow

Evacuation Data:

Depth to bottom of well (ft bloc) 34.47

Casing Diameter: 2"

Depth to water (ft btoc) 4.99

Screened Interval (ft bgs) 26-31

Field Parameters:

Start: 1605 Stop:

Flow Rate: 100 mL/min

Time		Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Spec. Cond. (μS/cm^c)	Turb (NTU)	ORP (mV)	Depth to Water (ft btoc)
1610		0.1	23.4	6.69	2.30	1063	8.20	180.8	5.21
1615		0.2	23.3	6.76	2.14	1064	6.98	175.4	5.24
1620		0.3	23.0	6.81	2.17	1065	5.97	171.5	5.25
1625		0.4	23.0	6.85	1.96	1066	4.68	168.9	5.26
1630		0.5	23.1	6.88	1.89	1068	4.82	165.7	5.26
JWF 7/1/21									

Analyses:

Analytical Parameter	Sample Bottles	Preservative
Select 8260B List: BTEX, MTBE, Naphthalene	3 VOAs	HCl

Remarks _____

Sampling Personnel K Pupkiewicz / Fino

Groundwater Sampling - Low-Flow



Well ID: MW-03 Date: 10/27/2021 Event: Semi-Annual Event

Client: USACE Facility/Area: FST-26/Site Field Technician: Nathan.Welch@arcadis_us.com

Weather Conditions: Clouds Temp (°F): 70 Wind: 2 mph

Well head PID Reading: Measuring Point Description: Top of Inner Casing Other:

Casing Material: PVC Diameter: 2.00 in Surface Finish: Stick up Purge Method: Low-Flow

Static Water Level (ft-bmp): 4.73 Depth to Product (ft-bmp): Total Depth (ft-bmp): 14.00

Water Column (ft): 9.27 Gallons in Well: 1.51 Type of Equipment: Peristaltic Other:

Purge Start Time: 15:15 Total Volume Purged: 18000 Water Quality Meter: YSI ProPlus

Purge End Time: 16:00 Purge Water Disposal: 55 gallon drum Replicate Type: Not Applicable

Sample Method: Pump Sample Time: 15:55 Replicate Number:

Time	Minutes Elapsed	Rate mL/min	Depth to Water (ft)	mL Purged	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	ORP (mV)	Appearance	
15:20	0	100.00	5.20	500.00	5.18	0.15	20.66	0.87	21.10	126.10	Yellow	Mild
15:25	5	100.00	5.36	1,000.00	5.32	0.16	19.62	0.92	21.10	105.50	Yellow	Mild
15:30	10	100.00	5.45	1,500.00	5.45	0.16	16.55	0.73	21.10	76.50	Yellow	Mild
15:35	15	100.00	5.49	2,000.00	5.48	0.63	13.45	0.63	21.10	56.50	Yellow	Mild
15:40	20	100.00	5.48	2,500.00	5.47	0.16	11.80	0.51	21.10	43.60	Yellow	Mild
15:45	25	100.00	5.48	3,000.00	5.47	0.16	9.50	0.39	21.10	27.50	Yellow	Mild
15:50	30	100.00	5.49	3,500.00	5.48	0.17	8.06	0.36	21.10	17.80	Yellow	Mild
15:55	35	100.00	5.49	4,000.00	5.47	0.17	8.61	0.32	21.00	12.50	Yellow	Mild

Constituents Sampled	Container	Number	Preservative
BTEX, MTBE, and Naphthalene (Method 8260)	40 mL Glass Vial	3	HCL

Well Information MW-03

Well Locked At Arrival: Yes Arrival Action Taken: Lock Functioning: Yes Lock Function Action Taken:

Well Locked at Departure: Yes Departure Action Taken: Well Labeled Properly: Yes Label Action Taken:

Comments:

Groundwater Sampling - Low-Flow



Well ID: MW-05 Date: 10/28/2021 Event: Semi-Annual Event

Client: USACE Facility/Area: FST-26/Site Field Technician: Jared.Fino@arcadis_us.com

Weather Conditions: Rain Temp (°F): 64 Wind: 8 mph

Well head PID Reading: _____ Measuring Point Description: Top of Inner Casing Other: _____

Casing Material: PVC Diameter: 2.00 in Surface Finish: Stick up Purge Method: Low-Flow

Static Water Level (ft-bmp): 9.17 Depth to Product (ft-bmp): _____ Total Depth (ft-bmp): 15.00

Water Column (ft): 5.83 Gallons in Well: 0.95 Type of Equipment: Peristaltic Other: _____

Purge Start Time: 12:25 Total Volume Purged: 22500 Water Quality Meter: YSI ProPlus

Purge End Time: 13:11 Purge Water Disposal: Drum Replicate Type: Not Applicable

Sample Method: Pump Sample Time: 13:11 Replicate Number: _____

Time	Minutes Elapsed	Rate mL/min	Depth to Water (ft)	mL Purged	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	ORP (mV)	Appearance	
12:30	0	100.00	9.19	500.00	4.90	231.70	82.69	1.53	20.90	130.80	Clear	None
12:35	5	100.00	9.20	1,000.00	4.94	253.50	61.21	1.03	21.20	125.10	Clear	None
12:40	10	100.00	9.20	1,500.00	5.08	284.40	46.27	0.79	21.10	120.70	Clear	None
12:45	15	100.00	9.20	2,000.00	5.17	293.10	42.85	0.69	21.20	118.20	Clear	None
12:50	20	100.00	9.20	2,500.00	5.22	297.30	40.77	0.62	21.20	116.20	Clear	None
12:55	25	100.00	9.20	3,000.00	5.27	301.50	37.70	0.60	21.30	114.60	Clear	None
13:00	30	100.00	9.21	3,500.00	5.29	304.70	36.37	0.58	21.30	113.10	Clear	None
13:05	35	100.00	9.21	4,000.00	5.32	307.90	34.70	0.60	21.30	111.80	Clear	None
13:10	40	100.00	9.21	4,500.00	5.34	313.70	32.88	0.60	21.20	110.70	Clear	None

Constituents Sampled	Container	Number	Preservative
BTEX, MTBE, and Naphthalene (Method 8260)	40 mL Glass Vial	3	HCL

Well Information MW-05

Well Locked At Arrival: No Arrival Action Taken: Lock not functioning. Replaced with new Lock Functioning: Yes Lock Function Action Taken: _____

Well Locked at Departure: Yes Departure Action Taken: _____ Well Labeled Properly: Yes Label Action Taken: _____

Comments: _____

Groundwater Sampling - Low-Flow



Well ID: MW-12 Date: 10/27/2021 Event: Semi-Annual Event

Client: USACE Facility/Area: FST-26/Site Field Technician: Nathan.Welch@arcadis_us.com

Weather Conditions: Clear Temp (°F): 71 Wind: 0 mph

Well head PID Reading: _____ Measuring Point Description: Top of Inner Casing Other: _____

Casing Material: PVC Diameter: 2.00 in Surface Finish: Stick up Purge Method: Low-Flow

Static Water Level (ft-bmp): 4.44 Depth to Product (ft-bmp): _____ Total Depth (ft-bmp): 12.64

Water Column (ft): 8.20 Gallons in Well: 1.34 Type of Equipment: Peristaltic Other: _____

Purge Start Time: 16:25 Total Volume Purged: 14000 Water Quality Meter: YSI ProPlus

Purge End Time: 17:05 Purge Water Disposal: 55 gallon drum Replicate Type: Not Applicable

Sample Method: Pump Sample Time: 17:00 Replicate Number: _____

Time	Minutes Elapsed	Rate mL/min	Depth to Water (ft)	mL Purged	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	ORP (mV)	Appearance	
16:00	0	100.00	5.83	3,500.00	3.81	0.06	13.93	0.64	20.40	178.10	Yellow	None
16:30	30	100.00	5.11	500.00	4.01	0.06	0.00	1.26	20.50	152.10	Yellow	None
16:35	35	100.00	5.41	1,000.00	3.85	0.06	2.42	0.67	20.30	169.10	Yellow	None
16:40	40	100.00	5.65	1,500.00	3.79	0.06	3.72	0.71	20.40	176.80	Yellow	None
16:45	45	100.00	5.71	2,000.00	3.81	0.06	3.34	0.59	20.30	180.90	Yellow	None
16:50	50	100.00	5.76	2,500.00	3.78	0.06	12.87	0.55	20.30	180.90	Yellow	None
16:55	55	100.00	5.79	3,000.00	3.81	0.06	11.87	0.74	20.40	180.10	Yellow	None

Constituents Sampled	Container	Number	Preservative
BTEX, MTBE, and Naphthalene (Method 8260)	40 mL Glass Vial	3	HCL

Well Information MW-12

Well Locked At Arrival: Yes Arrival Action Taken: _____ Lock Functioning: Yes Lock Function Action Taken: _____

Well Locked at Departure: Yes Departure Action Taken: _____ Well Labeled Properly: Yes Label Action Taken: _____

Comments: _____

Comments:

Comments:

Groundwater Sampling - Low-Flow



Well ID: MW-18 Date: 10/28/2021 Event: Semi-Annual Event

Client: USACE Facility/Area: FST-26/Site Field Technician: Nathan.Welch@arcadis_us.com

Weather Conditions: Rain,Clouds Temp (°F): 71 Wind: 6 mph

Well head PID Reading: _____ Measuring Point Description: Top of Inner Casing Other: _____

Casing Material: PVC Diameter: 2.00 in Surface Finish: Stick up Purge Method: Low-Flow

Static Water Level (ft-bmp): 5.27 Depth to Product (ft-bmp): _____ Total Depth (ft-bmp): 14.90

Water Column (ft): 9.63 Gallons in Well: 1.57 Type of Equipment: Peristaltic Other: _____

Purge Start Time: 16:13 Total Volume Purged: 14000 Water Quality Meter: YSI ProPlus

Purge End Time: 16:54 Purge Water Disposal: 55 gallon drum Replicate Type: Not Applicable

Sample Method: Pump Sample Time: 16:50 Replicate Number: _____

Time	Minutes Elapsed	Rate mL/min	Depth to Water (ft)	mL Purged	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	ORP (mV)	Appearance	
16:18	0	100.00	6.01	500.00	5.77	0.43	48.77	0.66	21.80	-3.70	Clear	None
16:23	5	100.00	6.35	1,000.00	5.62	0.42	42.71	0.35	21.80	-0.90	Clear	None
16:28	10	100.00	6.52	1,500.00	5.56	0.42	33.30	0.37	21.80	1.90	Clear	None
16:33	15	100.00	6.65	2,000.00	5.47	0.42	19.25	0.29	21.80	6.80	Clear	None
16:38	20	100.00	6.73	2,500.00	5.42	0.42	16.13	0.26	21.80	9.60	Clear	None
16:43	25	100.00	6.79	3,000.00	5.32	0.42	12.23	0.24	21.80	13.90	Clear	None
16:48	30	100.00	6.84	3,500.00	5.31	0.42	7.49	0.21	21.80	15.30	Clear	None

Constituents Sampled	Container	Number	Preservative
BTEX, MTBE, and Naphthalene (Method 8260)	40 mL Glass Vial	3	HCL

Well Information MW-18

Well Locked At Arrival: Yes Arrival Action Taken: _____ Lock Functioning: Yes Lock Function Action Taken: _____

Well Locked at Departure: Yes Departure Action Taken: _____ Well Labeled Properly: Yes Label Action Taken: _____

Comments: _____

Comments:

Comments:

Groundwater Sampling - Low-Flow



Well ID: MW-23 Date: 10/28/2021 Event: Semi-Annual Event

Client: USACE Facility/Area: FST-26/Site Field Technician: Jared.Fino@arcadis_us.com

Weather Conditions: Clouds,Rain Temp (°F): 73 Wind: 8 mph

Well head PID Reading: Measuring Point Description: Top of Inner Casing Other:

Casing Material: PVC Diameter: 2.00 in Surface Finish: Stick up Purge Method: Low-Flow

Static Water Level (ft-bmp): 4.67 Depth to Product (ft-bmp): Total Depth (ft-bmp): 23.00

Water Column (ft): 18.33 Gallons in Well: 2.99 Type of Equipment: Peristaltic Other:

Purge Start Time: 17:10 Total Volume Purged: 7500 Water Quality Meter: YSI ProPlus

Purge End Time: 17:36 Purge Water Disposal: Drum Replicate Type: Not Applicable

Sample Method: Pump Sample Time: 17:36 Replicate Number:

Time	Minutes Elapsed	Rate mL/min	Depth to Water (ft)	mL Purged	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	ORP (mV)	Appearance	
17:15	0	100.00	5.85	500.00	5.16	467.10	75.05	0.79	21.40	112.40	Clear	None
17:20	5	100.00	6.24	1,000.00	5.23	456.40	59.84	0.46	21.40	109.70	Clear	None
17:25	10	100.00	6.71	1,500.00	5.24	448.00	47.84	0.33	21.40	109.50	Clear	None
17:30	15	100.00	7.09	2,000.00	5.23	445.30	31.29	0.27	21.40	109.20	Clear	None
17:35	20	100.00	7.43	2,500.00	5.22	445.40	28.01	0.25	21.40	108.60	Clear	None

Constituents Sampled	Container	Number	Preservative
BTEX, MTBE, and Naphthalene (Method 8260)	40 mL Glass Vial	3	HCL

Well Information MW-23

Well Locked At Arrival: Yes Arrival Action Taken: Lock Functioning: Yes Lock Function Action Taken:

Well Locked at Departure: Yes Departure Action Taken: Well Labeled Properly: Yes Label Action Taken:

Comments:

Constituents Sampled	Container	Number	Preservative
BTEX, MTBE, and Naphthalene (Method 8260)	40 mL Glass Vial	3	HCL

Comments:

Comments:

Groundwater Sampling - Low-Flow



Well ID: MW-36R Date: 10/27/2021 Event: Semi-Annual Event

Client: USACE Facility/Area: FST-26/Site Field Technician: Lydia.KoropecjyCox@arcadis_us.com

Weather Conditions: Clear Temp (°F): 70 Wind: 0 mph

Well head PID Reading: Measuring Point Description: Top of Inner Casing Other:

Casing Material: PVC Diameter: 2.00 in Surface Finish: Stick up Purge Method: Low-Flow

Static Water Level (ft-bmp): 6.34 Depth to Product (ft-bmp): Total Depth (ft-bmp): 25.00
 Water Column (ft): 18.66 Gallons in Well: 3.05 Type of Equipment: Peristaltic Other:
 Purge Start Time: 15:15 Total Volume Purged: 10500 Water Quality Meter: Other
 Purge End Time: 15:46 Purge Water Disposal: Drums Replicate Type: Not Applicable
 Sample Method: Pump Sample Time: 15:46 Replicate Number:

Time	Minutes Elapsed	Rate mL/min	Depth to Water (ft)	mL Purged	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	ORP (mV)	Appearance	
15:20	0	100.00	6.38	500.00	6.51	142.20	35.93	0.32	21.10	-59.90	Clear	None
15:25	5	100.00	6.37	1,000.00	6.51	142.60	34.19	0.21	21.00	-87.50	Clear	None
15:30	10	100.00	6.37	1,500.00	6.51	149.10	13.40	0.14	21.10	-154.30	Clear	None
15:35	15	100.00	6.36	2,000.00	6.52	149.20	7.38	0.12	21.10	-162.80	Clear	None
15:40	20	100.00	6.37	2,500.00	6.52	148.50	5.87	0.11	21.10	-167.70	Clear	None
15:45	25	100.00	6.36	3,000.00	6.51	147.90	4.21	0.17	21.00	-169.80	Clear	None

Constituents Sampled	Container	Number	Preservative
BTEX, MTBE, and Naphthalene (Method 8260)	40 mL Glass Vial	3	HCL

Well Information MW-36R

Well Locked At Arrival: Yes Arrival Action Taken: Lock Functioning: Yes Lock Function Action Taken:

Well Locked at Departure: Yes Departure Action Taken: Well Labeled Properly: Yes Label Action Taken:

Comments:

Groundwater Sampling - Low-Flow



Well ID: MW-38 Date: 10/28/2021 Event: Semi-Annual Event

Client: USACE Facility/Area: FST-26/Site Field Technician: Lydia.KoropecjyCox@arcadis_us.com

Weather Conditions: Rain Temp (°F): 58 Wind: 12 mph

Well head PID Reading: _____ Measuring Point Description: Top of Inner Casing Other: _____

Casing Material: PVC Diameter: 2.00 in Surface Finish: Stick up Purge Method: Low-Flow

Static Water Level (ft-bmp): 4.73 Depth to Product (ft-bmp): _____ Total Depth (ft-bmp): 29.10
 Water Column (ft): 24.37 Gallons in Well: 3.98 Type of Equipment: Peristaltic Other: _____
 Purge Start Time: 10:06 Total Volume Purged: 7500 Water Quality Meter: Other
 Purge End Time: 10:32 Purge Water Disposal: Drums Replicate Type: Dup
 Sample Method: Pump Sample Time: 10:32 Replicate Number: DUP-02

Time	Minutes Elapsed	Rate mL/min	Depth to Water (ft)	mL Purged	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	ORP (mV)	Appearance	
10:11	0	100.00	4.93	500.00	6.71	879.00	15.06	0.81	20.30	159.00	Clear	None
10:16	5	100.00	4.98	1,000.00	6.72	879.00	7.01	0.51	20.30	156.30	Clear	None
10:21	10	100.00	5.02	1,500.00	6.75	878.00	1.59	0.28	20.40	148.20	Clear	None
10:26	15	100.00	5.03	2,000.00	6.76	876.00	2.73	0.22	20.40	144.50	Clear	None
10:31	20	100.00	5.06	2,500.00	6.76	876.00	1.93	0.18	20.40	140.30	Clear	None

Constituents Sampled	Container	Number	Preservative
BTEX, MTBE, and Naphthalene (Method 8260)	40 mL Glass Vial	3	HCL

Well Information MW-38

Well Locked At Arrival: Yes Arrival Action Taken: _____ Lock Functioning: Yes Lock Function Action Taken: _____

Well Locked at Departure: Yes Departure Action Taken: _____ Well Labeled Properly: Yes Label Action Taken: _____

Comments: _____

Comments:

Comments:

Comments:

Comments:

Comments:

Comments:

Comments:

Groundwater Sampling - Low-Flow



Well ID: MW-53 Date: 10/28/2021 Event: Semi-Annual Event

Client: USACE Facility/Area: FST-26/Site Field Technician: Nathan.Welch@arcadis_us.com

Weather Conditions: Rain Temp (°F): 67 Wind: 14 mph

Well head PID Reading: Measuring Point Description: Top of Inner Casing Other:

Casing Material: PVC Diameter: 2.00 in Surface Finish: Stick up Purge Method: Low-Flow

Static Water Level (ft-bmp): 5.63 Depth to Product (ft-bmp): Total Depth (ft-bmp): 32.00

Water Column (ft): 26.37 Gallons in Well: 4.30 Type of Equipment: Peristaltic Other:

Purge Start Time: 13:50 Total Volume Purged: 10500 Water Quality Meter: YSI ProPlus

Purge End Time: 14:25 Purge Water Disposal: 55 gallon drum Replicate Type: Not Applicable

Sample Method: Pump Sample Time: 14:20 Replicate Number:

Time	Minutes Elapsed	Rate mL/min	Depth to Water (ft)	mL Purged	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	ORP (mV)	Appearance	
13:55	0	100.00	5.75	500.00	11.13	1.00	0.00	3.88	20.90	-39.50	Clear	None
14:00	5	100.00	5.75	1,000.00	11.20	1.01	0.00	3.68	20.90	-56.60	Clear	None
14:05	10	100.00	5.75	1,500.00	11.19	1.01	0.00	3.79	20.90	-68.60	Clear	None
14:11	16	100.00	5.75	2,000.00	11.21	1.01	0.00	3.83	20.90	-78.30	Clear	None
14:15	20	100.00	5.75	2,500.00	11.22	1.01	0.00	3.76	20.90	-84.70	Clear	None
14:20	25	100.00	5.75	3,000.00	11.22	1.01	0.00	3.68	20.90	-86.70	Clear	None

Constituents Sampled	Container	Number	Preservative
BTEX, MTBE, and Naphthalene (Method 8260)	40 mL Glass Vial	3	HCL

Well Information MW-53

Well Locked At Arrival: Yes Arrival Action Taken: Lock Functioning: Yes Lock Function Action Taken:

Well Locked at Departure: Yes Departure Action Taken: Well Labeled Properly: Yes Label Action Taken:

Comments:

Groundwater Sampling - Low-Flow



Well ID: MW-54 Date: 10/28/2021 Event: Semi-Annual Event

Client: USACE Facility/Area: FST-26/Site Field Technician: Lydia.KoropecjyCox@arcadis_us.com

Weather Conditions: Rain Temp (°F): 63 wind: 8 mph

Well head PID Reading: Measuring Point Description: Top of Inner Casing Other:

Casing Material: PVC Diameter: 2.00 in Surface Finish: Stick up Purge Method: Low-Flow

Static Water Level (ft-bmp): 5.34 Depth to Product (ft-bmp): Total Depth (ft-bmp): 32.00
 Water Column (ft): 26.66 Gallons in Well: 4.35 Type of Equipment: Peristaltic Other:
 Purge Start Time: 11:07 Total Volume Purged: 5000 Water Quality Meter: Other
 Purge End Time: 11:28 Purge Water Disposal: Drums Replicate Type: Not Applicable
 Sample Method: Pump Sample Time: 11:28 Replicate Number:

Time	Minutes Elapsed	Rate mL/min	Depth to Water (ft)	mL Purged	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	ORP (mV)	Appearance	
11:12	0	100.00	5.48	500.00	7.02	675.00	1.53	1.21	20.40	-125.10	Clear	None
11:17	5	100.00	5.47	1,000.00	7.02	677.00	1.65	0.52	20.80	-137.00	Clear	None
11:22	10	100.00	5.47	1,500.00	7.02	677.00	0.62	0.36	20.80	-142.70	Clear	None
11:27	15	100.00	5.49	2,000.00	7.02	676.00	0.83	0.35	20.80	-143.80	Clear	None

Constituents Sampled	Container	Number	Preservative
BTEX, MTBE, and Naphthalene (Method 8260)	40 mL Glass Vial	3	HCL

Well Information MW-54

Well Locked At Arrival: Yes Arrival Action Taken: Lock Functioning: Yes Lock Function Action Taken:
 Well Locked at Departure: Yes Departure Action Taken: Well Labeled Properly: Yes Label Action Taken:

Comments:

Groundwater Sampling - Low-Flow



Well ID: MW-55 Date: 10/27/2021 Event: Semi-Annual Event

Client: USACE Facility/Area: FST-26/Site Field Technician: Lydia.KoropecjyCox@arcadis_us.com

Weather Conditions: Clouds Temp (°F): 71 Wind: 3 mph

Well head PID Reading: Measuring Point Description: Top of Inner Casing Other:

Casing Material: PVC Diameter: 2.00 in Surface Finish: Stick up Purge Method: Low-Flow

Static Water Level (ft-bmp): 5.06 Depth to Product (ft-bmp): Total Depth (ft-bmp): 32.00
 Water Column (ft): 26.94 Gallons in Well: 4.40 Type of Equipment: Peristaltic Other:
 Purge Start Time: 16:55 Total Volume Purged: 7500 Water Quality Meter: Other
 Purge End Time: 17:21 Purge Water Disposal: Drums Replicate Type: Dup
 Sample Method: Pump Sample Time: 17:21 Replicate Number: DUP-01

Time	Minutes Elapsed	Rate mL/min	Depth to Water (ft)	mL Purged	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	ORP (mV)	Appearance	
17:00	0	100.00	5.06	500.00	6.75	193.40	21.23	0.85	20.30	-61.60	Clear	None
17:05	5	100.00	5.19	1,000.00	6.71	193.70	13.23	0.38	20.50	-66.10	Clear	None
17:10	10	100.00	5.23	1,500.00	6.70	193.30	10.30	0.24	20.50	-69.00	Clear	None
17:15	15	100.00	5.26	2,000.00	6.70	192.90	10.94	0.22	20.50	-70.70	Clear	None
17:20	20	100.00	5.27	2,500.00	6.70	192.50	9.14	0.18	20.50	-72.10	Clear	None

Constituents Sampled	Container	Number	Preservative
BTEX, MTBE, and Naphthalene (Method 8260)	40 mL Glass Vial	3	HCL

Well Information MW-55

Well Locked At Arrival: Yes Arrival Action Taken: Lock Functioning: Yes Lock Function Action Taken:

Well Locked at Departure: Yes Departure Action Taken: Well Labeled Properly: Yes Label Action Taken:

Comments:

Comments:

APPENDIX B

LABORATORY ANALYTICAL REPORTS AND VALIDATION REPORTS (JUNE/JULY 2021 AND OCTOBER 2021) (ON CD ROM)

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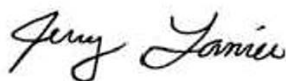
ANALYTICAL REPORT

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Laboratory Job ID: 680-200935-1
Client Project/Site: Ft. Sewart/ FTG-26

For:
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7/16/2021 8:30:01 PM

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Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Job ID: 680-200935-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ft. Sewart/ FTG-26

Report Number: 680-200935-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 07/02/2021; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.3 C.

Receipt Exceptions

The method requirement for no headspace was not met. The following volatile sample#20 were received in TA-Sac with significant headspace in the sample container. Significant headspace is defined as a bubble greater than 6 mm in diameter. TRIP BLANK (680-200935-20)

VOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples FST26-MW-38(062921) (680-200935-1), FST26-MW-54(062921) (680-200935-2), FST26-MW-19(062921) (680-200935-3), FST26-MW-25R(062921) (680-200935-4), FST26-MW-28R(062921) (680-200935-5), FST26-MW-36R(062921) (680-200935-6), FST26-MW-23(063021) (680-200935-7), FST26-MW-56(063021) (680-200935-8), FST26-MW-50(063021) (680-200935-9), FST26-MW-42(063021) (680-200935-10), FST26-MW-52(063021) (680-200935-11), FST26-MW-51(063021) (680-200935-12), FST26-MW-39(070121) (680-200935-13), FST26-MW-53(070121) (680-200935-14), FST26-MW-43(070121) (680-200935-15), FST26-MW-57(070121) (680-200935-16), FST26-MW-55(070221) (680-200935-17), FST26-MW-44(070221) (680-200935-18), FST26-DUP-01(070221) (680-200935-19) and TRIP BLANK (680-200935-20) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 07/12/2021 and 07/13/2021.

Toluene-d8 (Surrogate) recovery for the following samples were outside the upper control limit: FST26-MW-28R(062921) (680-200935-5) and FST26-MW-23(063021) (680-200935-7). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Toluene-d8 (Surrogate) recovery for the laboratory control sample associated with analytical batch 320-505737 was outside the upper control limit: (LCSD 320-505737/10). As the target analytes were within control limits for this LCS, and the associated samples surrogate were in control, a re- analysis was not performed.

4-Bromofluorobenzene (Surrogate) recovery for the following sample was outside the upper control limit: FST26-MW-36R(062921) (680-200935-6). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Internal standard (ISTD) response for Dioxane-d8 and TBA-d9 for the following samples were outside acceptance criteria: FST26-MW-54(062921) (680-200935-2), FST26-MW-19(062921) (680-200935-3), FST26-MW-28R(062921) (680-200935-5[MSD]), FST26-MW-36R(062921) (680-200935-6), (CCV 320-505737/4) and (CCVC 320-505737/33). This ISTD does not correspond to any of the requested target compounds; therefore, the data have been reported.

Internal standard (ISTD) response for Dioxane-d8 and TBA-d9 for the following samples were outside acceptance criteria: FST26-MW-52(063021) (680-200935-11), FST26-MW-44(070221) (680-200935-18), FST26-DUP-01(070221) (680-200935-19), (CCV 320-506142/4), (CCVC 320-506142/50), (LCS 320-506142/5), (LCSD 320-506142/6) and (MB 320-506142/9). This ISTD does not

Case Narrative

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

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Laboratory: Eurofins TestAmerica, Savannah (Continued)

correspond to any of the requested target compounds; therefore, the data have been reported.

Internal standard (ISTD) response for Dioxane-d8 for the following samples were outside acceptance criteria: FST26-MW-42(063021) (680-200935-10), FST26-MW-53(070121) (680-200935-14), FST26-MW-57(070121) (680-200935-16) and FST26-MW-55(070221) (680-200935-17). This ISTD does not correspond to any of the requested target compounds; therefore, the data have been reported.

The laboratory control sample (LCS) for analytical batch 320-505737 recovered outside control limits for the following analytes: Naphthalene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 320-506142.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 320-506091.

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

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
680-200935-1	FST26-MW-38(062921)	Water	06/29/21 16:55	07/02/21 16:20	
680-200935-2	FST26-MW-54(062921)	Water	06/29/21 16:00	07/02/21 16:20	
680-200935-3	FST26-MW-19(062921)	Water	06/29/21 15:10	07/02/21 16:20	
680-200935-4	FST26-MW-25R(062921)	Water	06/29/21 12:25	07/02/21 16:20	
680-200935-5	FST26-MW-28R(062921)	Water	06/29/21 15:44	07/02/21 16:20	
680-200935-6	FST26-MW-36R(062921)	Water	06/29/21 16:36	07/02/21 16:20	
680-200935-7	FST26-MW-23(063021)	Water	06/30/21 09:40	07/02/21 16:20	
680-200935-8	FST26-MW-56(063021)	Water	06/30/21 10:40	07/02/21 16:20	
680-200935-9	FST26-MW-50(063021)	Water	06/30/21 16:15	07/02/21 16:20	
680-200935-10	FST26-MW-42(063021)	Water	06/30/21 14:55	07/02/21 16:20	
680-200935-11	FST26-MW-52(063021)	Water	06/30/21 13:40	07/02/21 16:20	
680-200935-12	FST26-MW-51(063021)	Water	06/30/21 13:00	07/02/21 16:20	
680-200935-13	FST26-MW-39(070121)	Water	07/01/21 12:26	07/02/21 16:20	
680-200935-14	FST26-MW-53(070121)	Water	07/01/21 13:26	07/02/21 16:20	
680-200935-15	FST26-MW-43(070121)	Water	07/01/21 14:24	07/02/21 16:20	
680-200935-16	FST26-MW-57(070121)	Water	07/01/21 16:31	07/02/21 16:20	
680-200935-17	FST26-MW-55(070221)	Water	07/02/21 09:51	07/02/21 16:20	
680-200935-18	FST26-MW-44(070221)	Water	07/02/21 10:31	07/02/21 16:20	
680-200935-19	FST26-DUP-01(070221)	Water	07/02/21 00:00	07/02/21 16:20	
680-200935-20	TRIP BLANK	Water	06/29/21 00:00	07/02/21 16:20	

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAC
5030B	Purge and Trap	SW846	TAL SAC

Protocol References:

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

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Definitions/Glossary

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
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.

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
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

Detection Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-38(062921)

Lab Sample ID: 680-200935-1

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	1.4	J	2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: FST26-MW-54(062921)

Lab Sample ID: 680-200935-2

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	1.4	J	2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: FST26-MW-19(062921)

Lab Sample ID: 680-200935-3

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.27	J	2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: FST26-MW-25R(062921)

Lab Sample ID: 680-200935-4

No Detections.

Client Sample ID: FST26-MW-28R(062921)

Lab Sample ID: 680-200935-5

No Detections.

Client Sample ID: FST26-MW-36R(062921)

Lab Sample ID: 680-200935-6

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	1.5	J	2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: FST26-MW-23(063021)

Lab Sample ID: 680-200935-7

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	1.1	J	2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: FST26-MW-56(063021)

Lab Sample ID: 680-200935-8

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	2.0		2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: FST26-MW-50(063021)

Lab Sample ID: 680-200935-9

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.94	J	2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: FST26-MW-42(063021)

Lab Sample ID: 680-200935-10

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	20		2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: FST26-MW-52(063021)

Lab Sample ID: 680-200935-11

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.68	J	2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: FST26-MW-51(063021)

Lab Sample ID: 680-200935-12

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	14		2.0	0.40	0.19	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Savannah

Detection Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-39(070121)

Lab Sample ID: 680-200935-13

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	7.8		2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: FST26-MW-53(070121)

Lab Sample ID: 680-200935-14

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	2.7		2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: FST26-MW-43(070121)

Lab Sample ID: 680-200935-15

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	49		2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: FST26-MW-57(070121)

Lab Sample ID: 680-200935-16

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	7.7		2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: FST26-MW-55(070221)

Lab Sample ID: 680-200935-17

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.71	J M	2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: FST26-MW-44(070221)

Lab Sample ID: 680-200935-18

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	14		2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: FST26-DUP-01(070221)

Lab Sample ID: 680-200935-19

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.70	J	2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 680-200935-20

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Savannah

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-38(062921)

Lab Sample ID: 680-200935-1

Date Collected: 06/29/21 16:55

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/12/21 14:16	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/12/21 14:16	1
Methyl tert-butyl ether	1.4	J	2.0	0.40	0.19	ug/L		07/12/21 14:16	1
Naphthalene	0.40	U Q	1.0	0.40	0.15	ug/L		07/12/21 14:16	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/12/21 14:16	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/12/21 14:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		89 - 112		07/12/21 14:16	1
1,2-Dichloroethane-d4 (Surr)	95		81 - 118		07/12/21 14:16	1
4-Bromofluorobenzene (Surr)	107		85 - 114		07/12/21 14:16	1
Dibromofluoromethane (Surr)	92		80 - 119		07/12/21 14:16	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-54(062921)

Lab Sample ID: 680-200935-2

Date Collected: 06/29/21 16:00

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/12/21 14:39	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/12/21 14:39	1
Methyl tert-butyl ether	1.4	J	2.0	0.40	0.19	ug/L		07/12/21 14:39	1
Naphthalene	0.40	U Q	1.0	0.40	0.15	ug/L		07/12/21 14:39	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/12/21 14:39	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/12/21 14:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	112		89 - 112		07/12/21 14:39	1
1,2-Dichloroethane-d4 (Surr)	104		81 - 118		07/12/21 14:39	1
4-Bromofluorobenzene (Surr)	107		85 - 114		07/12/21 14:39	1
Dibromofluoromethane (Surr)	95		80 - 119		07/12/21 14:39	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-19(062921)

Lab Sample ID: 680-200935-3

Date Collected: 06/29/21 15:10

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/12/21 15:03	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/12/21 15:03	1
Methyl tert-butyl ether	0.27	J	2.0	0.40	0.19	ug/L		07/12/21 15:03	1
Naphthalene	0.40	U Q	1.0	0.40	0.15	ug/L		07/12/21 15:03	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/12/21 15:03	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/12/21 15:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		89 - 112		07/12/21 15:03	1
1,2-Dichloroethane-d4 (Surr)	102		81 - 118		07/12/21 15:03	1
4-Bromofluorobenzene (Surr)	102		85 - 114		07/12/21 15:03	1
Dibromofluoromethane (Surr)	96		80 - 119		07/12/21 15:03	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-25R(062921)

Lab Sample ID: 680-200935-4

Date Collected: 06/29/21 12:25

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/12/21 15:26	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/12/21 15:26	1
Methyl tert-butyl ether	0.40	U	2.0	0.40	0.19	ug/L		07/12/21 15:26	1
Naphthalene	0.40	U Q	1.0	0.40	0.15	ug/L		07/12/21 15:26	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/12/21 15:26	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/12/21 15:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		89 - 112		07/12/21 15:26	1
1,2-Dichloroethane-d4 (Surr)	102		81 - 118		07/12/21 15:26	1
4-Bromofluorobenzene (Surr)	108		85 - 114		07/12/21 15:26	1
Dibromofluoromethane (Surr)	105		80 - 119		07/12/21 15:26	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-28R(062921)

Lab Sample ID: 680-200935-5

Date Collected: 06/29/21 15:44

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/12/21 15:49	1
Ethylbenzene	0.40	U Q	1.0	0.40	0.15	ug/L		07/12/21 15:49	1
Methyl tert-butyl ether	0.40	U	2.0	0.40	0.19	ug/L		07/12/21 15:49	1
Naphthalene	0.40	U Q	1.0	0.40	0.15	ug/L		07/12/21 15:49	1
Toluene	0.80	U Q	1.0	0.80	0.25	ug/L		07/12/21 15:49	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/12/21 15:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	117	Q	89 - 112		07/12/21 15:49	1
1,2-Dichloroethane-d4 (Surr)	101		81 - 118		07/12/21 15:49	1
4-Bromofluorobenzene (Surr)	106		85 - 114		07/12/21 15:49	1
Dibromofluoromethane (Surr)	97		80 - 119		07/12/21 15:49	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-36R(062921)

Lab Sample ID: 680-200935-6

Date Collected: 06/29/21 16:36

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/12/21 16:12	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/12/21 16:12	1
Methyl tert-butyl ether	1.5	J	2.0	0.40	0.19	ug/L		07/12/21 16:12	1
Naphthalene	0.40	U Q	1.0	0.40	0.15	ug/L		07/12/21 16:12	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/12/21 16:12	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/12/21 16:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		89 - 112		07/12/21 16:12	1
1,2-Dichloroethane-d4 (Surr)	103		81 - 118		07/12/21 16:12	1
4-Bromofluorobenzene (Surr)	117	Q	85 - 114		07/12/21 16:12	1
Dibromofluoromethane (Surr)	117		80 - 119		07/12/21 16:12	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-23(063021)

Lab Sample ID: 680-200935-7

Date Collected: 06/30/21 09:40

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/12/21 16:35	1
Ethylbenzene	0.40	U Q	1.0	0.40	0.15	ug/L		07/12/21 16:35	1
Methyl tert-butyl ether	1.1	J	2.0	0.40	0.19	ug/L		07/12/21 16:35	1
Naphthalene	0.40	U Q	1.0	0.40	0.15	ug/L		07/12/21 16:35	1
Toluene	0.80	U Q	1.0	0.80	0.25	ug/L		07/12/21 16:35	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/12/21 16:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	115	Q	89 - 112		07/12/21 16:35	1
1,2-Dichloroethane-d4 (Surr)	100		81 - 118		07/12/21 16:35	1
4-Bromofluorobenzene (Surr)	104		85 - 114		07/12/21 16:35	1
Dibromofluoromethane (Surr)	97		80 - 119		07/12/21 16:35	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-56(063021)

Lab Sample ID: 680-200935-8

Date Collected: 06/30/21 10:40

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/13/21 15:49	1
Ethylbenzene	0.40	U M	1.0	0.40	0.15	ug/L		07/13/21 15:49	1
Methyl tert-butyl ether	2.0		2.0	0.40	0.19	ug/L		07/13/21 15:49	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 15:49	1
Toluene	0.80	U M	1.0	0.80	0.25	ug/L		07/13/21 15:49	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/13/21 15:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		89 - 112		07/13/21 15:49	1
1,2-Dichloroethane-d4 (Surr)	104		81 - 118		07/13/21 15:49	1
4-Bromofluorobenzene (Surr)	109		85 - 114		07/13/21 15:49	1
Dibromofluoromethane (Surr)	101		80 - 119		07/13/21 15:49	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-50(063021)

Lab Sample ID: 680-200935-9

Date Collected: 06/30/21 16:15

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/13/21 16:12	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 16:12	1
Methyl tert-butyl ether	0.94	J	2.0	0.40	0.19	ug/L		07/13/21 16:12	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 16:12	1
Toluene	0.80	U M	1.0	0.80	0.25	ug/L		07/13/21 16:12	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/13/21 16:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		89 - 112		07/13/21 16:12	1
1,2-Dichloroethane-d4 (Surr)	98		81 - 118		07/13/21 16:12	1
4-Bromofluorobenzene (Surr)	104		85 - 114		07/13/21 16:12	1
Dibromofluoromethane (Surr)	93		80 - 119		07/13/21 16:12	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-42(063021)

Lab Sample ID: 680-200935-10

Date Collected: 06/30/21 14:55

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/13/21 16:35	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 16:35	1
Methyl tert-butyl ether	20		2.0	0.40	0.19	ug/L		07/13/21 16:35	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 16:35	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/13/21 16:35	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/13/21 16:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		89 - 112		07/13/21 16:35	1
1,2-Dichloroethane-d4 (Surr)	102		81 - 118		07/13/21 16:35	1
4-Bromofluorobenzene (Surr)	105		85 - 114		07/13/21 16:35	1
Dibromofluoromethane (Surr)	99		80 - 119		07/13/21 16:35	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-52(063021)

Lab Sample ID: 680-200935-11

Date Collected: 06/30/21 13:40

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/13/21 16:58	1
Ethylbenzene	0.40	U M	1.0	0.40	0.15	ug/L		07/13/21 16:58	1
Methyl tert-butyl ether	0.68	J	2.0	0.40	0.19	ug/L		07/13/21 16:58	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 16:58	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/13/21 16:58	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/13/21 16:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		89 - 112		07/13/21 16:58	1
1,2-Dichloroethane-d4 (Surr)	100		81 - 118		07/13/21 16:58	1
4-Bromofluorobenzene (Surr)	108		85 - 114		07/13/21 16:58	1
Dibromofluoromethane (Surr)	94		80 - 119		07/13/21 16:58	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-51(063021)

Lab Sample ID: 680-200935-12

Date Collected: 06/30/21 13:00

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/13/21 17:21	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 17:21	1
Methyl tert-butyl ether	14		2.0	0.40	0.19	ug/L		07/13/21 17:21	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 17:21	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/13/21 17:21	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/13/21 17:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		89 - 112		07/13/21 17:21	1
1,2-Dichloroethane-d4 (Surr)	99		81 - 118		07/13/21 17:21	1
4-Bromofluorobenzene (Surr)	99		85 - 114		07/13/21 17:21	1
Dibromofluoromethane (Surr)	99		80 - 119		07/13/21 17:21	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-39(070121)

Lab Sample ID: 680-200935-13

Date Collected: 07/01/21 12:26

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/13/21 17:44	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 17:44	1
Methyl tert-butyl ether	7.8		2.0	0.40	0.19	ug/L		07/13/21 17:44	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 17:44	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/13/21 17:44	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/13/21 17:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		89 - 112		07/13/21 17:44	1
1,2-Dichloroethane-d4 (Surr)	102		81 - 118		07/13/21 17:44	1
4-Bromofluorobenzene (Surr)	108		85 - 114		07/13/21 17:44	1
Dibromofluoromethane (Surr)	98		80 - 119		07/13/21 17:44	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-53(070121)

Lab Sample ID: 680-200935-14

Date Collected: 07/01/21 13:26

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/13/21 18:08	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 18:08	1
Methyl tert-butyl ether	2.7		2.0	0.40	0.19	ug/L		07/13/21 18:08	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 18:08	1
Toluene	0.80	U M	1.0	0.80	0.25	ug/L		07/13/21 18:08	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/13/21 18:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		89 - 112		07/13/21 18:08	1
1,2-Dichloroethane-d4 (Surr)	104		81 - 118		07/13/21 18:08	1
4-Bromofluorobenzene (Surr)	108		85 - 114		07/13/21 18:08	1
Dibromofluoromethane (Surr)	102		80 - 119		07/13/21 18:08	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-43(070121)

Lab Sample ID: 680-200935-15

Date Collected: 07/01/21 14:24

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/13/21 18:31	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 18:31	1
Methyl tert-butyl ether	49		2.0	0.40	0.19	ug/L		07/13/21 18:31	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 18:31	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/13/21 18:31	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/13/21 18:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		89 - 112		07/13/21 18:31	1
1,2-Dichloroethane-d4 (Surr)	104		81 - 118		07/13/21 18:31	1
4-Bromofluorobenzene (Surr)	102		85 - 114		07/13/21 18:31	1
Dibromofluoromethane (Surr)	100		80 - 119		07/13/21 18:31	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-57(070121)

Lab Sample ID: 680-200935-16

Date Collected: 07/01/21 16:31

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/13/21 18:54	1
Ethylbenzene	0.40	U M	1.0	0.40	0.15	ug/L		07/13/21 18:54	1
Methyl tert-butyl ether	7.7		2.0	0.40	0.19	ug/L		07/13/21 18:54	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 18:54	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/13/21 18:54	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/13/21 18:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		89 - 112		07/13/21 18:54	1
1,2-Dichloroethane-d4 (Surr)	105		81 - 118		07/13/21 18:54	1
4-Bromofluorobenzene (Surr)	108		85 - 114		07/13/21 18:54	1
Dibromofluoromethane (Surr)	98		80 - 119		07/13/21 18:54	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-55(070221)

Lab Sample ID: 680-200935-17

Date Collected: 07/02/21 09:51

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/13/21 19:17	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 19:17	1
Methyl tert-butyl ether	0.71	J M	2.0	0.40	0.19	ug/L		07/13/21 19:17	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 19:17	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/13/21 19:17	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/13/21 19:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		89 - 112		07/13/21 19:17	1
1,2-Dichloroethane-d4 (Surr)	101		81 - 118		07/13/21 19:17	1
4-Bromofluorobenzene (Surr)	101		85 - 114		07/13/21 19:17	1
Dibromofluoromethane (Surr)	91		80 - 119		07/13/21 19:17	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-44(070221)

Lab Sample ID: 680-200935-18

Date Collected: 07/02/21 10:31

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/13/21 19:41	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 19:41	1
Methyl tert-butyl ether	14		2.0	0.40	0.19	ug/L		07/13/21 19:41	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 19:41	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/13/21 19:41	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/13/21 19:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		89 - 112		07/13/21 19:41	1
1,2-Dichloroethane-d4 (Surr)	98		81 - 118		07/13/21 19:41	1
4-Bromofluorobenzene (Surr)	98		85 - 114		07/13/21 19:41	1
Dibromofluoromethane (Surr)	97		80 - 119		07/13/21 19:41	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-DUP-01(070221)

Lab Sample ID: 680-200935-19

Date Collected: 07/02/21 00:00

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/13/21 20:04	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 20:04	1
Methyl tert-butyl ether	0.70	J	2.0	0.40	0.19	ug/L		07/13/21 20:04	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 20:04	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/13/21 20:04	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/13/21 20:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		89 - 112		07/13/21 20:04	1
1,2-Dichloroethane-d4 (Surr)	106		81 - 118		07/13/21 20:04	1
4-Bromofluorobenzene (Surr)	103		85 - 114		07/13/21 20:04	1
Dibromofluoromethane (Surr)	100		80 - 119		07/13/21 20:04	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 680-200935-20

Date Collected: 06/29/21 00:00

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U H	1.0	0.40	0.13	ug/L		07/13/21 15:25	1
Ethylbenzene	0.40	U H	1.0	0.40	0.15	ug/L		07/13/21 15:25	1
Methyl tert-butyl ether	0.40	U H	2.0	0.40	0.19	ug/L		07/13/21 15:25	1
Naphthalene	0.40	U H	1.0	0.40	0.15	ug/L		07/13/21 15:25	1
Toluene	0.80	U H	1.0	0.80	0.25	ug/L		07/13/21 15:25	1
Xylenes, Total	1.2	U H	1.5	1.2	0.18	ug/L		07/13/21 15:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	112		89 - 112		07/13/21 15:25	1
1,2-Dichloroethane-d4 (Surr)	112		81 - 118		07/13/21 15:25	1
4-Bromofluorobenzene (Surr)	101		85 - 114		07/13/21 15:25	1
Dibromofluoromethane (Surr)	114		80 - 119		07/13/21 15:25	1

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (89-112)	DCA (81-118)	BFB (85-114)	DBFM (80-119)
680-200935-1	FST26-MW-38(062921)	109	95	107	92
680-200935-2	FST26-MW-54(062921)	112	104	107	95
680-200935-3	FST26-MW-19(062921)	92	102	102	96
680-200935-4	FST26-MW-25R(062921)	98	102	108	105
680-200935-5	FST26-MW-28R(062921)	117 Q	101	106	97
680-200935-5 MS	FST26-MW-28R(062921)	96	102	106	90
680-200935-5 MSD	FST26-MW-28R(062921)	99	99	110	95
680-200935-6	FST26-MW-36R(062921)	96	103	117 Q	117
680-200935-7	FST26-MW-23(063021)	115 Q	100	104	97
680-200935-8	FST26-MW-56(063021)	95	104	109	101
680-200935-9	FST26-MW-50(063021)	95	98	104	93
680-200935-10	FST26-MW-42(063021)	96	102	105	99
680-200935-11	FST26-MW-52(063021)	96	100	108	94
680-200935-12	FST26-MW-51(063021)	98	99	99	99
680-200935-13	FST26-MW-39(070121)	93	102	108	98
680-200935-14	FST26-MW-53(070121)	94	104	108	102
680-200935-15	FST26-MW-43(070121)	98	104	102	100
680-200935-16	FST26-MW-57(070121)	94	105	108	98
680-200935-17	FST26-MW-55(070221)	97	101	101	91
680-200935-18	FST26-MW-44(070221)	94	98	98	97
680-200935-19	FST26-DUP-01(070221)	106	106	103	100
680-200935-20	TRIP BLANK	112	112	101	114
LCS 320-505737/7	Lab Control Sample	100	100	109	99
LCS 320-506091/6	Lab Control Sample	110	108	102	114
LCS 320-506142/5	Lab Control Sample	99	97	100	97
LCSD 320-505737/10	Lab Control Sample Dup	113 Q	92	104	94
LCSD 320-506091/7	Lab Control Sample Dup	112	108	98	112
LCSD 320-506142/6	Lab Control Sample Dup	99	96	105	95
MB 320-505737/13	Method Blank	106	100	114	92
MB 320-506091/11	Method Blank	111	111	99	112
MB 320-506142/9	Method Blank	95	99	106	100

Surrogate Legend

TOL = Toluene-d8 (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewar/ FTG-26

Job ID: 680-200935-1

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

Lab Sample ID: MB 320-505737/13

Matrix: Water

Analysis Batch: 505737

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/12/21 13:07	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/12/21 13:07	1
Methyl tert-butyl ether	0.40	U	2.0	0.40	0.19	ug/L		07/12/21 13:07	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/12/21 13:07	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/12/21 13:07	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/12/21 13:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		89 - 112		07/12/21 13:07	1
1,2-Dichloroethane-d4 (Surr)	100		81 - 118		07/12/21 13:07	1
4-Bromofluorobenzene (Surr)	114		85 - 114		07/12/21 13:07	1
Dibromofluoromethane (Surr)	92		80 - 119		07/12/21 13:07	1

Lab Sample ID: LCS 320-505737/7

Matrix: Water

Analysis Batch: 505737

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.0	20.2		ug/L		101	79 - 120
Ethylbenzene	20.0	20.1		ug/L		101	79 - 121
Methyl tert-butyl ether	20.0	24.2		ug/L		121	71 - 124
Naphthalene	20.0	25.8	Q	ug/L		129	61 - 128
Toluene	20.0	20.5		ug/L		103	80 - 121
Xylenes, Total	40.0	41.0		ug/L		103	79 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		89 - 112
1,2-Dichloroethane-d4 (Surr)	100		81 - 118
4-Bromofluorobenzene (Surr)	109		85 - 114
Dibromofluoromethane (Surr)	99		80 - 119

Lab Sample ID: LCSD 320-505737/10

Matrix: Water

Analysis Batch: 505737

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
Benzene	20.0	18.1		ug/L		90	79 - 120	11	20
Ethylbenzene	20.0	19.0	Q	ug/L		95	79 - 121	6	20
Methyl tert-butyl ether	20.0	21.3		ug/L		106	71 - 124	13	20
Naphthalene	20.0	24.4		ug/L		122	61 - 128	6	20
Toluene	20.0	21.5	Q	ug/L		107	80 - 121	5	20
Xylenes, Total	40.0	38.2		ug/L		96	79 - 121	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	113	Q	89 - 112
1,2-Dichloroethane-d4 (Surr)	92		81 - 118
4-Bromofluorobenzene (Surr)	104		85 - 114

Eurofins TestAmerica, Savannah

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

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

Lab Sample ID: LCSD 320-505737/10

Matrix: Water

Analysis Batch: 505737

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane (Surr)	94		80 - 119

Lab Sample ID: 680-200935-5 MS

Matrix: Water

Analysis Batch: 505737

Client Sample ID: FST26-MW-28R(062921)

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.40	U	23.3	23.8		ug/L		102	79 - 120
Ethylbenzene	0.40	U Q	23.3	24.2		ug/L		104	79 - 121
Methyl tert-butyl ether	0.40	U	23.3	27.7		ug/L		119	71 - 124
Naphthalene	0.40	U Q	23.3	29.8		ug/L		128	61 - 128
Toluene	0.80	U Q	23.3	23.9		ug/L		103	80 - 121
Xylenes, Total	1.2	U	46.5	50.4		ug/L		108	79 - 121

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
Toluene-d8 (Surr)	96		89 - 112
1,2-Dichloroethane-d4 (Surr)	102		81 - 118
4-Bromofluorobenzene (Surr)	106		85 - 114
Dibromofluoromethane (Surr)	90		80 - 119

Lab Sample ID: 680-200935-5 MSD

Matrix: Water

Analysis Batch: 505737

Client Sample ID: FST26-MW-28R(062921)

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.40	U	23.3	25.6		ug/L		110	79 - 120	7	20
Ethylbenzene	0.40	U Q	23.3	26.6		ug/L		114	79 - 121	9	20
Methyl tert-butyl ether	0.40	U	23.3	28.3		ug/L		122	71 - 124	2	20
Naphthalene	0.40	U Q	23.3	28.3		ug/L		122	61 - 128	5	20
Toluene	0.80	U Q	23.3	26.3		ug/L		113	80 - 121	10	20
Xylenes, Total	1.2	U	46.5	52.6		ug/L		113	79 - 121	4	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
Toluene-d8 (Surr)	99		89 - 112
1,2-Dichloroethane-d4 (Surr)	99		81 - 118
4-Bromofluorobenzene (Surr)	110		85 - 114
Dibromofluoromethane (Surr)	95		80 - 119

Lab Sample ID: MB 320-506091/11

Matrix: Water

Analysis Batch: 506091

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/13/21 13:07	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 13:07	1
Methyl tert-butyl ether	0.40	U	2.0	0.40	0.19	ug/L		07/13/21 13:07	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 13:07	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/13/21 13:07	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

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

Lab Sample ID: MB 320-506091/11

Matrix: Water

Analysis Batch: 506091

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/13/21 13:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	111		89 - 112		07/13/21 13:07	1
1,2-Dichloroethane-d4 (Surr)	111		81 - 118		07/13/21 13:07	1
4-Bromofluorobenzene (Surr)	99		85 - 114		07/13/21 13:07	1
Dibromofluoromethane (Surr)	112		80 - 119		07/13/21 13:07	1

Lab Sample ID: LCS 320-506091/6

Matrix: Water

Analysis Batch: 506091

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.0	22.2		ug/L		111	79 - 120
Ethylbenzene	20.0	22.3		ug/L		111	79 - 121
Methyl tert-butyl ether	20.0	22.4		ug/L		112	71 - 124
Naphthalene	20.0	20.4		ug/L		102	61 - 128
Toluene	20.0	22.3		ug/L		111	80 - 121
Xylenes, Total	40.0	43.6		ug/L		109	79 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	110		89 - 112
1,2-Dichloroethane-d4 (Surr)	108		81 - 118
4-Bromofluorobenzene (Surr)	102		85 - 114
Dibromofluoromethane (Surr)	114		80 - 119

Lab Sample ID: LCSD 320-506091/7

Matrix: Water

Analysis Batch: 506091

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
Benzene	20.0	21.2		ug/L		106	79 - 120	5	20
Ethylbenzene	20.0	20.7		ug/L		104	79 - 121	7	20
Methyl tert-butyl ether	20.0	20.9		ug/L		105	71 - 124	7	20
Naphthalene	20.0	18.6		ug/L		93	61 - 128	9	20
Toluene	20.0	21.3		ug/L		107	80 - 121	4	20
Xylenes, Total	40.0	40.5		ug/L		101	79 - 121	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	112		89 - 112
1,2-Dichloroethane-d4 (Surr)	108		81 - 118
4-Bromofluorobenzene (Surr)	98		85 - 114
Dibromofluoromethane (Surr)	112		80 - 119

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

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

Lab Sample ID: MB 320-506142/9

Matrix: Water

Analysis Batch: 506142

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/13/21 15:26	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 15:26	1
Methyl tert-butyl ether	0.40	U	2.0	0.40	0.19	ug/L		07/13/21 15:26	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 15:26	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/13/21 15:26	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/13/21 15:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		89 - 112		07/13/21 15:26	1
1,2-Dichloroethane-d4 (Surr)	99		81 - 118		07/13/21 15:26	1
4-Bromofluorobenzene (Surr)	106		85 - 114		07/13/21 15:26	1
Dibromofluoromethane (Surr)	100		80 - 119		07/13/21 15:26	1

Lab Sample ID: LCS 320-506142/5

Matrix: Water

Analysis Batch: 506142

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.0	17.5		ug/L		87	79 - 120
Ethylbenzene	20.0	17.0		ug/L		85	79 - 121
Methyl tert-butyl ether	20.0	17.2		ug/L		86	71 - 124
Naphthalene	20.0	19.2		ug/L		96	61 - 128
Toluene	20.0	18.1		ug/L		91	80 - 121
Xylenes, Total	40.0	34.4		ug/L		86	79 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	99		89 - 112
1,2-Dichloroethane-d4 (Surr)	97		81 - 118
4-Bromofluorobenzene (Surr)	100		85 - 114
Dibromofluoromethane (Surr)	97		80 - 119

Lab Sample ID: LCSD 320-506142/6

Matrix: Water

Analysis Batch: 506142

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
Benzene	20.0	17.5		ug/L		87	79 - 120	0	20
Ethylbenzene	20.0	17.9		ug/L		89	79 - 121	5	20
Methyl tert-butyl ether	20.0	17.8		ug/L		89	71 - 124	3	20
Naphthalene	20.0	19.7		ug/L		98	61 - 128	2	20
Toluene	20.0	17.5		ug/L		87	80 - 121	4	20
Xylenes, Total	40.0	35.2		ug/L		88	79 - 121	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	99		89 - 112
1,2-Dichloroethane-d4 (Surr)	96		81 - 118
4-Bromofluorobenzene (Surr)	105		85 - 114

Eurofins TestAmerica, Savannah

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

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

Lab Sample ID: LCSD 320-506142/6

Matrix: Water

Analysis Batch: 506142

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	95		80 - 119

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

GC/MS VOA

Analysis Batch: 505737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-200935-1	FST26-MW-38(062921)	Total/NA	Water	8260B	
680-200935-2	FST26-MW-54(062921)	Total/NA	Water	8260B	
680-200935-3	FST26-MW-19(062921)	Total/NA	Water	8260B	
680-200935-4	FST26-MW-25R(062921)	Total/NA	Water	8260B	
680-200935-5	FST26-MW-28R(062921)	Total/NA	Water	8260B	
680-200935-6	FST26-MW-36R(062921)	Total/NA	Water	8260B	
680-200935-7	FST26-MW-23(063021)	Total/NA	Water	8260B	
MB 320-505737/13	Method Blank	Total/NA	Water	8260B	
LCS 320-505737/7	Lab Control Sample	Total/NA	Water	8260B	
LCSD 320-505737/10	Lab Control Sample Dup	Total/NA	Water	8260B	
680-200935-5 MS	FST26-MW-28R(062921)	Total/NA	Water	8260B	
680-200935-5 MSD	FST26-MW-28R(062921)	Total/NA	Water	8260B	

Analysis Batch: 506091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-200935-20	TRIP BLANK	Total/NA	Water	8260B	
MB 320-506091/11	Method Blank	Total/NA	Water	8260B	
LCS 320-506091/6	Lab Control Sample	Total/NA	Water	8260B	
LCSD 320-506091/7	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 506142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-200935-8	FST26-MW-56(063021)	Total/NA	Water	8260B	
680-200935-9	FST26-MW-50(063021)	Total/NA	Water	8260B	
680-200935-10	FST26-MW-42(063021)	Total/NA	Water	8260B	
680-200935-11	FST26-MW-52(063021)	Total/NA	Water	8260B	
680-200935-12	FST26-MW-51(063021)	Total/NA	Water	8260B	
680-200935-13	FST26-MW-39(070121)	Total/NA	Water	8260B	
680-200935-14	FST26-MW-53(070121)	Total/NA	Water	8260B	
680-200935-15	FST26-MW-43(070121)	Total/NA	Water	8260B	
680-200935-16	FST26-MW-57(070121)	Total/NA	Water	8260B	
680-200935-17	FST26-MW-55(070221)	Total/NA	Water	8260B	
680-200935-18	FST26-MW-44(070221)	Total/NA	Water	8260B	
680-200935-19	FST26-DUP-01(070221)	Total/NA	Water	8260B	
MB 320-506142/9	Method Blank	Total/NA	Water	8260B	
LCS 320-506142/5	Lab Control Sample	Total/NA	Water	8260B	
LCSD 320-506142/6	Lab Control Sample Dup	Total/NA	Water	8260B	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-38(062921)

Lab Sample ID: 680-200935-1

Date Collected: 06/29/21 16:55

Matrix: Water

Date Received: 07/02/21 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	505737	07/12/21 14:16	AP1	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26-MW-54(062921)

Lab Sample ID: 680-200935-2

Date Collected: 06/29/21 16:00

Matrix: Water

Date Received: 07/02/21 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	505737	07/12/21 14:39	AP1	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26-MW-19(062921)

Lab Sample ID: 680-200935-3

Date Collected: 06/29/21 15:10

Matrix: Water

Date Received: 07/02/21 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	505737	07/12/21 15:03	AP1	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26-MW-25R(062921)

Lab Sample ID: 680-200935-4

Date Collected: 06/29/21 12:25

Matrix: Water

Date Received: 07/02/21 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	505737	07/12/21 15:26	AP1	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26-MW-28R(062921)

Lab Sample ID: 680-200935-5

Date Collected: 06/29/21 15:44

Matrix: Water

Date Received: 07/02/21 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	505737	07/12/21 15:49	AP1	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26-MW-36R(062921)

Lab Sample ID: 680-200935-6

Date Collected: 06/29/21 16:36

Matrix: Water

Date Received: 07/02/21 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	505737	07/12/21 16:12	AP1	TAL SAC
Instrument ID: HP10										

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-23(063021)

Lab Sample ID: 680-200935-7

Date Collected: 06/30/21 09:40

Matrix: Water

Date Received: 07/02/21 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	505737	07/12/21 16:35	AP1	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26-MW-56(063021)

Lab Sample ID: 680-200935-8

Date Collected: 06/30/21 10:40

Matrix: Water

Date Received: 07/02/21 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	506142	07/13/21 15:49	SS	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26-MW-50(063021)

Lab Sample ID: 680-200935-9

Date Collected: 06/30/21 16:15

Matrix: Water

Date Received: 07/02/21 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	506142	07/13/21 16:12	SS	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26-MW-42(063021)

Lab Sample ID: 680-200935-10

Date Collected: 06/30/21 14:55

Matrix: Water

Date Received: 07/02/21 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	506142	07/13/21 16:35	SS	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26-MW-52(063021)

Lab Sample ID: 680-200935-11

Date Collected: 06/30/21 13:40

Matrix: Water

Date Received: 07/02/21 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	506142	07/13/21 16:58	SS	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26-MW-51(063021)

Lab Sample ID: 680-200935-12

Date Collected: 06/30/21 13:00

Matrix: Water

Date Received: 07/02/21 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	506142	07/13/21 17:21	SS	TAL SAC
Instrument ID: HP10										

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-39(070121)

Lab Sample ID: 680-200935-13

Date Collected: 07/01/21 12:26

Matrix: Water

Date Received: 07/02/21 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	506142	07/13/21 17:44	SS	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26-MW-53(070121)

Lab Sample ID: 680-200935-14

Date Collected: 07/01/21 13:26

Matrix: Water

Date Received: 07/02/21 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	506142	07/13/21 18:08	SS	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26-MW-43(070121)

Lab Sample ID: 680-200935-15

Date Collected: 07/01/21 14:24

Matrix: Water

Date Received: 07/02/21 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	506142	07/13/21 18:31	SS	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26-MW-57(070121)

Lab Sample ID: 680-200935-16

Date Collected: 07/01/21 16:31

Matrix: Water

Date Received: 07/02/21 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	506142	07/13/21 18:54	SS	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26-MW-55(070221)

Lab Sample ID: 680-200935-17

Date Collected: 07/02/21 09:51

Matrix: Water

Date Received: 07/02/21 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	506142	07/13/21 19:17	SS	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26-MW-44(070221)

Lab Sample ID: 680-200935-18

Date Collected: 07/02/21 10:31

Matrix: Water

Date Received: 07/02/21 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	506142	07/13/21 19:41	SS	TAL SAC
Instrument ID: HP10										

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-DUP-01(070221)

Lab Sample ID: 680-200935-19

Date Collected: 07/02/21 00:00

Matrix: Water

Date Received: 07/02/21 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	506142	07/13/21 20:04	SS	TAL SAC
Instrument ID: HP10										

Client Sample ID: TRIP BLANK

Lab Sample ID: 680-200935-20

Date Collected: 06/29/21 00:00

Matrix: Water

Date Received: 07/02/21 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	506091	07/13/21 15:25	EMJ	TAL SAC
Instrument ID: HP16										

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Chain of Custody Record

244-ATLANTA

Client Information		Sampler J. F. No	Lab PM Lanier, Jerry A	Carrier Tracking No(s)	COC No 680-127106-47308 1
Client Contact IMS Shelby Gibbons		Phone 910-585-3095	E-Mail Jerry.Lanier@Eurofinset.com	State of Origin GA	Page Page 1 of 2
Company ARCADIS U.S., Inc.		Job #			
Address 5420 Wade Park Boulevard Suite 350		Analysis Requested			
City Raleigh	Due Date Requested:				
State Zip NC, 27607	TAT Requested (days):				
Phone	Compliance Project: ☐ Yes ☐ No				
Email sgibbons@arcadis.com	Purchase Order not required				
Project Name Ft. Stewart FST-26	WO #				
Site FST-26	Project # 68014346				
SOW#		SSOW#			
Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Preservation Code	Matrix (W=water, S=solid, O=wastewater, BT=tissue, A=air)
FST26-MW-38(062921)	6/29/21	1655	G		Water
FST26-MW-54(062921)		1600			Water
FST26-MW-19(062921)		1570			Water
FST26-MW-25R(062921)		1825			Water
FST26-MW-28R(062921)		1544			Water
FST26-MW-36R(062921)		1636			Water
FST26-MW-23(063021)	6/30/21	0940			Water
FST26-MW-56(063021)		1040			Water
FST26-MW-50(063021)		1615			Water
FST26-MW-42(063021)		1455			Water
FST26-MW-52(063021)		1340			Water
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological					
Deliverable Requested I, II, III, IV, Other (specify)					
Empty Kit Relinquished by:		Date		Time	
Relinquished by		Date/Time	Company	Received by	
Relinquished by		Date/Time	Company	Received by	
Relinquished by		Date/Time	Company	Received by	
Custody Seals Intact ☐ Yes ☐ No		Custody Seal No.		Cooler Temperature(s) °C and Other Remarks	
				#29 3.1/3.2 Client Drop off	
Ver 11/01/2020					

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-200935-1

Login Number: 200935

List Source: Eurofins TestAmerica, Savannah

List Number: 1

Creator: Mookan, Darmal

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-200935-1

Login Number: 200935

List Source: Eurofins TestAmerica, Sacramento

List Number: 2

List Creation: 07/07/21 04:36 PM

Creator: Cahill, Nicholas P

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1333881
Sample custody seals, if present, are 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 is acceptable.	True	
Cooler Temperature is recorded.	True	1.0c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	False	Headspace larger than 1/4" in one or more vials, one vial with accpt. headspace
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-200935-1

Login Number: 200935

List Source: Eurofins TestAmerica, Sacramento

List Number: 3

List Creation: 07/14/21 08:17 AM

Creator: James, Emily M

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1333881
Sample custody seals, if present, are 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 is acceptable.	True	
Cooler Temperature is recorded.	True	1.0c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	False	Headspace larger than 1/4" in one or more vials
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Laboratory: Eurofins TestAmerica, Sacramento

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2468	01-20-24
Georgia	State	4040	01-29-22

Fort Stewart/FST-26

DATA REVIEW

Savannah, Georgia

Volatile Organic Compounds

SDG # 680-200935-1

Analyses Performed by:
Eurofins TestAmerica
Savannah, GA

Report # 42232R
Review Level: Stage 2
Project: 30047054. FST-26



DATA REVIEW REPORT

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 680-200935-1 for samples collected in association with the Fort Stewart Site, Georgia. The review was conducted as a Tier II evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis
					VOC
FST26-MW-38(062921)	680-200935-1	Water	06/29/21		X
FST26-MW-54(062921)	680-200935-2	Water	06/29/21		X
FST26-MW-19(062921)	680-200935-3	Water	06/29/21		X
FST26-MW-25R(062921)	680-200935-4	Water	06/29/21		X
FST26-MW-28R(062921)	680-200935-5	Water	06/29/21		X
FST26-MW-36R(062921)	680-200935-6	Water	06/29/21		X
FST26-MW-23(063021)	680-200935-7	Water	06/30/21		X
FST26-MW-56(063021)	680-200935-8	Water	06/30/21		X
FST26-MW-50(063021)	680-200935-9	Water	06/30/21		X
FST26-MW-42(063021)	680-200935-10	Water	06/30/21		X
FST26-MW-52(063021)	680-200935-11	Water	06/30/21		X
FST26-MW-51(063021)	680-200935-12	Water	06/30/21		X
FST26-MW-39(070121)	680-200935-13	Water	07/01/21		X
FST26-MW-53(070121)	680-200935-14	Water	07/01/21		X
FST26-MW-43(070121)	680-200935-15	Water	07/01/21		X
FST26-MW-57(070121)	680-200935-16	Water	07/01/21		X
FST26-MW-55(070221)	680-200935-17	Water	07/02/21		X
FST26-MW-44(070221)	680-200935-18	Water	07/02/21		X
FST26-DUP-01(070221)	680-200935-19	Water	07/02/21	FST26-MW-55(070221)	X
TRIP BLANK	680-200935-20	Water	06/29/21		X

Notes:

VOC – volatile organic compounds

DATA REVIEW REPORT

ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed Chain-of-Custody (COC) form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data Package Completeness and Compliance		X		X	

Note:

QA - Quality Assurance

DATA REVIEW REPORT

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW 846 method 8260B. Data were reviewed in accordance with USEPA National Functional Guidelines of October 1999.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
 - U The analyte was not detected and was reported as less than the LOD. The LOD has been adjusted for any dilution or concentration of the sample.
 - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
 - E The compound was quantitated above the calibration range.
 - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
 - J The reported result was an estimated value with an unknown bias.
 - UJ The analyte was not detected and was reported as less than the LOD. However, the associated numerical value is approximate.
 - UB Compound considered non-detect at the listed value due to associated blank contamination.
 - R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

DATA REVIEW REPORT

VOLATILE ORGANIC COMPOUNDS ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8260B	Water	14 days from collection to analysis (preserved) 7 days from collection to analysis (non-preserved)	Cool to <6 °C; preserved to a pH of less than 2 s.u.

All samples were analyzed within the specified holding time criteria.

2. Sample Receipt Condition

The laboratory used VOC vials with headspace greater than 6mm in size for sample TRIP BLANK, due to the need for dilution. The container used for the following sample was previously opened and contained headspace. In case of any deviation, the sample results were qualified as documented in the table below.

Control Limit	Sample Result	Qualification
Bubbles in VOC vials < 6 mm	Non-detect	No Action
	Detect	No Action
Bubbles in VOC vials > 6 mm	Non-detect	UJ
	Detect	J

3. Blank Contamination

Quality assurance (QA) blanks (i.e., method, instrument, and equipment rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Instrument blanks measure carryover in the instrument from one sample to another. Method blanks measure laboratory contamination. Equipment rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank is calculated for QA blanks containing concentrations greater than the Limit of detection (LOD). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the LOD in the associated blanks; therefore, detected sample results were not associated with blank contamination.

4. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

DATA REVIEW REPORT

Samples associated with surrogates exhibiting recoveries outside of the control limits presented in the following table.

Sample ID	Surrogate	Recovery
FST26-MW-28R (062921)	Toluene-d8	>UL
FST26-MW-23(063021)		
FST26-MW-36R (062921)	4-Bromofluoromethane	

Notes:

UL - upper control limit

The criteria used to evaluate the surrogate recoveries are presented in the following table. In the case of a surrogate deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> UL	Non-detect	No Action
	Detect	J
< LL but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J
Surrogates diluted below the calibration curve due to the high concentration of a target compounds	Non-detect	UJ ¹
	Detect	J ¹

Note:

¹ A more concentrated analysis was not performed with surrogate compounds within the calibration range; therefore, no determination of extraction efficiency could be made.

5. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD was performed on the sample FST26-MW-28R (062921). MS/MSD analysis exhibited acceptable recoveries and RPD.

6. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

Samples associated with LCS/LCSD analysis exhibiting recoveries outside of the control limits presented in the following table.

DATA REVIEW REPORT

Sample ID	Compound	LCS Recovery	LCSD Recovery
FST26-MW-38(062921)	Naphthalene	>UL	Acceptable
FST26-MW-54(062921)			
FST26-MW-19(062921)			
FST26-MW-25R (062921)			
FST26-MW-28R (062921)			
FST26-MW-36R (062921)			
FST26-MW-23(062921)			

The criteria used to evaluate the LCS/LCSD recoveries are presented in the following table. In the case of an LCS/LCSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J

7. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 35% for water matrices and 50% for soils is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the LOQ, a control limit of two times the LOQ is applied for water matrices and three times the LOQ for soil matrices.

Results for duplicate samples are summarized in the following table.

Sample ID / Duplicate ID	Compound	Sample Result (µg/L)	Duplicate Result (µg/L)	RPD
FST26-MW-55(070221) / FST26-DUP-01(070221)	Methyl tert-butyl ether	0.71 J	0.70 J	AC

Notes:

AC - acceptable

The calculated RPDs between the parent sample and field duplicate were acceptable

8. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA REVIEW REPORT

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: SW-846 8260B	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X	X		
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks	X				X
C. Trip blanks		X		X	
Laboratory Control Sample (LCS)		X	X		
Laboratory Control Sample Duplicate (LCSD)		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS)		X		X	
Matrix Spike Duplicate (MSD)		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X	X		
Dilution Factor		X		X	

Notes:

%R Percent recovery
 RPD Relative percent difference
 %D Percent difference

DATA REVIEW REPORT

VALIDATION PERFORMED BY: Prashanth K

SIGNATURE:



DATE: July 27, 2021

PEER REVIEW: Todd Church

DATE: July 29, 2021

CHAIN OF CUSTODY

**CORRECTED SAMPLE ANALYSIS DATA
SHEETS**



Chain of Custody Record

Client Information		Sampler J. Fin		Lab PM Lanier, Jerry A		Carrier Tracking No(s)		COC No 680-127106-47308 1	
Client Contact Ms. Shelley Gibbons		Phone 910-585-3095		E-Mail Jerry.Lanier@Eurofinset.com		State of Origin Ge		Page Page 1 of 2	
Company ARCADIS U.S., Inc.		PWSID		Analysis Requested					
Address 5420 Wade Park Boulevard Suite 350		Due Date Requested:		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 8260B_D0D5 - BTEX, MTBE & Naphthalene (Sacramento) 8260B_D0D5 - BTEX, MTBE & Naphthalene (Sacramento) 8260B_D0D5 - TCLP 9040C - pH 1010A - Ignitability, Pensky-Martens Closed Cup 8260B_D0D5 - BTEX, MTBE, Naphthalene Total Number of containers 680-200935 Chain of Custody					
City Raleigh		TAT Requested (days):							
State/Zip NC, 27607		Compliance Project: ☐ Yes ☒ No							
Phone		PO #							
Email sgibbons@arcadis.com		Purchase Order not required							
Project Name Ft. Stewart FST-26		Project # 68014346		Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other:					
Site FST-26		SSOW#							
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Preservation Code		Special Instructions/Note:	
FST26-MW-38(062921)		6/29/21	1655	G	Water	A A N N N A		3	
FST26-MW-54(062921)			1600		Water			3	
FST26-MW-19(062921)			1510		Water			3	
FST26-MW-25R(062921)			1225		Water			3	
FST26-MW-28R(062921)			1544		Water			3	
FST26-MW-36R(062921)			1636		Water			3	
FST26-MW-23(063021)		6/30/21	0940		Water			3	
FST26-MW-56(063021)			1040		Water			3	
FST26-MW-50(063021)			1615		Water			3	
FST26-MW-42(063021)			1455		Water			3	
FST26-MW-52(063021)			1340		Water			3	
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months			
Deliverable Requested I, II, III, IV, Other (specify)						Special Instructions/QC Requirements:			
Empty Kit Relinquished by:		Date		Time		Method of Shipment			
Relinquished by [Signature]		Date/Time 7/2/21 1620		Company		Received by [Signature]		Date/Time 7/2/21 1620	
Relinquished by		Date/Time		Company		Received by		Date/Time	
Relinquished by		Date/Time		Company		Received by		Date/Time	
Custody Seals Intact ☒ Yes ☐ No		Custody Seal No:		Cooler Temperature(s) °C and Other Remarks #29 3.1/3.2 Client Drop off					

244- ATLANTA

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7/16/2021

Definitions/Glossary

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
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.

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
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

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-38(062921)

Lab Sample ID: 680-200935-1

Date Collected: 06/29/21 16:55

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/12/21 14:16	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/12/21 14:16	1
Methyl tert-butyl ether	1.4	J	2.0	0.40	0.19	ug/L		07/12/21 14:16	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/12/21 14:16	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/12/21 14:16	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/12/21 14:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		89 - 112		07/12/21 14:16	1
1,2-Dichloroethane-d4 (Surr)	95		81 - 118		07/12/21 14:16	1
4-Bromofluorobenzene (Surr)	107		85 - 114		07/12/21 14:16	1
Dibromofluoromethane (Surr)	92		80 - 119		07/12/21 14:16	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-54(062921)

Lab Sample ID: 680-200935-2

Date Collected: 06/29/21 16:00

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/12/21 14:39	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/12/21 14:39	1
Methyl tert-butyl ether	1.4	J	2.0	0.40	0.19	ug/L		07/12/21 14:39	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/12/21 14:39	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/12/21 14:39	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/12/21 14:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	112		89 - 112		07/12/21 14:39	1
1,2-Dichloroethane-d4 (Surr)	104		81 - 118		07/12/21 14:39	1
4-Bromofluorobenzene (Surr)	107		85 - 114		07/12/21 14:39	1
Dibromofluoromethane (Surr)	95		80 - 119		07/12/21 14:39	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-19(062921)

Lab Sample ID: 680-200935-3

Date Collected: 06/29/21 15:10

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/12/21 15:03	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/12/21 15:03	1
Methyl tert-butyl ether	0.27	J	2.0	0.40	0.19	ug/L		07/12/21 15:03	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/12/21 15:03	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/12/21 15:03	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/12/21 15:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		89 - 112		07/12/21 15:03	1
1,2-Dichloroethane-d4 (Surr)	102		81 - 118		07/12/21 15:03	1
4-Bromofluorobenzene (Surr)	102		85 - 114		07/12/21 15:03	1
Dibromofluoromethane (Surr)	96		80 - 119		07/12/21 15:03	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-25R(062921)

Lab Sample ID: 680-200935-4

Date Collected: 06/29/21 12:25

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/12/21 15:26	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/12/21 15:26	1
Methyl tert-butyl ether	0.40	U	2.0	0.40	0.19	ug/L		07/12/21 15:26	1
Naphthalene	0.40	U Q	1.0	0.40	0.15	ug/L		07/12/21 15:26	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/12/21 15:26	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/12/21 15:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		89 - 112		07/12/21 15:26	1
1,2-Dichloroethane-d4 (Surr)	102		81 - 118		07/12/21 15:26	1
4-Bromofluorobenzene (Surr)	108		85 - 114		07/12/21 15:26	1
Dibromofluoromethane (Surr)	105		80 - 119		07/12/21 15:26	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-28R(062921)

Lab Sample ID: 680-200935-5

Date Collected: 06/29/21 15:44

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/12/21 15:49	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/12/21 15:49	1
Methyl tert-butyl ether	0.40	U	2.0	0.40	0.19	ug/L		07/12/21 15:49	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/12/21 15:49	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/12/21 15:49	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/12/21 15:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	117	Q	89 - 112		07/12/21 15:49	1
1,2-Dichloroethane-d4 (Surr)	101		81 - 118		07/12/21 15:49	1
4-Bromofluorobenzene (Surr)	106		85 - 114		07/12/21 15:49	1
Dibromofluoromethane (Surr)	97		80 - 119		07/12/21 15:49	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-36R(062921)

Lab Sample ID: 680-200935-6

Date Collected: 06/29/21 16:36

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/12/21 16:12	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/12/21 16:12	1
Methyl tert-butyl ether	1.5	J	2.0	0.40	0.19	ug/L		07/12/21 16:12	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/12/21 16:12	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/12/21 16:12	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/12/21 16:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		89 - 112		07/12/21 16:12	1
1,2-Dichloroethane-d4 (Surr)	103		81 - 118		07/12/21 16:12	1
4-Bromofluorobenzene (Surr)	117	Q	85 - 114		07/12/21 16:12	1
Dibromofluoromethane (Surr)	117		80 - 119		07/12/21 16:12	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-23(063021)

Lab Sample ID: 680-200935-7

Date Collected: 06/30/21 09:40

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/12/21 16:35	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/12/21 16:35	1
Methyl tert-butyl ether	1.1	J	2.0	0.40	0.19	ug/L		07/12/21 16:35	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/12/21 16:35	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/12/21 16:35	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/12/21 16:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	115	Q	89 - 112		07/12/21 16:35	1
1,2-Dichloroethane-d4 (Surr)	100		81 - 118		07/12/21 16:35	1
4-Bromofluorobenzene (Surr)	104		85 - 114		07/12/21 16:35	1
Dibromofluoromethane (Surr)	97		80 - 119		07/12/21 16:35	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-56(063021)

Lab Sample ID: 680-200935-8

Date Collected: 06/30/21 10:40

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/13/21 15:49	1
Ethylbenzene	0.40	U M	1.0	0.40	0.15	ug/L		07/13/21 15:49	1
Methyl tert-butyl ether	2.0		2.0	0.40	0.19	ug/L		07/13/21 15:49	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 15:49	1
Toluene	0.80	U M	1.0	0.80	0.25	ug/L		07/13/21 15:49	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/13/21 15:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		89 - 112		07/13/21 15:49	1
1,2-Dichloroethane-d4 (Surr)	104		81 - 118		07/13/21 15:49	1
4-Bromofluorobenzene (Surr)	109		85 - 114		07/13/21 15:49	1
Dibromofluoromethane (Surr)	101		80 - 119		07/13/21 15:49	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-50(063021)

Lab Sample ID: 680-200935-9

Date Collected: 06/30/21 16:15

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/13/21 16:12	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 16:12	1
Methyl tert-butyl ether	0.94	J	2.0	0.40	0.19	ug/L		07/13/21 16:12	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 16:12	1
Toluene	0.80	U M	1.0	0.80	0.25	ug/L		07/13/21 16:12	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/13/21 16:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		89 - 112		07/13/21 16:12	1
1,2-Dichloroethane-d4 (Surr)	98		81 - 118		07/13/21 16:12	1
4-Bromofluorobenzene (Surr)	104		85 - 114		07/13/21 16:12	1
Dibromofluoromethane (Surr)	93		80 - 119		07/13/21 16:12	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-42(063021)

Lab Sample ID: 680-200935-10

Date Collected: 06/30/21 14:55

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/13/21 16:35	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 16:35	1
Methyl tert-butyl ether	20		2.0	0.40	0.19	ug/L		07/13/21 16:35	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 16:35	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/13/21 16:35	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/13/21 16:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		89 - 112		07/13/21 16:35	1
1,2-Dichloroethane-d4 (Surr)	102		81 - 118		07/13/21 16:35	1
4-Bromofluorobenzene (Surr)	105		85 - 114		07/13/21 16:35	1
Dibromofluoromethane (Surr)	99		80 - 119		07/13/21 16:35	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-52(063021)

Lab Sample ID: 680-200935-11

Date Collected: 06/30/21 13:40

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/13/21 16:58	1
Ethylbenzene	0.40	U M	1.0	0.40	0.15	ug/L		07/13/21 16:58	1
Methyl tert-butyl ether	0.68	J	2.0	0.40	0.19	ug/L		07/13/21 16:58	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 16:58	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/13/21 16:58	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/13/21 16:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		89 - 112		07/13/21 16:58	1
1,2-Dichloroethane-d4 (Surr)	100		81 - 118		07/13/21 16:58	1
4-Bromofluorobenzene (Surr)	108		85 - 114		07/13/21 16:58	1
Dibromofluoromethane (Surr)	94		80 - 119		07/13/21 16:58	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-51(063021)

Lab Sample ID: 680-200935-12

Date Collected: 06/30/21 13:00

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/13/21 17:21	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 17:21	1
Methyl tert-butyl ether	14		2.0	0.40	0.19	ug/L		07/13/21 17:21	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 17:21	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/13/21 17:21	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/13/21 17:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		89 - 112		07/13/21 17:21	1
1,2-Dichloroethane-d4 (Surr)	99		81 - 118		07/13/21 17:21	1
4-Bromofluorobenzene (Surr)	99		85 - 114		07/13/21 17:21	1
Dibromofluoromethane (Surr)	99		80 - 119		07/13/21 17:21	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-39(070121)

Lab Sample ID: 680-200935-13

Date Collected: 07/01/21 12:26

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/13/21 17:44	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 17:44	1
Methyl tert-butyl ether	7.8		2.0	0.40	0.19	ug/L		07/13/21 17:44	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 17:44	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/13/21 17:44	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/13/21 17:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		89 - 112		07/13/21 17:44	1
1,2-Dichloroethane-d4 (Surr)	102		81 - 118		07/13/21 17:44	1
4-Bromofluorobenzene (Surr)	108		85 - 114		07/13/21 17:44	1
Dibromofluoromethane (Surr)	98		80 - 119		07/13/21 17:44	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-53(070121)

Lab Sample ID: 680-200935-14

Date Collected: 07/01/21 13:26

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/13/21 18:08	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 18:08	1
Methyl tert-butyl ether	2.7		2.0	0.40	0.19	ug/L		07/13/21 18:08	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 18:08	1
Toluene	0.80	U M	1.0	0.80	0.25	ug/L		07/13/21 18:08	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/13/21 18:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		89 - 112		07/13/21 18:08	1
1,2-Dichloroethane-d4 (Surr)	104		81 - 118		07/13/21 18:08	1
4-Bromofluorobenzene (Surr)	108		85 - 114		07/13/21 18:08	1
Dibromofluoromethane (Surr)	102		80 - 119		07/13/21 18:08	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-43(070121)

Lab Sample ID: 680-200935-15

Date Collected: 07/01/21 14:24

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/13/21 18:31	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 18:31	1
Methyl tert-butyl ether	49		2.0	0.40	0.19	ug/L		07/13/21 18:31	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 18:31	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/13/21 18:31	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/13/21 18:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		89 - 112		07/13/21 18:31	1
1,2-Dichloroethane-d4 (Surr)	104		81 - 118		07/13/21 18:31	1
4-Bromofluorobenzene (Surr)	102		85 - 114		07/13/21 18:31	1
Dibromofluoromethane (Surr)	100		80 - 119		07/13/21 18:31	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-57(070121)

Lab Sample ID: 680-200935-16

Date Collected: 07/01/21 16:31

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/13/21 18:54	1
Ethylbenzene	0.40	U M	1.0	0.40	0.15	ug/L		07/13/21 18:54	1
Methyl tert-butyl ether	7.7		2.0	0.40	0.19	ug/L		07/13/21 18:54	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 18:54	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/13/21 18:54	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/13/21 18:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		89 - 112		07/13/21 18:54	1
1,2-Dichloroethane-d4 (Surr)	105		81 - 118		07/13/21 18:54	1
4-Bromofluorobenzene (Surr)	108		85 - 114		07/13/21 18:54	1
Dibromofluoromethane (Surr)	98		80 - 119		07/13/21 18:54	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-55(070221)

Lab Sample ID: 680-200935-17

Date Collected: 07/02/21 09:51

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/13/21 19:17	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 19:17	1
Methyl tert-butyl ether	0.71	J M	2.0	0.40	0.19	ug/L		07/13/21 19:17	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 19:17	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/13/21 19:17	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/13/21 19:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		89 - 112		07/13/21 19:17	1
1,2-Dichloroethane-d4 (Surr)	101		81 - 118		07/13/21 19:17	1
4-Bromofluorobenzene (Surr)	101		85 - 114		07/13/21 19:17	1
Dibromofluoromethane (Surr)	91		80 - 119		07/13/21 19:17	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-MW-44(070221)

Lab Sample ID: 680-200935-18

Date Collected: 07/02/21 10:31

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/13/21 19:41	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 19:41	1
Methyl tert-butyl ether	14		2.0	0.40	0.19	ug/L		07/13/21 19:41	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 19:41	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/13/21 19:41	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/13/21 19:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		89 - 112		07/13/21 19:41	1
1,2-Dichloroethane-d4 (Surr)	98		81 - 118		07/13/21 19:41	1
4-Bromofluorobenzene (Surr)	98		85 - 114		07/13/21 19:41	1
Dibromofluoromethane (Surr)	97		80 - 119		07/13/21 19:41	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: FST26-DUP-01(070221)

Lab Sample ID: 680-200935-19

Date Collected: 07/02/21 00:00

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		07/13/21 20:04	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 20:04	1
Methyl tert-butyl ether	0.70	J	2.0	0.40	0.19	ug/L		07/13/21 20:04	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		07/13/21 20:04	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		07/13/21 20:04	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		07/13/21 20:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		89 - 112		07/13/21 20:04	1
1,2-Dichloroethane-d4 (Surr)	106		81 - 118		07/13/21 20:04	1
4-Bromofluorobenzene (Surr)	103		85 - 114		07/13/21 20:04	1
Dibromofluoromethane (Surr)	100		80 - 119		07/13/21 20:04	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Sewart/ FTG-26

Job ID: 680-200935-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 680-200935-20

Date Collected: 06/29/21 00:00

Matrix: Water

Date Received: 07/02/21 16:20

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U H	1.0	0.40	0.13	ug/L		07/13/21 15:25	1
Ethylbenzene	0.40	U H	1.0	0.40	0.15	ug/L		07/13/21 15:25	1
Methyl tert-butyl ether	0.40	U H	2.0	0.40	0.19	ug/L		07/13/21 15:25	1
Naphthalene	0.40	U H	1.0	0.40	0.15	ug/L		07/13/21 15:25	1
Toluene	0.80	U H	1.0	0.80	0.25	ug/L		07/13/21 15:25	1
Xylenes, Total	1.2	U H	1.5	1.2	0.18	ug/L		07/13/21 15:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	112		89 - 112		07/13/21 15:25	1
1,2-Dichloroethane-d4 (Surr)	112		81 - 118		07/13/21 15:25	1
4-Bromofluorobenzene (Surr)	101		85 - 114		07/13/21 15:25	1
Dibromofluoromethane (Surr)	114		80 - 119		07/13/21 15:25	1

ANALYTICAL REPORT

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

Laboratory Job ID: 680-206713-1

Client Project/Site: Ft. Stewart Environmental Remediation
(FST-26)

For:

ARCADIS U.S., Inc.
5420 Wade Park Boulevard
Suite 350
Raleigh, North Carolina 27607

Attn: Scott Bostian



Authorized for release by:
11/15/2021 9:28:56 AM

Jerry Lanier, Project Manager I
(912)250-0281
Jerry.Lanier@Eurofinset.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Job ID: 680-206713-1

Job ID: 680-206713-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

Job Narrative 680-206713-1

Comments

No additional comments.

Receipt

The samples were received on 10/29/2021 4:30 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.1° C.

GC/MS VOA

Method 8260B: Internal standard (ISTD) response for Dioxane-d8 and TBA-d9 for the following samples in analytical batch 320-540893 was outside acceptance criteria: FST26 - MW38 (102821) (680-206713-4), FST26 - MW19 (102821) (680-206713-8), FST26 - MW14 (102721) (680-206713-15), DUP-02 (102821) (680-206713-23), (CCV 320-540893/4) and (LCSD 320-540893/6). This ISTD does not correspond to any of the requested target compounds reported from this analytical batch; therefore, the data have been reported.

Method 8260B: Internal standard (ISTD) response for Dioxane-d8 for the following samples in analytical batch 320-540893 was outside acceptance criteria: FST26 - MW56 (102821) (680-206713-9), FST26 - MW25R (102921) (680-206713-20), (CCVC 320-540893/31) and (LCS 320-540893/5). This ISTD does not correspond to any of the requested target compounds reported from this analytical batch; therefore, the data have been reported.

Method 8260B: Internal standard (ISTD) response for TBA-d9 for the following samples in analytical batch 320-540897 was outside acceptance criteria: DUP-01 (102721) (680-206713-22). This ISTD does not correspond to any of the requested target compounds reported from this analytical batch; therefore, the data have been reported.

Method 8260B: The continuing calibration verification (CCV) associated with analytical batch 320-540893 recovered outside the control limit of +/-20% for Naphthalene. Naphthalene has been classified as a poor performing analyte. The acceptance limits of +/-30% are applied to this analyte per client's approval.

(CCV 320-540893/4)

Method 8260B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 320-540893 recovered outside control limits for the following analytes: Naphthalene.

Method 8260B: The following volatiles samples were diluted due to color and foaming at the time of purging during the original sample analysis: FST26 - MW13 (102821) (680-206713-11), FST26 - MW03 (102721) (680-206713-13), FST26 - MW12 (102721) (680-206713-14), FST26 - MW14 (102721) (680-206713-15) and FST26 - MW22 (102921) (680-206713-21). Elevated reporting limits (RLs) are provided.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batches 320-540893, and 320-540897.

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

Sample Summary

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-206713-1	FST26 - MW36R (102721)	Water	10/27/21 15:46	10/29/21 16:30
680-206713-2	FST26 - MW28R (102721)	Water	10/27/21 14:31	10/29/21 16:30
680-206713-3	FST26 - MW55 (102721)	Water	10/27/21 17:21	10/29/21 16:30
680-206713-4	FST26 - MW38 (102821)	Water	10/28/21 10:31	10/29/21 16:30
680-206713-5	FST26 - MW54 (102821)	Water	10/28/21 11:28	10/29/21 16:30
680-206713-6	FST26 - MW44 (102821)	Water	10/28/21 14:26	10/29/21 16:30
680-206713-7	FST26 - MW57 (102821)	Water	10/28/21 15:24	10/29/21 16:30
680-206713-8	FST26 - MW19 (102821)	Water	10/28/21 16:44	10/29/21 16:30
680-206713-9	FST26 - MW56 (102821)	Water	10/28/21 17:48	10/29/21 16:30
680-206713-10	FST26 - MW05 (102821)	Water	10/28/21 13:11	10/29/21 16:30
680-206713-11	FST26 - MW13 (102821)	Water	10/28/21 16:26	10/29/21 16:30
680-206713-12	FST26 - MW23 (102821)	Water	10/28/21 17:36	10/29/21 16:30
680-206713-13	FST26 - MW03 (102721)	Water	10/27/21 15:55	10/29/21 16:30
680-206713-14	FST26 - MW12 (102721)	Water	10/27/21 17:00	10/29/21 16:30
680-206713-15	FST26 - MW14 (102721)	Water	10/27/21 14:30	10/29/21 16:30
680-206713-16	FST26 - MW39 (102821)	Water	10/28/21 10:25	10/29/21 16:30
680-206713-17	FST26 - MW50 (102821)	Water	10/28/21 13:00	10/29/21 16:30
680-206713-18	FST26 - MW51 (102821)	Water	10/28/21 11:18	10/29/21 16:30
680-206713-19	FST26 - MW52 (102821)	Water	10/28/21 11:55	10/29/21 16:30
680-206713-20	FST26 - MW25R (102921)	Water	10/29/21 10:44	10/29/21 16:30
680-206713-21	FST26 - MW22 (102921)	Water	10/29/21 11:52	10/29/21 16:30
680-206713-22	DUP-01 (102721)	Water	10/27/21 00:00	10/29/21 16:30
680-206713-23	DUP-02 (102821)	Water	10/28/21 00:00	10/29/21 16:30
680-206713-24	TRIP BLANK (102721)	Water	10/27/21 00:00	10/29/21 16:30

Method Summary

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAC
5030B	Purge and Trap	SW846	TAL SAC

Protocol References:

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

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Definitions/Glossary

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
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.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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
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

Detection Summary

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW36R (102721)

Lab Sample ID: 680-206713-1

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.53	J M	2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: FST26 - MW28R (102721)

Lab Sample ID: 680-206713-2

No Detections.

Client Sample ID: FST26 - MW55 (102721)

Lab Sample ID: 680-206713-3

No Detections.

Client Sample ID: FST26 - MW38 (102821)

Lab Sample ID: 680-206713-4

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	2.9		2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: FST26 - MW54 (102821)

Lab Sample ID: 680-206713-5

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	2.5		2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: FST26 - MW44 (102821)

Lab Sample ID: 680-206713-6

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	15		2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: FST26 - MW57 (102821)

Lab Sample ID: 680-206713-7

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	11		2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: FST26 - MW19 (102821)

Lab Sample ID: 680-206713-8

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.24	J	2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: FST26 - MW56 (102821)

Lab Sample ID: 680-206713-9

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	4.4		2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: FST26 - MW05 (102821)

Lab Sample ID: 680-206713-10

No Detections.

Client Sample ID: FST26 - MW13 (102821)

Lab Sample ID: 680-206713-11

No Detections.

Client Sample ID: FST26 - MW23 (102821)

Lab Sample ID: 680-206713-12

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.86	J	2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: FST26 - MW03 (102721)

Lab Sample ID: 680-206713-13

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Savannah

Detection Summary

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW12 (102721)

Lab Sample ID: 680-206713-14

No Detections.

Client Sample ID: FST26 - MW14 (102721)

Lab Sample ID: 680-206713-15

No Detections.

Client Sample ID: FST26 - MW39 (102821)

Lab Sample ID: 680-206713-16

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	9.2		2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: FST26 - MW50 (102821)

Lab Sample ID: 680-206713-17

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.73	J	2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: FST26 - MW51 (102821)

Lab Sample ID: 680-206713-18

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	16		2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: FST26 - MW52 (102821)

Lab Sample ID: 680-206713-19

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.73	J	2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: FST26 - MW25R (102921)

Lab Sample ID: 680-206713-20

No Detections.

Client Sample ID: FST26 - MW22 (102921)

Lab Sample ID: 680-206713-21

No Detections.

Client Sample ID: DUP-01 (102721)

Lab Sample ID: 680-206713-22

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.85	J	2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: DUP-02 (102821)

Lab Sample ID: 680-206713-23

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	2.6		2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: TRIP BLANK (102721)

Lab Sample ID: 680-206713-24

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Savannah

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW36R (102721)

Lab Sample ID: 680-206713-1

Date Collected: 10/27/21 15:46

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/06/21 15:04	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/06/21 15:04	1
Methyl tert-butyl ether	0.53	J M	2.0	0.40	0.19	ug/L		11/06/21 15:04	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		11/06/21 15:04	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/06/21 15:04	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/06/21 15:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		89 - 112		11/06/21 15:04	1
1,2-Dichloroethane-d4 (Surr)	98		81 - 118		11/06/21 15:04	1
4-Bromofluorobenzene (Surr)	100		85 - 114		11/06/21 15:04	1
Dibromofluoromethane (Surr)	97		80 - 119		11/06/21 15:04	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW28R (102721)

Lab Sample ID: 680-206713-2

Date Collected: 10/27/21 14:31

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/06/21 15:27	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/06/21 15:27	1
Methyl tert-butyl ether	0.40	U	2.0	0.40	0.19	ug/L		11/06/21 15:27	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		11/06/21 15:27	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/06/21 15:27	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/06/21 15:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		89 - 112		11/06/21 15:27	1
1,2-Dichloroethane-d4 (Surr)	99		81 - 118		11/06/21 15:27	1
4-Bromofluorobenzene (Surr)	100		85 - 114		11/06/21 15:27	1
Dibromofluoromethane (Surr)	97		80 - 119		11/06/21 15:27	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW55 (102721)

Lab Sample ID: 680-206713-3

Date Collected: 10/27/21 17:21

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 13:30	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 13:30	1
Methyl tert-butyl ether	0.40	U	2.0	0.40	0.19	ug/L		11/08/21 13:30	1
Naphthalene	0.40	U Q	1.0	0.40	0.15	ug/L		11/08/21 13:30	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 13:30	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 13:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		89 - 112		11/08/21 13:30	1
1,2-Dichloroethane-d4 (Surr)	103		81 - 118		11/08/21 13:30	1
4-Bromofluorobenzene (Surr)	102		85 - 114		11/08/21 13:30	1
Dibromofluoromethane (Surr)	99		80 - 119		11/08/21 13:30	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW38 (102821)

Lab Sample ID: 680-206713-4

Date Collected: 10/28/21 10:31

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 13:53	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 13:53	1
Methyl tert-butyl ether	2.9		2.0	0.40	0.19	ug/L		11/08/21 13:53	1
Naphthalene	0.40	U Q	1.0	0.40	0.15	ug/L		11/08/21 13:53	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 13:53	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 13:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		89 - 112		11/08/21 13:53	1
1,2-Dichloroethane-d4 (Surr)	97		81 - 118		11/08/21 13:53	1
4-Bromofluorobenzene (Surr)	99		85 - 114		11/08/21 13:53	1
Dibromofluoromethane (Surr)	99		80 - 119		11/08/21 13:53	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW54 (102821)

Lab Sample ID: 680-206713-5

Date Collected: 10/28/21 11:28

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 14:16	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 14:16	1
Methyl tert-butyl ether	2.5		2.0	0.40	0.19	ug/L		11/08/21 14:16	1
Naphthalene	0.40	U Q	1.0	0.40	0.15	ug/L		11/08/21 14:16	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 14:16	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 14:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		89 - 112		11/08/21 14:16	1
1,2-Dichloroethane-d4 (Surr)	101		81 - 118		11/08/21 14:16	1
4-Bromofluorobenzene (Surr)	103		85 - 114		11/08/21 14:16	1
Dibromofluoromethane (Surr)	101		80 - 119		11/08/21 14:16	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW44 (102821)

Lab Sample ID: 680-206713-6

Date Collected: 10/28/21 14:26

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 14:39	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 14:39	1
Methyl tert-butyl ether	15		2.0	0.40	0.19	ug/L		11/08/21 14:39	1
Naphthalene	0.40	U Q	1.0	0.40	0.15	ug/L		11/08/21 14:39	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 14:39	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 14:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		89 - 112		11/08/21 14:39	1
1,2-Dichloroethane-d4 (Surr)	100		81 - 118		11/08/21 14:39	1
4-Bromofluorobenzene (Surr)	98		85 - 114		11/08/21 14:39	1
Dibromofluoromethane (Surr)	97		80 - 119		11/08/21 14:39	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW57 (102821)

Lab Sample ID: 680-206713-7

Date Collected: 10/28/21 15:24

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 15:02	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 15:02	1
Methyl tert-butyl ether	11		2.0	0.40	0.19	ug/L		11/08/21 15:02	1
Naphthalene	0.40	U Q	1.0	0.40	0.15	ug/L		11/08/21 15:02	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 15:02	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 15:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		89 - 112		11/08/21 15:02	1
1,2-Dichloroethane-d4 (Surr)	101		81 - 118		11/08/21 15:02	1
4-Bromofluorobenzene (Surr)	102		85 - 114		11/08/21 15:02	1
Dibromofluoromethane (Surr)	98		80 - 119		11/08/21 15:02	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW19 (102821)

Lab Sample ID: 680-206713-8

Date Collected: 10/28/21 16:44

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 15:25	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 15:25	1
Methyl tert-butyl ether	0.24	J	2.0	0.40	0.19	ug/L		11/08/21 15:25	1
Naphthalene	0.40	U Q	1.0	0.40	0.15	ug/L		11/08/21 15:25	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 15:25	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 15:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		89 - 112		11/08/21 15:25	1
1,2-Dichloroethane-d4 (Surr)	100		81 - 118		11/08/21 15:25	1
4-Bromofluorobenzene (Surr)	100		85 - 114		11/08/21 15:25	1
Dibromofluoromethane (Surr)	100		80 - 119		11/08/21 15:25	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW56 (102821)

Lab Sample ID: 680-206713-9

Date Collected: 10/28/21 17:48

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 15:48	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 15:48	1
Methyl tert-butyl ether	4.4		2.0	0.40	0.19	ug/L		11/08/21 15:48	1
Naphthalene	0.40	U Q	1.0	0.40	0.15	ug/L		11/08/21 15:48	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 15:48	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 15:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		89 - 112		11/08/21 15:48	1
1,2-Dichloroethane-d4 (Surr)	102		81 - 118		11/08/21 15:48	1
4-Bromofluorobenzene (Surr)	101		85 - 114		11/08/21 15:48	1
Dibromofluoromethane (Surr)	99		80 - 119		11/08/21 15:48	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW05 (102821)

Lab Sample ID: 680-206713-10

Date Collected: 10/28/21 13:11

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 16:10	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 16:10	1
Methyl tert-butyl ether	0.40	U	2.0	0.40	0.19	ug/L		11/08/21 16:10	1
Naphthalene	0.40	U Q	1.0	0.40	0.15	ug/L		11/08/21 16:10	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 16:10	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 16:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		89 - 112		11/08/21 16:10	1
1,2-Dichloroethane-d4 (Surr)	101		81 - 118		11/08/21 16:10	1
4-Bromofluorobenzene (Surr)	100		85 - 114		11/08/21 16:10	1
Dibromofluoromethane (Surr)	98		80 - 119		11/08/21 16:10	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW13 (102821)

Lab Sample ID: 680-206713-11

Date Collected: 10/28/21 16:26

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	2.0	U	5.0	2.0	0.65	ug/L		11/08/21 19:21	5
Ethylbenzene	2.0	U	5.0	2.0	0.75	ug/L		11/08/21 19:21	5
Methyl tert-butyl ether	2.0	U	10	2.0	0.95	ug/L		11/08/21 19:21	5
Naphthalene	2.0	U Q	5.0	2.0	0.75	ug/L		11/08/21 19:21	5
Toluene	4.0	U	5.0	4.0	1.3	ug/L		11/08/21 19:21	5
Xylenes, Total	6.0	U	7.5	6.0	0.90	ug/L		11/08/21 19:21	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		89 - 112		11/08/21 19:21	5
1,2-Dichloroethane-d4 (Surr)	100		81 - 118		11/08/21 19:21	5
4-Bromofluorobenzene (Surr)	100		85 - 114		11/08/21 19:21	5
Dibromofluoromethane (Surr)	97		80 - 119		11/08/21 19:21	5

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW23 (102821)

Lab Sample ID: 680-206713-12

Date Collected: 10/28/21 17:36

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 16:41	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 16:41	1
Methyl tert-butyl ether	0.86	J	2.0	0.40	0.19	ug/L		11/08/21 16:41	1
Naphthalene	0.40	U Q	1.0	0.40	0.15	ug/L		11/08/21 16:41	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 16:41	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 16:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		89 - 112		11/08/21 16:41	1
1,2-Dichloroethane-d4 (Surr)	101		81 - 118		11/08/21 16:41	1
4-Bromofluorobenzene (Surr)	101		85 - 114		11/08/21 16:41	1
Dibromofluoromethane (Surr)	97		80 - 119		11/08/21 16:41	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW03 (102721)

Lab Sample ID: 680-206713-13

Date Collected: 10/27/21 15:55

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	2.0	U	5.0	2.0	0.65	ug/L		11/08/21 19:44	5
Ethylbenzene	2.0	U	5.0	2.0	0.75	ug/L		11/08/21 19:44	5
Methyl tert-butyl ether	2.0	U	10	2.0	0.95	ug/L		11/08/21 19:44	5
Naphthalene	2.0	U Q	5.0	2.0	0.75	ug/L		11/08/21 19:44	5
Toluene	4.0	U	5.0	4.0	1.3	ug/L		11/08/21 19:44	5
Xylenes, Total	6.0	U	7.5	6.0	0.90	ug/L		11/08/21 19:44	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		89 - 112		11/08/21 19:44	5
1,2-Dichloroethane-d4 (Surr)	99		81 - 118		11/08/21 19:44	5
4-Bromofluorobenzene (Surr)	99		85 - 114		11/08/21 19:44	5
Dibromofluoromethane (Surr)	94		80 - 119		11/08/21 19:44	5

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW12 (102721)

Lab Sample ID: 680-206713-14

Date Collected: 10/27/21 17:00

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	2.0	U	5.0	2.0	0.65	ug/L		11/08/21 20:07	5
Ethylbenzene	2.0	U	5.0	2.0	0.75	ug/L		11/08/21 20:07	5
Methyl tert-butyl ether	2.0	U	10	2.0	0.95	ug/L		11/08/21 20:07	5
Naphthalene	2.0	U Q	5.0	2.0	0.75	ug/L		11/08/21 20:07	5
Toluene	4.0	U	5.0	4.0	1.3	ug/L		11/08/21 20:07	5
Xylenes, Total	6.0	U	7.5	6.0	0.90	ug/L		11/08/21 20:07	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		89 - 112		11/08/21 20:07	5
1,2-Dichloroethane-d4 (Surr)	101		81 - 118		11/08/21 20:07	5
4-Bromofluorobenzene (Surr)	98		85 - 114		11/08/21 20:07	5
Dibromofluoromethane (Surr)	97		80 - 119		11/08/21 20:07	5

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW14 (102721)

Lab Sample ID: 680-206713-15

Date Collected: 10/27/21 14:30

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	2.0	U	5.0	2.0	0.65	ug/L		11/08/21 20:30	5
Ethylbenzene	2.0	U	5.0	2.0	0.75	ug/L		11/08/21 20:30	5
Methyl tert-butyl ether	2.0	U	10	2.0	0.95	ug/L		11/08/21 20:30	5
Naphthalene	2.0	U Q	5.0	2.0	0.75	ug/L		11/08/21 20:30	5
Toluene	4.0	U	5.0	4.0	1.3	ug/L		11/08/21 20:30	5
Xylenes, Total	6.0	U	7.5	6.0	0.90	ug/L		11/08/21 20:30	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		89 - 112		11/08/21 20:30	5
1,2-Dichloroethane-d4 (Surr)	95		81 - 118		11/08/21 20:30	5
4-Bromofluorobenzene (Surr)	96		85 - 114		11/08/21 20:30	5
Dibromofluoromethane (Surr)	95		80 - 119		11/08/21 20:30	5

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW39 (102821)

Lab Sample ID: 680-206713-16

Date Collected: 10/28/21 10:25

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 17:04	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 17:04	1
Methyl tert-butyl ether	9.2		2.0	0.40	0.19	ug/L		11/08/21 17:04	1
Naphthalene	0.40	U Q	1.0	0.40	0.15	ug/L		11/08/21 17:04	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 17:04	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 17:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		89 - 112		11/08/21 17:04	1
1,2-Dichloroethane-d4 (Surr)	97		81 - 118		11/08/21 17:04	1
4-Bromofluorobenzene (Surr)	100		85 - 114		11/08/21 17:04	1
Dibromofluoromethane (Surr)	94		80 - 119		11/08/21 17:04	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW50 (102821)

Lab Sample ID: 680-206713-17

Date Collected: 10/28/21 13:00

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 17:27	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 17:27	1
Methyl tert-butyl ether	0.73	J	2.0	0.40	0.19	ug/L		11/08/21 17:27	1
Naphthalene	0.40	U Q	1.0	0.40	0.15	ug/L		11/08/21 17:27	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 17:27	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 17:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		89 - 112		11/08/21 17:27	1
1,2-Dichloroethane-d4 (Surr)	99		81 - 118		11/08/21 17:27	1
4-Bromofluorobenzene (Surr)	100		85 - 114		11/08/21 17:27	1
Dibromofluoromethane (Surr)	94		80 - 119		11/08/21 17:27	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW51 (102821)

Lab Sample ID: 680-206713-18

Date Collected: 10/28/21 11:18

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 17:50	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 17:50	1
Methyl tert-butyl ether	16		2.0	0.40	0.19	ug/L		11/08/21 17:50	1
Naphthalene	0.40	U Q	1.0	0.40	0.15	ug/L		11/08/21 17:50	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 17:50	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 17:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		89 - 112		11/08/21 17:50	1
1,2-Dichloroethane-d4 (Surr)	98		81 - 118		11/08/21 17:50	1
4-Bromofluorobenzene (Surr)	97		85 - 114		11/08/21 17:50	1
Dibromofluoromethane (Surr)	94		80 - 119		11/08/21 17:50	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW52 (102821)

Lab Sample ID: 680-206713-19

Date Collected: 10/28/21 11:55

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 18:13	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 18:13	1
Methyl tert-butyl ether	0.73	J	2.0	0.40	0.19	ug/L		11/08/21 18:13	1
Naphthalene	0.40	U Q	1.0	0.40	0.15	ug/L		11/08/21 18:13	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 18:13	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 18:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		89 - 112		11/08/21 18:13	1
1,2-Dichloroethane-d4 (Surr)	99		81 - 118		11/08/21 18:13	1
4-Bromofluorobenzene (Surr)	99		85 - 114		11/08/21 18:13	1
Dibromofluoromethane (Surr)	97		80 - 119		11/08/21 18:13	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW25R (102921)

Lab Sample ID: 680-206713-20

Date Collected: 10/29/21 10:44

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 18:36	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 18:36	1
Methyl tert-butyl ether	0.40	U	2.0	0.40	0.19	ug/L		11/08/21 18:36	1
Naphthalene	0.40	U Q	1.0	0.40	0.15	ug/L		11/08/21 18:36	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 18:36	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 18:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		89 - 112		11/08/21 18:36	1
1,2-Dichloroethane-d4 (Surr)	99		81 - 118		11/08/21 18:36	1
4-Bromofluorobenzene (Surr)	98		85 - 114		11/08/21 18:36	1
Dibromofluoromethane (Surr)	97		80 - 119		11/08/21 18:36	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW22 (102921)

Lab Sample ID: 680-206713-21

Date Collected: 10/29/21 11:52

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	2.0	U	5.0	2.0	0.65	ug/L		11/08/21 20:53	5
Ethylbenzene	2.0	U	5.0	2.0	0.75	ug/L		11/08/21 20:53	5
Methyl tert-butyl ether	2.0	U	10	2.0	0.95	ug/L		11/08/21 20:53	5
Naphthalene	2.0	U Q	5.0	2.0	0.75	ug/L		11/08/21 20:53	5
Toluene	4.0	U	5.0	4.0	1.3	ug/L		11/08/21 20:53	5
Xylenes, Total	6.0	U	7.5	6.0	0.90	ug/L		11/08/21 20:53	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		89 - 112		11/08/21 20:53	5
1,2-Dichloroethane-d4 (Surr)	98		81 - 118		11/08/21 20:53	5
4-Bromofluorobenzene (Surr)	98		85 - 114		11/08/21 20:53	5
Dibromofluoromethane (Surr)	94		80 - 119		11/08/21 20:53	5

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: DUP-01 (102721)

Lab Sample ID: 680-206713-22

Date Collected: 10/27/21 00:00

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U M	1.0	0.40	0.13	ug/L		11/08/21 17:36	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 17:36	1
Methyl tert-butyl ether	0.85	J	2.0	0.40	0.19	ug/L		11/08/21 17:36	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 17:36	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 17:36	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 17:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		89 - 112		11/08/21 17:36	1
1,2-Dichloroethane-d4 (Surr)	100		81 - 118		11/08/21 17:36	1
4-Bromofluorobenzene (Surr)	106		85 - 114		11/08/21 17:36	1
Dibromofluoromethane (Surr)	115		80 - 119		11/08/21 17:36	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: DUP-02 (102821)

Lab Sample ID: 680-206713-23

Date Collected: 10/28/21 00:00

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 18:59	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 18:59	1
Methyl tert-butyl ether	2.6		2.0	0.40	0.19	ug/L		11/08/21 18:59	1
Naphthalene	0.40	U Q	1.0	0.40	0.15	ug/L		11/08/21 18:59	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 18:59	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 18:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		89 - 112		11/08/21 18:59	1
1,2-Dichloroethane-d4 (Surr)	96		81 - 118		11/08/21 18:59	1
4-Bromofluorobenzene (Surr)	98		85 - 114		11/08/21 18:59	1
Dibromofluoromethane (Surr)	97		80 - 119		11/08/21 18:59	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: TRIP BLANK (102721)

Lab Sample ID: 680-206713-24

Date Collected: 10/27/21 00:00

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 14:10	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 14:10	1
Methyl tert-butyl ether	0.40	U	2.0	0.40	0.19	ug/L		11/08/21 14:10	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 14:10	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 14:10	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 14:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		89 - 112		11/08/21 14:10	1
1,2-Dichloroethane-d4 (Surr)	106		81 - 118		11/08/21 14:10	1
4-Bromofluorobenzene (Surr)	109		85 - 114		11/08/21 14:10	1
Dibromofluoromethane (Surr)	104		80 - 119		11/08/21 14:10	1

Surrogate Summary

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (89-112)	DCA (81-118)	BFB (85-114)	DBFM (80-119)
680-206713-1	FST26 - MW36R (102721)	102	98	100	97
680-206713-2	FST26 - MW28R (102721)	102	99	100	97
680-206713-2 MS	FST26 - MW28R (102721)	103	96	99	99
680-206713-2 MSD	FST26 - MW28R (102721)	104	98	99	101
680-206713-3	FST26 - MW55 (102721)	103	103	102	99
680-206713-4	FST26 - MW38 (102821)	103	97	99	99
680-206713-5	FST26 - MW54 (102821)	103	101	103	101
680-206713-6	FST26 - MW44 (102821)	102	100	98	97
680-206713-7	FST26 - MW57 (102821)	102	101	102	98
680-206713-8	FST26 - MW19 (102821)	103	100	100	100
680-206713-9	FST26 - MW56 (102821)	103	102	101	99
680-206713-10	FST26 - MW05 (102821)	103	101	100	98
680-206713-11	FST26 - MW13 (102821)	101	100	100	97
680-206713-12	FST26 - MW23 (102821)	99	101	101	97
680-206713-13	FST26 - MW03 (102721)	100	99	99	94
680-206713-14	FST26 - MW12 (102721)	98	101	98	97
680-206713-15	FST26 - MW14 (102721)	99	95	96	95
680-206713-16	FST26 - MW39 (102821)	100	97	100	94
680-206713-17	FST26 - MW50 (102821)	99	99	100	94
680-206713-18	FST26 - MW51 (102821)	100	98	97	94
680-206713-19	FST26 - MW52 (102821)	100	99	99	97
680-206713-20	FST26 - MW25R (102921)	99	99	98	97
680-206713-21	FST26 - MW22 (102921)	98	98	98	94
680-206713-22	DUP-01 (102721)	103	100	106	115
680-206713-23	DUP-02 (102821)	101	96	98	97
680-206713-24	TRIP BLANK (102721)	103	106	109	104
LCS 320-540556/3	Lab Control Sample	103	95	101	100
LCS 320-540893/5	Lab Control Sample	104	98	101	101
LCS 320-540897/6	Lab Control Sample	104	100	110	112
LCSD 320-540556/4	Lab Control Sample Dup	103	95	101	101
LCSD 320-540893/6	Lab Control Sample Dup	102	87	101	97
LCSD 320-540897/7	Lab Control Sample Dup	104	102	110	115
MB 320-540556/7	Method Blank	102	101	100	97
MB 320-540893/10	Method Blank	103	100	102	99
MB 320-540897/10	Method Blank	104	107	111	98

Surrogate Legend

TOL = Toluene-d8 (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

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

Lab Sample ID: MB 320-540556/7

Matrix: Water

Analysis Batch: 540556

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/06/21 11:15	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/06/21 11:15	1
Methyl tert-butyl ether	0.40	U	2.0	0.40	0.19	ug/L		11/06/21 11:15	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		11/06/21 11:15	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/06/21 11:15	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/06/21 11:15	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	102		89 - 112		11/06/21 11:15	1
1,2-Dichloroethane-d4 (Surr)	101		81 - 118		11/06/21 11:15	1
4-Bromofluorobenzene (Surr)	100		85 - 114		11/06/21 11:15	1
Dibromofluoromethane (Surr)	97		80 - 119		11/06/21 11:15	1

Lab Sample ID: LCS 320-540556/3

Matrix: Water

Analysis Batch: 540556

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits	
		Result	Qualifier					
Benzene	20.0	21.1		ug/L		106	79 - 120	
Ethylbenzene	20.0	19.3		ug/L		97	79 - 121	
Methyl tert-butyl ether	20.0	19.7		ug/L		98	71 - 124	
Naphthalene	20.0	18.1		ug/L		90	61 - 128	
Toluene	20.0	21.1		ug/L		105	80 - 121	
Xylenes, Total	40.0	37.4		ug/L		94	79 - 121	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	103		89 - 112
1,2-Dichloroethane-d4 (Surr)	95		81 - 118
4-Bromofluorobenzene (Surr)	101		85 - 114
Dibromofluoromethane (Surr)	100		80 - 119

Lab Sample ID: LCSD 320-540556/4

Matrix: Water

Analysis Batch: 540556

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec. Limits		RPD	Limit
		Result	Qualifier							
Benzene	20.0	21.0		ug/L		105	79 - 120		1	20
Ethylbenzene	20.0	19.2		ug/L		96	79 - 121		0	20
Methyl tert-butyl ether	20.0	20.0		ug/L		100	71 - 124		2	20
Naphthalene	20.0	19.0		ug/L		95	61 - 128		5	20
Toluene	20.0	20.9		ug/L		105	80 - 121		1	20
Xylenes, Total	40.0	37.8		ug/L		95	79 - 121		1	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	103		89 - 112
1,2-Dichloroethane-d4 (Surr)	95		81 - 118
4-Bromofluorobenzene (Surr)	101		85 - 114

Eurofins TestAmerica, Savannah

QC Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

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

Lab Sample ID: LCSD 320-540556/4

Matrix: Water

Analysis Batch: 540556

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane (Surr)	101		80 - 119

Lab Sample ID: 680-206713-2 MS

Matrix: Water

Analysis Batch: 540556

Client Sample ID: FST26 - MW28R (102721)

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.40	U	23.3	26.2		ug/L		113	79 - 120
Ethylbenzene	0.40	U	23.3	23.6		ug/L		102	79 - 121
Methyl tert-butyl ether	0.40	U	23.3	23.6		ug/L		102	71 - 124
Naphthalene	0.40	U	23.3	21.8		ug/L		94	61 - 128
Toluene	0.80	U	23.3	26.0		ug/L		112	80 - 121
Xylenes, Total	1.2	U	46.5	45.7		ug/L		98	79 - 121

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
Toluene-d8 (Surr)	103		89 - 112
1,2-Dichloroethane-d4 (Surr)	96		81 - 118
4-Bromofluorobenzene (Surr)	99		85 - 114
Dibromofluoromethane (Surr)	99		80 - 119

Lab Sample ID: 680-206713-2 MSD

Matrix: Water

Analysis Batch: 540556

Client Sample ID: FST26 - MW28R (102721)

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.40	U	23.3	26.6		ug/L		115	79 - 120	2	20
Ethylbenzene	0.40	U	23.3	23.6		ug/L		102	79 - 121	0	20
Methyl tert-butyl ether	0.40	U	23.3	24.2		ug/L		104	71 - 124	2	20
Naphthalene	0.40	U	23.3	21.1		ug/L		91	61 - 128	3	20
Toluene	0.80	U	23.3	26.5		ug/L		114	80 - 121	2	20
Xylenes, Total	1.2	U	46.5	45.8		ug/L		98	79 - 121	0	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
Toluene-d8 (Surr)	104		89 - 112
1,2-Dichloroethane-d4 (Surr)	98		81 - 118
4-Bromofluorobenzene (Surr)	99		85 - 114
Dibromofluoromethane (Surr)	101		80 - 119

Lab Sample ID: MB 320-540893/10

Matrix: Water

Analysis Batch: 540893

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 13:07	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 13:07	1
Methyl tert-butyl ether	0.40	U	2.0	0.40	0.19	ug/L		11/08/21 13:07	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 13:07	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 13:07	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

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

Lab Sample ID: MB 320-540893/10

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 540893

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 13:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		89 - 112		11/08/21 13:07	1
1,2-Dichloroethane-d4 (Surr)	100		81 - 118		11/08/21 13:07	1
4-Bromofluorobenzene (Surr)	102		85 - 114		11/08/21 13:07	1
Dibromofluoromethane (Surr)	99		80 - 119		11/08/21 13:07	1

Lab Sample ID: LCS 320-540893/5

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 540893

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.0	20.8		ug/L		104	79 - 120
Ethylbenzene	20.0	18.8		ug/L		94	79 - 121
Methyl tert-butyl ether	20.0	20.2		ug/L		101	71 - 124
Naphthalene	20.0	18.9		ug/L		95	61 - 128
Toluene	20.0	21.2		ug/L		106	80 - 121
Xylenes, Total	40.0	36.9		ug/L		92	79 - 121

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

Lab Sample ID: LCSD 320-540893/6

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 540893

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	20.0	20.4		ug/L		102	79 - 120	2	20
Ethylbenzene	20.0	18.9		ug/L		94	79 - 121	0	20
Methyl tert-butyl ether	20.0	18.2		ug/L		91	71 - 124	11	20
Naphthalene	20.0	14.5	Q	ug/L		73	61 - 128	26	20
Toluene	20.0	20.7		ug/L		104	80 - 121	2	20
Xylenes, Total	40.0	36.6		ug/L		92	79 - 121	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	102		89 - 112
1,2-Dichloroethane-d4 (Surr)	87		81 - 118
4-Bromofluorobenzene (Surr)	101		85 - 114
Dibromofluoromethane (Surr)	97		80 - 119

QC Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

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

Lab Sample ID: MB 320-540897/10

Matrix: Water

Analysis Batch: 540897

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 13:02	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 13:02	1
Methyl tert-butyl ether	0.40	U	2.0	0.40	0.19	ug/L		11/08/21 13:02	1
Naphthalene	0.40	U M	1.0	0.40	0.15	ug/L		11/08/21 13:02	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 13:02	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 13:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		89 - 112		11/08/21 13:02	1
1,2-Dichloroethane-d4 (Surr)	107		81 - 118		11/08/21 13:02	1
4-Bromofluorobenzene (Surr)	111		85 - 114		11/08/21 13:02	1
Dibromofluoromethane (Surr)	98		80 - 119		11/08/21 13:02	1

Lab Sample ID: LCS 320-540897/6

Matrix: Water

Analysis Batch: 540897

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.0	19.5		ug/L		97	79 - 120
Ethylbenzene	20.0	20.1		ug/L		101	79 - 121
Methyl tert-butyl ether	20.0	20.2		ug/L		101	71 - 124
Naphthalene	20.0	17.0		ug/L		85	61 - 128
Toluene	20.0	19.9		ug/L		100	80 - 121
Xylenes, Total	40.0	40.5		ug/L		101	79 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	104		89 - 112
1,2-Dichloroethane-d4 (Surr)	100		81 - 118
4-Bromofluorobenzene (Surr)	110		85 - 114
Dibromofluoromethane (Surr)	112		80 - 119

Lab Sample ID: LCSD 320-540897/7

Matrix: Water

Analysis Batch: 540897

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
Benzene	20.0	19.1		ug/L		96	79 - 120	2	20
Ethylbenzene	20.0	19.8		ug/L		99	79 - 121	2	20
Methyl tert-butyl ether	20.0	19.9		ug/L		99	71 - 124	1	20
Naphthalene	20.0	17.2		ug/L		86	61 - 128	1	20
Toluene	20.0	20.0		ug/L		100	80 - 121	0	20
Xylenes, Total	40.0	40.4		ug/L		101	79 - 121	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	104		89 - 112
1,2-Dichloroethane-d4 (Surr)	102		81 - 118
4-Bromofluorobenzene (Surr)	110		85 - 114

Eurofins TestAmerica, Savannah

QC Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

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

Lab Sample ID: LCSD 320-540897/7

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 540897

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	115		80 - 119

QC Association Summary

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

GC/MS VOA

Analysis Batch: 540556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-206713-1	FST26 - MW36R (102721)	Total/NA	Water	8260B	
680-206713-2	FST26 - MW28R (102721)	Total/NA	Water	8260B	
MB 320-540556/7	Method Blank	Total/NA	Water	8260B	
LCS 320-540556/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 320-540556/4	Lab Control Sample Dup	Total/NA	Water	8260B	
680-206713-2 MS	FST26 - MW28R (102721)	Total/NA	Water	8260B	
680-206713-2 MSD	FST26 - MW28R (102721)	Total/NA	Water	8260B	

Analysis Batch: 540893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-206713-3	FST26 - MW55 (102721)	Total/NA	Water	8260B	
680-206713-4	FST26 - MW38 (102821)	Total/NA	Water	8260B	
680-206713-5	FST26 - MW54 (102821)	Total/NA	Water	8260B	
680-206713-6	FST26 - MW44 (102821)	Total/NA	Water	8260B	
680-206713-7	FST26 - MW57 (102821)	Total/NA	Water	8260B	
680-206713-8	FST26 - MW19 (102821)	Total/NA	Water	8260B	
680-206713-9	FST26 - MW56 (102821)	Total/NA	Water	8260B	
680-206713-10	FST26 - MW05 (102821)	Total/NA	Water	8260B	
680-206713-11	FST26 - MW13 (102821)	Total/NA	Water	8260B	
680-206713-12	FST26 - MW23 (102821)	Total/NA	Water	8260B	
680-206713-13	FST26 - MW03 (102721)	Total/NA	Water	8260B	
680-206713-14	FST26 - MW12 (102721)	Total/NA	Water	8260B	
680-206713-15	FST26 - MW14 (102721)	Total/NA	Water	8260B	
680-206713-16	FST26 - MW39 (102821)	Total/NA	Water	8260B	
680-206713-17	FST26 - MW50 (102821)	Total/NA	Water	8260B	
680-206713-18	FST26 - MW51 (102821)	Total/NA	Water	8260B	
680-206713-19	FST26 - MW52 (102821)	Total/NA	Water	8260B	
680-206713-20	FST26 - MW25R (102921)	Total/NA	Water	8260B	
680-206713-21	FST26 - MW22 (102921)	Total/NA	Water	8260B	
680-206713-23	DUP-02 (102821)	Total/NA	Water	8260B	
MB 320-540893/10	Method Blank	Total/NA	Water	8260B	
LCS 320-540893/5	Lab Control Sample	Total/NA	Water	8260B	
LCSD 320-540893/6	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 540897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-206713-22	DUP-01 (102721)	Total/NA	Water	8260B	
680-206713-24	TRIP BLANK (102721)	Total/NA	Water	8260B	
MB 320-540897/10	Method Blank	Total/NA	Water	8260B	
LCS 320-540897/6	Lab Control Sample	Total/NA	Water	8260B	
LCSD 320-540897/7	Lab Control Sample Dup	Total/NA	Water	8260B	

Lab Chronicle

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW36R (102721)

Lab Sample ID: 680-206713-1

Date Collected: 10/27/21 15:46

Matrix: Water

Date Received: 10/29/21 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	540556	11/06/21 15:04	AP1	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26 - MW28R (102721)

Lab Sample ID: 680-206713-2

Date Collected: 10/27/21 14:31

Matrix: Water

Date Received: 10/29/21 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	540556	11/06/21 15:27	AP1	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26 - MW55 (102721)

Lab Sample ID: 680-206713-3

Date Collected: 10/27/21 17:21

Matrix: Water

Date Received: 10/29/21 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	540893	11/08/21 13:30	AP1	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26 - MW38 (102821)

Lab Sample ID: 680-206713-4

Date Collected: 10/28/21 10:31

Matrix: Water

Date Received: 10/29/21 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	540893	11/08/21 13:53	AP1	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26 - MW54 (102821)

Lab Sample ID: 680-206713-5

Date Collected: 10/28/21 11:28

Matrix: Water

Date Received: 10/29/21 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	540893	11/08/21 14:16	AP1	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26 - MW44 (102821)

Lab Sample ID: 680-206713-6

Date Collected: 10/28/21 14:26

Matrix: Water

Date Received: 10/29/21 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	540893	11/08/21 14:39	AP1	TAL SAC
Instrument ID: HP10										

Eurofins TestAmerica, Savannah

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Job ID: 680-206713-1

Client Sample ID: FST26 - MW57 (102821)

Lab Sample ID: 680-206713-7

Date Collected: 10/28/21 15:24

Matrix: Water

Date Received: 10/29/21 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	540893	11/08/21 15:02	AP1	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26 - MW19 (102821)

Lab Sample ID: 680-206713-8

Date Collected: 10/28/21 16:44

Matrix: Water

Date Received: 10/29/21 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	540893	11/08/21 15:25	AP1	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26 - MW56 (102821)

Lab Sample ID: 680-206713-9

Date Collected: 10/28/21 17:48

Matrix: Water

Date Received: 10/29/21 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	540893	11/08/21 15:48	AP1	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26 - MW05 (102821)

Lab Sample ID: 680-206713-10

Date Collected: 10/28/21 13:11

Matrix: Water

Date Received: 10/29/21 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	540893	11/08/21 16:10	AP1	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26 - MW13 (102821)

Lab Sample ID: 680-206713-11

Date Collected: 10/28/21 16:26

Matrix: Water

Date Received: 10/29/21 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	50 mL	50 mL	540893	11/08/21 19:21	AP1	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26 - MW23 (102821)

Lab Sample ID: 680-206713-12

Date Collected: 10/28/21 17:36

Matrix: Water

Date Received: 10/29/21 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	540893	11/08/21 16:41	AP1	TAL SAC
Instrument ID: HP10										

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Job ID: 680-206713-1

Client Sample ID: FST26 - MW03 (102721)

Lab Sample ID: 680-206713-13

Date Collected: 10/27/21 15:55

Matrix: Water

Date Received: 10/29/21 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	50 mL	50 mL	540893	11/08/21 19:44	AP1	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26 - MW12 (102721)

Lab Sample ID: 680-206713-14

Date Collected: 10/27/21 17:00

Matrix: Water

Date Received: 10/29/21 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	50 mL	50 mL	540893	11/08/21 20:07	AP1	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26 - MW14 (102721)

Lab Sample ID: 680-206713-15

Date Collected: 10/27/21 14:30

Matrix: Water

Date Received: 10/29/21 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	50 mL	50 mL	540893	11/08/21 20:30	AP1	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26 - MW39 (102821)

Lab Sample ID: 680-206713-16

Date Collected: 10/28/21 10:25

Matrix: Water

Date Received: 10/29/21 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	540893	11/08/21 17:04	AP1	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26 - MW50 (102821)

Lab Sample ID: 680-206713-17

Date Collected: 10/28/21 13:00

Matrix: Water

Date Received: 10/29/21 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	540893	11/08/21 17:27	AP1	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26 - MW51 (102821)

Lab Sample ID: 680-206713-18

Date Collected: 10/28/21 11:18

Matrix: Water

Date Received: 10/29/21 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	540893	11/08/21 17:50	AP1	TAL SAC
Instrument ID: HP10										

Lab Chronicle

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW52 (102821)

Lab Sample ID: 680-206713-19

Date Collected: 10/28/21 11:55

Matrix: Water

Date Received: 10/29/21 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	540893	11/08/21 18:13	AP1	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26 - MW25R (102921)

Lab Sample ID: 680-206713-20

Date Collected: 10/29/21 10:44

Matrix: Water

Date Received: 10/29/21 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	540893	11/08/21 18:36	AP1	TAL SAC
Instrument ID: HP10										

Client Sample ID: FST26 - MW22 (102921)

Lab Sample ID: 680-206713-21

Date Collected: 10/29/21 11:52

Matrix: Water

Date Received: 10/29/21 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	50 mL	50 mL	540893	11/08/21 20:53	AP1	TAL SAC
Instrument ID: HP10										

Client Sample ID: DUP-01 (102721)

Lab Sample ID: 680-206713-22

Date Collected: 10/27/21 00:00

Matrix: Water

Date Received: 10/29/21 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	540897	11/08/21 17:36	AP1	TAL SAC
Instrument ID: HP12										

Client Sample ID: DUP-02 (102821)

Lab Sample ID: 680-206713-23

Date Collected: 10/28/21 00:00

Matrix: Water

Date Received: 10/29/21 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	540893	11/08/21 18:59	AP1	TAL SAC
Instrument ID: HP10										

Client Sample ID: TRIP BLANK (102721)

Lab Sample ID: 680-206713-24

Date Collected: 10/27/21 00:00

Matrix: Water

Date Received: 10/29/21 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	540897	11/08/21 14:10	AP1	TAL SAC
Instrument ID: HP12										

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Eurofins TestAmerica, Savannah

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

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Lab Work Order #

Page 1 of 2

Contact & Company Name ARCADIS / Alex Simpson		Telephone 919-415-2330	Preservative HCL		Matrix Key: SE - Sediment SO - Soil W - Water T - Tissue	
Address 5420 Wade Park Blvd #350		Fax	Filtered (✓)		Matrix Key: SL - Sludge A - Air	
City Raleigh		State NC	# of Containers 3		Matrix Key: NL - NAPL/Oil SW - Sample Wipe Other	
Zip 27607		E-mail Address alexander.simpson@arcadis.com	Container Information 40 mL		Matrix Key: Other	
Project Name/Location (City, State) FST-26 Ft. Stewart		Project # 30047054	PARAMETER ANALYSIS & METHOD			
Sampler's Printed Name Lydia Karpavicius-Cox		Sampler's Signature <i>Lydia Cox</i>	REMARKS MS/MSD - 9 bottles kept			
Sample ID	Collection Date	Time	Type (✓) Comp	Grab	Matrix	
FST26-MW36R (102721)	10/27/21	1546	✓		W	
FST26-MW28R (102721)	10/27/21	1431	✓		W	
FST26-MW55 (102721)	10/27/21	1721	✓		W	
FST26-MW38 (102821)	10/28/21	1031	✓		W	
FST26-MW54 (102821)	10/28/21	1121	✓		W	
FST26-MW44 (102821)	10/28/21	1426	✓		W	
FST26-MW57 (102821)	10/28/21	1524	✓		W	
FST26-MW19 (102821)	10/28/21	1644	✓		W	
FST26-MW56 (102821)	10/29/21	1748	✓		W	
FST26-MW05 (102821)	10/28/21	1311	✓		W	
FST26-MW13 (102821)	10/28/21	1626	✓		W	
FST26-MW23 (102821)	10/28/21	1736	✓		W	
FST26-MW07 (102721)	10/27/21	1555	✓		W	
FST26-MW12 (102721)	10/27/21	1700	✓		W	
Special Instructions/Comments: Special QA/QC Instructions (✓):						
Laboratory Information and Receipt			Relinquished By			
Lab Name	Cooler Custody Seal (✓) ☐ Intact ☐ Not Intact	Printed Name Jord Fiv	Received By Printed Name Tyler Hartley		Relinquished By Printed Name	
☒ Cooler packed with ice (✓)	Sample Receipt	Signature <i>Jord Fiv</i>	Signature <i>Tyler Hartley</i>		Signature <i>Deed Sins</i>	
Specify Turnaround Requirements	Condition/Cooler Temp	Signature <i>Arcadis</i>	Firm/Courier		Firm TA	
Shipping Tracking #		Date/Time 10/29/21 1534	Date/Time 10/29 1534		Date/Time 10/29 21 1030	



ID#:

CHAIN OF CUSTODY & LABORATORY
ANALYSIS REQUEST FORM

Lab Work Order #

Page 2 of 2

Contact & Company Name		Telephone	HCL	Preservative	Filtered (✓)	# of Containers	Container Information	PARAMETER ANALYSIS & METHOD				REMARKS	
ARCADIS / Alex Simpson		919-415-2330				3	40 mL						
Address		Fax											
5420 Wade Park Blvd #350													
City		State	Zip	E-mail Address									
Raleigh		NC	27602	alexandra.simpson@arcadis.com									
Project Name/Location (City, State)		Project #	Sampler's Signature										
FST-26		Ft. Skrubert	30047054										
Sample ID		Collection	Date	Time	Type (✓)	Comp	Grab	Matrix					
MW14 (102221)		10/27/14	1430		✓			W					
FST26-MW39 (102221)		10/28/14	1025		✓			W					
FST26-MW50 (102821)		10/28/14	1300		✓			W					
FST26-MW51 (102821)		10/28/14	1118		✓			W					
FST26-MW52 (102821)		10/28/14	1155		✓			W					
FST26-MW25R (102821)		10/28/14	1044		✓			W					
FST26-MW22 (102921)		10/28/14	1152		✓			W					
DUP-01		10/28/14	-		✓			W					
DUP-02		10/28/14	-		✓			W					
TRIP BLANK		-	-		-			W	2 bottles				
Special Instructions/Comments:													
Jut 10/28/14													
Special QA/QC Instructions (✓):													
Laboratory Information and Receipt													
Lab Name	ARCADIS	Relinquished By	Printed Name	Signature	Firm/Courier	Date/Time	Received By	Printed Name	Signature	Firm/Courier	Date/Time		
			Jared Firo		ARCADIS	10/29/14 1534		Tyler Hark					
✓ Cooler packed with ice (✓)		Intact	Not Intact										
Specify Turnaround Requirements		Sample Receipt											
Shipping Tracking #		Condition/Cooler Temp											
Distribution: WHITE - Laboratory returns with results YELLOW - Lab copy PINK - Retained by Arcadis													

Client Information (Sub Contract Lab)						Lab PM	Carrier Tracking No(s).
Client Contact Shipping/Receiving						Lanier, Jerry A	680-672850.1
Company TestAmerica Laboratories, Inc.						E-Mail Jerry.Lanier@Eurofinset.com	Page Page 1 of 3
Address City State, Zip Phone Email:						Accreditations Required (See note) DoD ELAP - A2LA; DoD ELAP - L-A-B; State Program - Georgia	Job # 680-206713-1
Due Date Requested: TAT Requested (days):						Preservation Codes:	
						A - HCL	M - Hexane
						B - NaOH	N - None
						C - Zn Acetate	O - AsNaO2
						D - Nitric Acid	P - Na2O4S
						E - NaHSO4	Q - Na2SO3
						F - MeOH	R - Na2S2O3
						G - Amchlor	S - H2SO4
						H - Ascorbic Acid	T - TSP Dodecylhydrate
						I - Ice	U - Acetone
						J - Di Water	V - MCAA
						K - EDTA	W - pH 4-5
						L - EDA	Z - other (specify)
						Other:	
Sample Identification - Client ID (Lab ID)						Total Number of Containers	Special Instructions/Note:
FST26 - MW36R (102721) (680-206713-1)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Solid, Overwater, BT-Tissue, AAIR)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	826B_DODS/5030B BTEX, MTBE, Naphthalene
FST26 - MW28R (102721) (680-206713-2)	10/27/21	15:46 Eastern	Water	Water	X	X	
FST26 - MW28R (102721) (680-206713-2MS)	10/27/21	14:31 Eastern	Water	Water	X	X	
FST26 - MW28R (102721) (680-206713-2MSD)	10/27/21	14:31 Eastern	MS	Water	X	X	
FST26 - MW55 (102721) (680-206713-3)	10/27/21	17:21 Eastern	Water	Water	X	X	
FST26 - MW38 (102821) (680-206713-4)	10/28/21	10:31 Eastern	Water	Water	X	X	
FST26 - MW54 (102821) (680-206713-5)	10/28/21	11:28 Eastern	Water	Water	X	X	
FST26 - MW44 (102821) (680-206713-6)	10/28/21	14:26 Eastern	Water	Water	X	X	
FST26 - MW57 (102821) (680-206713-7)	10/28/21	15:24 Eastern	Water	Water	X	X	

Note: Since laboratory accreditations are subject to change Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica

Possible Hazard Identification
Unconfirmed
Deliverable Requested: I, II, III, IV, Other (specify) _____

Empty Kit Relinquished by: _____ Date: _____

Relinquished by: *[Signature]* Date: *11/1*

Relinquished by: _____ Date: *11/31*

Relinquished by: _____ Date: _____

Custody Seal Intact: *[Initials]* Custody Seal No.: _____

Δ Yes Δ No

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
Return To Client	Disposal By Lab	Archive For	Months
☐	☐	☐	☐

Special Instructions/QC Requirements:

Time	
Date	Method of Shipment
Received by: <i>[Signature]</i> Date/Time: <i>11/1</i>	Company: <i>[Signature]</i>
Received by: _____ Date/Time: _____	Company: _____
Received by: _____ Date/Time: _____	Company: _____

Cooler Temperature(s) °C and Other Remarks: *1.6w*

Chain of Custody Record



Client Information (Sub Contract Lab)				Smpler: Lab PM Lanier, Jerry A Phone: E-Mail: Jerry.Lanier@Eurofinset.com		Carrier Tracking No(s): 680-672850.2 Page 2 of 3	
Company: TestAmerica Laboratories, Inc. Address: 880 Riverside Parkway City: West Sacramento State Zip: CA 95605 Phone: 916-373-5600(Tel) 916-372-1059(Fax) Email:				Shipping/Receiving Project Name: Ft. Stewart Environmental Remediation (FST-26) Site:		Job #: 680-206713-1 Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Due Date Requested: 11/11/2021 TAT Requested (days):				Analysis Requested 8260B_DODS/5030B BTEX, MTBE, Naphthalene		Total Number of containers	
Sample Identification - Client ID (Lab ID)				Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)	
Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (W=water, S=solid, O=other) Preservation Code				8260B_DODS/5030B BTEX, MTBE, Naphthalene		Special Instructions/Note:	
FST26 - MW19 (102821) (680-206713-8) FST26 - MW56 (102821) (680-206713-9) FST26 - MW05 (102821) (680-206713-10) FST26 - MW13 (102821) (680-206713-11) FST26 - MW23 (102821) (680-206713-12) FST26 - MW03 (102721) (680-206713-13) FST26 - MW12 (102721) (680-206713-14) FST26 - MW14 (102721) (680-206713-15) FST26 - MW39 (102821) (680-206713-16)				16.44 Eastern 17.48 Eastern 13.11 Eastern 16.26 Eastern 17.36 Eastern 15.55 Eastern 17.00 Eastern 14.30 Eastern 10.25 Eastern		Water Water Water Water Water Water Water Water	
Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months		Special Instructions/QC Requirements	
Possible Hazard Identification Unconfirmed Deliverable Requested I, II, III, IV, Other (specify)				Primary Deliverable Rank 2		Date:	
Empty Kit Relinquished by:				Date/Time: 11/11 16:34		Company:	
Relinquished by:				Date/Time:		Company:	
Relinquished by:				Date/Time:		Company:	
Relinquished by:				Date/Time:		Company:	
Custody Seals Intact: ☐ Yes ☐ No				Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:	

Chain of Custody Record

Environmental Testing
America

Client Information (Sub Contract Lab)		Sampler	Lab PM	Carrier Tracking No(s)	COC No									
Client Contact Shipping/Receiving		Phone	Lanier, Jerry A		680-672850 3									
Company			E-Mail Jerry.Lanier@Eurofinset.com	State of Origin Georgia	Page 3 of 3									
Address TestAmerica Laboratories, Inc														
880 Riverside Parkway														
City West Sacramento														
State, Zip CA, 95605														
Phone 916-373-5600(Tel) 916-372-1059(Fax)														
Email														
Project Name Ft Stewart Environmental Remediation (FST-26)														
Site														
Due Date Requested: 11/11/2021														
TAT Requested (days):														
PO #														
WO #														
Project # 68014346														
SSOW #														
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, BT=tissue, AA=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B, DODS/5030B BTEX, MTBE, Naphthalene	Analysis Requested		Accreditations Required (See note) DoD ELAP - A2LA, DoD ELAP - L-A-B; State Program - Geor ...	Job # 680-206713-1	Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Z - other (specify) Other:	
FST26 - MW50 (102821) (680-206713-17)		10/28/21	13:00 Eastern	Water	Water	X	X							
FST26 - MW51 (102821) (680-206713-18)		10/28/21	11:18 Eastern	Water	Water	X	X							
FST26 - MW52 (102821) (680-206713-19)		10/28/21	11:55 Eastern	Water	Water	X	X							
FST26 - MW25R (102921) (680-206713-20)		10/29/21	10:44 Eastern	Water	Water	X	X							
FST26 - MW22 (102921) (680-206713-21)		10/29/21	11:52 Eastern	Water	Water	X	X							
DUP-01 (102721) (680-206713-22)		10/27/21	Eastern	Water	Water	X	X							
DUP-02 (102821) (680-206713-23)		10/28/21	Eastern	Water	Water	X	X							
TRIP BLANK (102721) (680-206713-24)		10/27/21	Eastern	Water	Water	X	X							
Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/testing/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.														
Possible Hazard Identification Unconfirmed														
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2														
Empty Kit Relinquished by: _____ Date: _____ Time: _____														
Relinquished by: _____ Date/Time: 11/1 16:34 Company: _____														
Relinquished by: _____ Date/Time: _____ Company: _____														
Relinquished by: _____ Date/Time: _____ Company: _____														
Custody Seals Intact: _____ Custody Seal No.: _____ Cooler Temperature(s) °C and Other Remarks: 1.66														

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-206713-1

Login Number: 206713

List Source: Eurofins TestAmerica, Savannah

List Number: 1

Creator: Sims, Robert D

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-206713-1

Login Number: 206713

List Source: Eurofins TestAmerica, Sacramento

List Number: 2

List Creation: 11/02/21 05:09 PM

Creator: Simmons, Jason C

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are 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 is acceptable.	True	
Cooler Temperature is recorded.	True	1.6c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Laboratory: Eurofins TestAmerica, Sacramento

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2468	01-20-24
Georgia	State	4040	01-29-22

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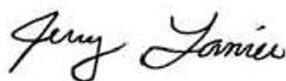
ANALYTICAL REPORT

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

Laboratory Job ID: 680-206802-1
Client Project/Site: Ft. Stewart (FST-26)

For:
ARCADIS U.S., Inc.
5420 Wade Park Boulevard
Suite 350
Raleigh, North Carolina 27607

Attn: Scott Bostian



Authorized for release by:
11/16/2021 9:31:44 AM

Jerry Lanier, Project Manager I
(912)250-0281
Jerry.Lanier@Eurofinset.com

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Stewart (FST-26)

Job ID: 680-206802-1

Job ID: 680-206802-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

**Job Narrative
680-206802-1**

Comments

No additional comments.

Receipt

The samples were received on 11/2/2021 10:35 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.1° C.

GC/MS VOA

Method 8260B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 320-541259 recovered outside control limits for the following analytes: Naphthalene.

Method 8260B: Internal standard (ISTD) response for TBA-d9 for the following samples in analytical batch 320-541259 was outside acceptance criteria: FST26-MW43 (102821) (680-206802-3), Trip Blank (680-206802-5) and (LCS 320-541259/6). This ISTD does not correspond to any of the requested target compounds reported from this analytical batch; therefore, the data have been reported.

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

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Stewart (FST-26)

Job ID: 680-206802-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-206802-1	FST26-MW18 (102821)	Water	10/28/21 16:50	11/02/21 10:35
680-206802-2	FST26-MW42 (102821)	Water	10/28/21 15:40	11/02/21 10:35
680-206802-3	FST26-MW43 (102821)	Water	10/28/21 17:55	11/02/21 10:35
680-206802-4	FST26-MW53 (102821)	Water	10/28/21 14:20	11/02/21 10:35
680-206802-5	Trip Blank	Water	10/28/21 00:00	11/02/21 10:35

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Stewart (FST-26)

Job ID: 680-206802-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAC
5030B	Purge and Trap	SW846	TAL SAC

Protocol References:

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

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Definitions/Glossary

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Stewart (FST-26)

Job ID: 680-206802-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
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.

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
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

Detection Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Stewart (FST-26)

Job ID: 680-206802-1

Client Sample ID: FST26-MW18 (102821)

Lab Sample ID: 680-206802-1

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.76	J Q	1.0	0.40	0.15	ug/L	1		8260B	Total/NA

Client Sample ID: FST26-MW42 (102821)

Lab Sample ID: 680-206802-2

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	18		2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: FST26-MW43 (102821)

Lab Sample ID: 680-206802-3

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	40		2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: FST26-MW53 (102821)

Lab Sample ID: 680-206802-4

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	3.3		2.0	0.40	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 680-206802-5

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Savannah

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Stewart (FST-26)

Job ID: 680-206802-1

Client Sample ID: FST26-MW18 (102821)

Lab Sample ID: 680-206802-1

Date Collected: 10/28/21 16:50

Matrix: Water

Date Received: 11/02/21 10:35

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/09/21 14:35	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/09/21 14:35	1
Methyl tert-butyl ether	0.40	U	2.0	0.40	0.19	ug/L		11/09/21 14:35	1
Naphthalene	0.76	J Q	1.0	0.40	0.15	ug/L		11/09/21 14:35	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/09/21 14:35	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/09/21 14:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		89 - 112		11/09/21 14:35	1
1,2-Dichloroethane-d4 (Surr)	106		81 - 118		11/09/21 14:35	1
4-Bromofluorobenzene (Surr)	107		85 - 114		11/09/21 14:35	1
Dibromofluoromethane (Surr)	111		80 - 119		11/09/21 14:35	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Stewart (FST-26)

Job ID: 680-206802-1

Client Sample ID: FST26-MW42 (102821)

Lab Sample ID: 680-206802-2

Date Collected: 10/28/21 15:40

Matrix: Water

Date Received: 11/02/21 10:35

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/09/21 14:58	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/09/21 14:58	1
Methyl tert-butyl ether	18		2.0	0.40	0.19	ug/L		11/09/21 14:58	1
Naphthalene	0.40	U Q	1.0	0.40	0.15	ug/L		11/09/21 14:58	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/09/21 14:58	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/09/21 14:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		89 - 112		11/09/21 14:58	1
1,2-Dichloroethane-d4 (Surr)	105		81 - 118		11/09/21 14:58	1
4-Bromofluorobenzene (Surr)	111		85 - 114		11/09/21 14:58	1
Dibromofluoromethane (Surr)	110		80 - 119		11/09/21 14:58	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Stewart (FST-26)

Job ID: 680-206802-1

Client Sample ID: FST26-MW43 (102821)

Lab Sample ID: 680-206802-3

Date Collected: 10/28/21 17:55

Matrix: Water

Date Received: 11/02/21 10:35

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/09/21 15:21	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/09/21 15:21	1
Methyl tert-butyl ether	40		2.0	0.40	0.19	ug/L		11/09/21 15:21	1
Naphthalene	0.40	U Q	1.0	0.40	0.15	ug/L		11/09/21 15:21	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/09/21 15:21	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/09/21 15:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		89 - 112		11/09/21 15:21	1
1,2-Dichloroethane-d4 (Surr)	104		81 - 118		11/09/21 15:21	1
4-Bromofluorobenzene (Surr)	109		85 - 114		11/09/21 15:21	1
Dibromofluoromethane (Surr)	114		80 - 119		11/09/21 15:21	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Stewart (FST-26)

Job ID: 680-206802-1

Client Sample ID: FST26-MW53 (102821)

Lab Sample ID: 680-206802-4

Date Collected: 10/28/21 14:20

Matrix: Water

Date Received: 11/02/21 10:35

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/09/21 15:44	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/09/21 15:44	1
Methyl tert-butyl ether	3.3		2.0	0.40	0.19	ug/L		11/09/21 15:44	1
Naphthalene	0.40	U Q	1.0	0.40	0.15	ug/L		11/09/21 15:44	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/09/21 15:44	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/09/21 15:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		89 - 112		11/09/21 15:44	1
1,2-Dichloroethane-d4 (Surr)	106		81 - 118		11/09/21 15:44	1
4-Bromofluorobenzene (Surr)	107		85 - 114		11/09/21 15:44	1
Dibromofluoromethane (Surr)	107		80 - 119		11/09/21 15:44	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Stewart (FST-26)

Job ID: 680-206802-1

Client Sample ID: Trip Blank

Lab Sample ID: 680-206802-5

Date Collected: 10/28/21 00:00

Matrix: Water

Date Received: 11/02/21 10:35

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/09/21 13:27	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/09/21 13:27	1
Methyl tert-butyl ether	0.40	U	2.0	0.40	0.19	ug/L		11/09/21 13:27	1
Naphthalene	0.40	U Q	1.0	0.40	0.15	ug/L		11/09/21 13:27	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/09/21 13:27	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/09/21 13:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		89 - 112		11/09/21 13:27	1
1,2-Dichloroethane-d4 (Surr)	103		81 - 118		11/09/21 13:27	1
4-Bromofluorobenzene (Surr)	107		85 - 114		11/09/21 13:27	1
Dibromofluoromethane (Surr)	113		80 - 119		11/09/21 13:27	1

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Stewart (FST-26)

Job ID: 680-206802-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (89-112)	DCA (81-118)	BFB (85-114)	DBFM (80-119)
680-206802-1	FST26-MW18 (102821)	102	106	107	111
680-206802-2	FST26-MW42 (102821)	102	105	111	110
680-206802-3	FST26-MW43 (102821)	104	104	109	114
680-206802-4	FST26-MW53 (102821)	102	106	107	107
680-206802-5	Trip Blank	103	103	107	113
LCS 320-541259/6	Lab Control Sample	107	88	110	114
LCSD 320-541259/7	Lab Control Sample Dup	104	101	112	119
MB 320-541259/10	Method Blank	103	108	109	107

Surrogate Legend

TOL = Toluene-d8 (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Stewart (FST-26)

Job ID: 680-206802-1

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

Lab Sample ID: MB 320-541259/10

Matrix: Water

Analysis Batch: 541259

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/09/21 12:41	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/09/21 12:41	1
Methyl tert-butyl ether	0.40	U	2.0	0.40	0.19	ug/L		11/09/21 12:41	1
Naphthalene	0.40	U M	1.0	0.40	0.15	ug/L		11/09/21 12:41	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/09/21 12:41	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/09/21 12:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		89 - 112		11/09/21 12:41	1
1,2-Dichloroethane-d4 (Surr)	108		81 - 118		11/09/21 12:41	1
4-Bromofluorobenzene (Surr)	109		85 - 114		11/09/21 12:41	1
Dibromofluoromethane (Surr)	107		80 - 119		11/09/21 12:41	1

Lab Sample ID: LCS 320-541259/6

Matrix: Water

Analysis Batch: 541259

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.0	19.2		ug/L		96	79 - 120
Ethylbenzene	20.0	19.9		ug/L		99	79 - 121
Methyl tert-butyl ether	20.0	16.2		ug/L		81	71 - 124
Naphthalene	20.0	14.9		ug/L		75	61 - 128
Toluene	20.0	20.7		ug/L		104	80 - 121
Xylenes, Total	40.0	39.7		ug/L		99	79 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	107		89 - 112
1,2-Dichloroethane-d4 (Surr)	88		81 - 118
4-Bromofluorobenzene (Surr)	110		85 - 114
Dibromofluoromethane (Surr)	114		80 - 119

Lab Sample ID: LCSD 320-541259/7

Matrix: Water

Analysis Batch: 541259

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
Benzene	20.0	19.0		ug/L		95	79 - 120	2	20
Ethylbenzene	20.0	19.7		ug/L		98	79 - 121	1	20
Methyl tert-butyl ether	20.0	19.5		ug/L		97	71 - 124	19	20
Naphthalene	20.0	18.7	Q	ug/L		93	61 - 128	22	20
Toluene	20.0	19.8		ug/L		99	80 - 121	5	20
Xylenes, Total	40.0	40.2		ug/L		101	79 - 121	1	20

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

Eurofins TestAmerica, Savannah

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Stewart (FST-26)

Job ID: 680-206802-1

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

Lab Sample ID: LCSD 320-541259/7

Matrix: Water

Analysis Batch: 541259

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	119		80 - 119

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Stewart (FST-26)

Job ID: 680-206802-1

GC/MS VOA

Analysis Batch: 541259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-206802-1	FST26-MW18 (102821)	Total/NA	Water	8260B	
680-206802-2	FST26-MW42 (102821)	Total/NA	Water	8260B	
680-206802-3	FST26-MW43 (102821)	Total/NA	Water	8260B	
680-206802-4	FST26-MW53 (102821)	Total/NA	Water	8260B	
680-206802-5	Trip Blank	Total/NA	Water	8260B	
MB 320-541259/10	Method Blank	Total/NA	Water	8260B	
LCS 320-541259/6	Lab Control Sample	Total/NA	Water	8260B	
LCSD 320-541259/7	Lab Control Sample Dup	Total/NA	Water	8260B	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Stewart (FST-26)

Job ID: 680-206802-1

Client Sample ID: FST26-MW18 (102821)

Lab Sample ID: 680-206802-1

Date Collected: 10/28/21 16:50

Matrix: Water

Date Received: 11/02/21 10:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	541259	11/09/21 14:35	SS	TAL SAC
Instrument ID: HP12										

Client Sample ID: FST26-MW42 (102821)

Lab Sample ID: 680-206802-2

Date Collected: 10/28/21 15:40

Matrix: Water

Date Received: 11/02/21 10:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	541259	11/09/21 14:58	SS	TAL SAC
Instrument ID: HP12										

Client Sample ID: FST26-MW43 (102821)

Lab Sample ID: 680-206802-3

Date Collected: 10/28/21 17:55

Matrix: Water

Date Received: 11/02/21 10:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	541259	11/09/21 15:21	SS	TAL SAC
Instrument ID: HP12										

Client Sample ID: FST26-MW53 (102821)

Lab Sample ID: 680-206802-4

Date Collected: 10/28/21 14:20

Matrix: Water

Date Received: 11/02/21 10:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	541259	11/09/21 15:44	SS	TAL SAC
Instrument ID: HP12										

Client Sample ID: Trip Blank

Lab Sample ID: 680-206802-5

Date Collected: 10/28/21 00:00

Matrix: Water

Date Received: 11/02/21 10:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	541259	11/09/21 13:27	SS	TAL SAC
Instrument ID: HP12										

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Chain of Custody Record

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

10

[illegible]

Chain of Custody Record



Client Information (Sub Contract Lab)						
Client Contact Shipping/Receiving	Company TestAmerica Laboratories, Inc.	Sampler Lanier, Jerry A	Lap PM Lanier, Jerry A	Carrier Tracking No(s) 680-672962.1	COC No. 680-672962.1	Page Page 1 of 1
		Phone	E-Mail Jerry.Lanier@Eurofinset.com	State of Origin Georgia		
		Accreditations Required (See note)				
		DoD ELAP - A2LA; DoD ELAP - L-A-B; State Program - Georgia				
		Job # 680-206802-1				
		Preservation Codes:				
		A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 R - Na2SO3 F - MeOH S - H2SO4 G - Amchlor T - TSP Dodecahydrate H - Ascorbic Acid U - Acetone I - Ice V - MCAA J - DI Water W - pH 4-5 K - EDTA Z - other (specify) L - EDA Other:				
Analysis Requested						
		Total Number of containers				
		Special Instructions/Note:				
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (G=grab, BT=Tissue A=Air)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue A=Air)	Field Filtered Sample (Yes or No)
FST26-MW18 (102821) (680-206802-1)	10/28/21	16:50 Eastern	X	Water	Water	X
FST26-MW42 (102821) (680-206802-2)	10/28/21	15:40 Eastern	X	Water	Water	X
FST26-MW43 (102821) (680-206802-3)	10/28/21	17:55 Eastern	X	Water	Water	X
FST26-MW53 (102821) (680-206802-4)	10/28/21	14:20 Eastern	X	Water	Water	X
Trip Blank (680-206802-5)	10/28/21	Eastern	X	Water	Water	X
Note: Since laboratory accreditations are subject to change Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica						
Possible Hazard Identification						
Unconfirmed						
Deliverable Requested: I, II, III, IV, Other (specify)						
Primary Deliverable Rank: 2						
Date:						
Empty Kit Relinquished by:						
Relinquished by:						
Relinquished by:						
Relinquished by:						
Custody Seals Intact: Δ Yes Δ No						
Custody Seal No.: 029						
Cooler Temperature(s) °C and Other Remarks						

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-206802-1

Login Number: 206802

List Source: Eurofins TestAmerica, Savannah

List Number: 1

Creator: Hartley, Tyler

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-206802-1

Login Number: 206802

List Source: Eurofins TestAmerica, Sacramento

List Number: 2

List Creation: 11/03/21 03:06 PM

Creator: Simmons, Jason C

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are 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 is acceptable.	True	
Cooler Temperature is recorded.	True	0.9c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Stewart (FST-26)

Job ID: 680-206802-1

Laboratory: Eurofins TestAmerica, Sacramento

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2468	01-20-24
Georgia	State	4040	01-29-22

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Fort Stewart/FST-26

DATA REVIEW

Savannah, Georgia

Volatile Organic Compounds

SDG # 680-206713-1

Analyses Performed by:
Eurofins TestAmerica
Savannah, GA

Report # 43546R
Review Level: Stage 2
Project: 30047054.03-FST-26



DATA REVIEW REPORT

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 680-206713-1 for samples collected in association with the Fort Stewart Site, Georgia. The review was conducted as a Tier II evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis
					VOC
FST26 - MW36R (102721)	680-206713-1	Water	10/27/21		X
FST26 - MW28R (102721)	680-206713-2	Water	10/27/21		X
FST26 - MW55 (102721)	680-206713-3	Water	10/27/21		X
FST26 - MW38 (102821)	680-206713-4	Water	10/28/21		X
FST26 - MW54 (102821)	680-206713-5	Water	10/28/21		X
FST26 - MW44 (102821)	680-206713-6	Water	10/28/21		X
FST26 - MW57 (102821)	680-206713-7	Water	10/28/21		X
FST26 - MW19 (102821)	680-206713-8	Water	10/28/21		X
FST26 - MW56 (102821)	680-206713-9	Water	10/28/21		X
FST26 - MW05 (102821)	680-206713-10	Water	10/28/21		X
FST26 - MW13 (102821)	680-206713-11	Water	10/28/21		X
FST26 - MW23 (102821)	680-206713-12	Water	10/28/21		X
FST26 - MW03 (102721)	680-206713-13	Water	10/27/21		X
FST26 - MW12 (102721)	680-206713-14	Water	10/27/21		X
FST26 - MW14 (102721)	680-206713-15	Water	10/27/21		X
FST26 - MW39 (102821)	680-206713-16	Water	10/28/21		X
FST26 - MW50 (102821)	680-206713-17	Water	10/28/21		X
FST26 - MW51 (102821)	680-206713-18	Water	10/28/21		X
FST26 - MW52 (102821)	680-206713-19	Water	10/28/21		X
FST26 - MW25R (102921)	680-206713-20	Water	10/29/21		X
FST26 - MW22 (102921)	680-206713-21	Water	10/29/21		X
DUP-01 (102721)	680-206713-22	Water	10/27/21	FST26 - MW55 (102721)	X
DUP-02 (102821)	680-206713-23	Water	10/28/21	FST26 - MW38 (102821)	X
TRIP BLANK (102721)	680-206713-24	Water	10/27/21		X

Note:

VOC = volatile organic compounds

DATA REVIEW REPORT

ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed Chain-of-Custody (COC) form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data Package Completeness and Compliance		X		X	

Note:

QA = Quality Assurance

DATA REVIEW REPORT

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8260B. Data were reviewed in accordance with USEPA National Functional Guidelines of October 1999.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified, and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes:

- Concentration (C) Qualifiers
 - U The analyte was not detected and was reported as less than the LOD. The LOD has been adjusted for any dilution or concentration of the sample.
 - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
 - E The compound was quantitated above the calibration range.
 - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
 - J The reported result was an estimated value with an unknown bias.
 - UJ The analyte was not detected and was reported as less than the LOD. However, the associated numerical value is approximate.
 - UB Compound considered non-detect at the listed value due to associated blank contamination.
 - R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

DATA REVIEW REPORT

VOLATILE ORGANIC COMPOUNDS ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8260B	Water	14 days from collection to analysis (preserved)	Cool to <6 °C; preserved to a pH of less than 2 s.u.

All samples were analyzed within the specified holding time.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method, and Trip blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Instrument blanks measure carryover in the instrument from one sample to another. Method blanks measure laboratory contamination.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank is calculated for QA blanks containing concentrations greater than the limit of detection (LOD). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the LOD in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

MS/MSD analysis was performed on the sample ID FST26 - MW28R (102721), exhibited acceptable recoveries and RPD.

DATA REVIEW REPORT

5. Laboratory Control Sample/ Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery and RPD within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries within the control limits.

Sample locations associated with LCS/LCSD recoveries exhibiting an RPD greater than of the control limit presented in the following table.

Sample Locations	Compound
FST26 - MW55 (102721)	Naphthalene
FST26 - MW38 (102821)	
FST26 - MW54 (102821)	
FST26 - MW44 (102821)	
FST26 - MW57 (102821)	
FST26 - MW19 (102821)	
FST26 - MW56 (102821)	
FST26 - MW05 (102821)	
FST26 - MW13 (102821)	
FST26 - MW23 (102821)	
FST26 - MW03 (102721)	
FST26 - MW12 (102721)	
FST26 - MW14 (102721)	
FST26 - MW39 (102821)	
FST26 - MW50 (102821)	
FST26 - MW51 (102821)	
FST26 - MW52 (102821)	
FST26 - MW25R (102921)	
FST26 - MW22 (102921)	
DUP-02 (102821)	

The criteria used to evaluate the RPD between the LCS/LCSD recoveries are presented in the following table. In the case of an RPD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> UL	Non-detect	UJ
	Detect	J

6. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations

DATA REVIEW REPORT

are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices or three times the RL is applied for soil matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Compounds	Sample Result	Duplicate Result	RPD
FST26 - MW55 (102721) / DUP-01 (102721)	Methyl tert-butyl ether	0.40 U	0.85	AC
FST26 - MW38 (102821) / DUP-02 (102821)	Methyl tert-butyl ether	2.9	2.6	AC

Notes:

AC Acceptable

The calculated RPDs between the parent sample and field duplicate were acceptable.

7. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA REVIEW REPORT

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: SW-846 8260B	Reported		Performance Acceptable		Not Required	
	No	Yes	No	Yes		
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)						
Tier II Validation						
Holding times		X		X		
Reporting limits (units)		X		X		
Blanks						
A. Method blanks		X		X		
B. Equipment blanks	X				X	
C. Trip blanks		X		X		
Laboratory Control Sample (LCS)		X		X		
Laboratory Control Sample Duplicate (LCSD)		X		X		
LCS/LCSD Precision (RPD)		X	X			
Matrix Spike (MS)		X		X		
Matrix Spike Duplicate (MSD)		X		X		
MS/MSD Precision (RPD)		X		X		
Field/Lab Duplicate (RPD)		X		X		
Surrogate Spike Recoveries		X		X		
Dilution Factor		X		X		

Notes:

%R = percent recovery

RPD = relative percent difference

%D = percent difference

DATA REVIEW REPORT

VALIDATION PERFORMED BY: Bhagyashree Fulzele

SIGNATURE:



DATE: November 25, 2021

PEER REVIEW: Dennis Capria

DATE: November 28, 2021

CHAIN OF CUSTODY

**CORRECTED SAMPLE ANALYSIS DATA
SHEETS**



Send Results to:	Contact & Company Name ARCADIS / Alex Simpson		Telephone 919-415-2330		Preservative HCL															
	Address 5420 Wade Park Blvd #350		Fax		Filtered (✓)															
	City Raleigh	State NC	Zip 27607	E-mail Address alexandra.simpson@arcadis.com		# of Containers 3														
					Container Information 40 mL															
PARAMETER ANALYSIS & METHOD																				
Project Name/Location (City, State): FST-26 Ft. Stewart Project #: 30047054 Sampler's Printed Name: Lydia Kasperkyj-Cox Sampler's Signature: Lydia Cox Matrix Key: SO - Soil SE - Sediment NL - NAPL/Oil W - Water SL - Sludge SW - Sample Wipe T - Tissue A - Air Other: _____																				
Sample ID		Collection		Type (✓)		Matrix														
		Date	Time	Comp	Grab															
FST26-MW36R (102721)		10/27/21	1546		✓	W	✓													
FST26-MW28R (102721)		10/27/21	1431		✓	W	✓													
FST26-MW55 (102721)		10/27/21	1721		✓	W	✓													
FST26-MW38 (102821)		10/28/21	1031		✓	W	✓													
FST26-MW54 (102821)		10/28/21	1128		✓	W	✓													
FST26-MW44 (102821)		10/28/21	1426		✓	W	✓													
FST26-MW57 (102821)		10/28/21	1524		✓	W	✓													
FST26-MW19 (102821)		10/28/21	1644		✓	W	✓													
FST26-MW56 (102821)		10/29/21	1748		✓	W	✓													
FST26-MW05 (102821)		10/28/21	1311		✓	W	✓													
FST26-MW13 (102821)		10/28/21	1626		✓	W	✓													
FST26-MW23 (102821)		10/28/21	1736		✓	W	✓													
FST26-MW0J (102721)		10/27/21	1555		✓	W	✓													
FST26-MW12 (102721)		10/27/21	1700		✓	W	✓													
Special Instructions/Comments: ☐ Special QA/QC Instructions (✓):																				
Laboratory Information and Receipt Lab Name: ☒ Cooler packed with ice (✓) Specify Turnaround Requirements: Shipping Tracking #: Cooler Custody Seal (✓) ☐ Intact ☐ Not Intact Sample Receipt: Condition/Cooler Temp: _____ Relinquished By Printed Name: Jared Frio Signature: [Signature] Firm: ARCADIS Date/Time: 10/27/21 1534 Received By Printed Name: Tylar Hartman Signature: [Signature] Firm/Counter: Date/Time: 10/27 1534 Relinquished By Printed Name: Signature: Firm/Counter: Date/Time: Laboratory Received By Printed Name: Derek Sims Signature: [Signature] Firm: TA Date/Time: 10/29/21 1030																				

Send Results to:	Contact & Company Name	Telephone	Preservative	HCL																
	ARCADIS / Alex Simpson	919-415-2330	Filtered (✓)																	
	Address	Fax	# of Containers	3																
	5420 Wade Park Blvd #350		Container Information	40 mL																
	City	State	Zip	E-mail Address	PARAMETER ANALYSIS & METHOD															
	Raleigh	NC	27602	alexandra.simpson@arcadis.com																
	Project Name/Location (City, State)				Project #															
	FST-26 Ft. Stewart				30047054															
	Sampler's Printed Name				Sampler's Signature															
	Jen FIA				[Signature]															
	Sample ID		Collection		Type (✓)		Matrix													
	MW14		Date Time		Comp Grab															
	FST26-MW14 (102721)		10/27/21 1430		✓		W													
	FST26-MW39 (102821)		10/28/21 1025		✓		W													
	FST26-MW50 (102821)		10/28/21 1300		✓		W													
	FST26-MW51 (102821)		10/28/21 1118		✓		W													
	FST26-MW52 (102821)		10/28/21 1155		✓		W													
	FST26-MW25R (102921)		10/29/21 1044		✓		W													
	FST26-MW22 (102921)		10/29/21 1152		✓		W													
	DUP-01		10/27/21 -		✓		W													
	DUP-02		10/28/21 -		✓		W													
	TRIP BLANK		- -		-		W													
REMARKS																				
2 bottles																				
Just 10/29/21																				
Special Instructions/Comments:																				
Special QA/QC Instructions (✓):																				
Laboratory Information and Receipt																				
Lab Name		Cooler Custody Seal (✓)		Relinquished By		Received By		Relinquished By		Laboratory Received By										
Cooler packed with ice (✓)		Intact Not Intact		Printed Name: Jared Fina		Printed Name: Tyler Harkin		Printed Name:		Printed Name: Derek S. S.										
Specify Turnaround Requirements		Sample Receipt:		Signature: [Signature]		Signature: [Signature]		Signature:		Signature: [Signature]										
Shipping Tracking #		Condition/Cooler Temp:		Firm: ARCADIS		Firm/Courier:		Firm/Courier:		Firm: TA										
				Date/Time: 10/29/21 1534		Date/Time: 10/29 1534		Date/Time:		Date/Time: 10-29-21 1630										

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW36R (102721)

Lab Sample ID: 680-206713-1

Date Collected: 10/27/21 15:46

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/06/21 15:04	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/06/21 15:04	1
Methyl tert-butyl ether	0.53	J M	2.0	0.40	0.19	ug/L		11/06/21 15:04	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		11/06/21 15:04	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/06/21 15:04	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/06/21 15:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		89 - 112		11/06/21 15:04	1
1,2-Dichloroethane-d4 (Surr)	98		81 - 118		11/06/21 15:04	1
4-Bromofluorobenzene (Surr)	100		85 - 114		11/06/21 15:04	1
Dibromofluoromethane (Surr)	97		80 - 119		11/06/21 15:04	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW28R (102721)

Lab Sample ID: 680-206713-2

Date Collected: 10/27/21 14:31

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/06/21 15:27	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/06/21 15:27	1
Methyl tert-butyl ether	0.40	U	2.0	0.40	0.19	ug/L		11/06/21 15:27	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		11/06/21 15:27	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/06/21 15:27	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/06/21 15:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		89 - 112		11/06/21 15:27	1
1,2-Dichloroethane-d4 (Surr)	99		81 - 118		11/06/21 15:27	1
4-Bromofluorobenzene (Surr)	100		85 - 114		11/06/21 15:27	1
Dibromofluoromethane (Surr)	97		80 - 119		11/06/21 15:27	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW55 (102721)

Lab Sample ID: 680-206713-3

Date Collected: 10/27/21 17:21

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 13:30	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 13:30	1
Methyl tert-butyl ether	0.40	U	2.0	0.40	0.19	ug/L		11/08/21 13:30	1
Naphthalene	0.40	U-Q UJ	1.0	0.40	0.15	ug/L		11/08/21 13:30	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 13:30	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 13:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		89 - 112		11/08/21 13:30	1
1,2-Dichloroethane-d4 (Surr)	103		81 - 118		11/08/21 13:30	1
4-Bromofluorobenzene (Surr)	102		85 - 114		11/08/21 13:30	1
Dibromofluoromethane (Surr)	99		80 - 119		11/08/21 13:30	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW38 (102821)

Lab Sample ID: 680-206713-4

Date Collected: 10/28/21 10:31

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 13:53	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 13:53	1
Methyl tert-butyl ether	2.9		2.0	0.40	0.19	ug/L		11/08/21 13:53	1
Naphthalene	0.40	U-Q UJ	1.0	0.40	0.15	ug/L		11/08/21 13:53	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 13:53	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 13:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		89 - 112		11/08/21 13:53	1
1,2-Dichloroethane-d4 (Surr)	97		81 - 118		11/08/21 13:53	1
4-Bromofluorobenzene (Surr)	99		85 - 114		11/08/21 13:53	1
Dibromofluoromethane (Surr)	99		80 - 119		11/08/21 13:53	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW54 (102821)

Lab Sample ID: 680-206713-5

Date Collected: 10/28/21 11:28

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 14:16	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 14:16	1
Methyl tert-butyl ether	2.5		2.0	0.40	0.19	ug/L		11/08/21 14:16	1
Naphthalene	0.40	U-Q UJ	1.0	0.40	0.15	ug/L		11/08/21 14:16	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 14:16	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 14:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		89 - 112		11/08/21 14:16	1
1,2-Dichloroethane-d4 (Surr)	101		81 - 118		11/08/21 14:16	1
4-Bromofluorobenzene (Surr)	103		85 - 114		11/08/21 14:16	1
Dibromofluoromethane (Surr)	101		80 - 119		11/08/21 14:16	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW44 (102821)

Lab Sample ID: 680-206713-6

Date Collected: 10/28/21 14:26

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 14:39	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 14:39	1
Methyl tert-butyl ether	15		2.0	0.40	0.19	ug/L		11/08/21 14:39	1
Naphthalene	0.40	U-Q UJ	1.0	0.40	0.15	ug/L		11/08/21 14:39	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 14:39	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 14:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		89 - 112		11/08/21 14:39	1
1,2-Dichloroethane-d4 (Surr)	100		81 - 118		11/08/21 14:39	1
4-Bromofluorobenzene (Surr)	98		85 - 114		11/08/21 14:39	1
Dibromofluoromethane (Surr)	97		80 - 119		11/08/21 14:39	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW57 (102821)

Lab Sample ID: 680-206713-7

Date Collected: 10/28/21 15:24

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 15:02	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 15:02	1
Methyl tert-butyl ether	11		2.0	0.40	0.19	ug/L		11/08/21 15:02	1
Naphthalene	0.40	U-Q UJ	1.0	0.40	0.15	ug/L		11/08/21 15:02	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 15:02	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 15:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		89 - 112		11/08/21 15:02	1
1,2-Dichloroethane-d4 (Surr)	101		81 - 118		11/08/21 15:02	1
4-Bromofluorobenzene (Surr)	102		85 - 114		11/08/21 15:02	1
Dibromofluoromethane (Surr)	98		80 - 119		11/08/21 15:02	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW19 (102821)

Lab Sample ID: 680-206713-8

Date Collected: 10/28/21 16:44

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 15:25	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 15:25	1
Methyl tert-butyl ether	0.24	J	2.0	0.40	0.19	ug/L		11/08/21 15:25	1
Naphthalene	0.40	U-Q UJ	1.0	0.40	0.15	ug/L		11/08/21 15:25	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 15:25	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 15:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		89 - 112		11/08/21 15:25	1
1,2-Dichloroethane-d4 (Surr)	100		81 - 118		11/08/21 15:25	1
4-Bromofluorobenzene (Surr)	100		85 - 114		11/08/21 15:25	1
Dibromofluoromethane (Surr)	100		80 - 119		11/08/21 15:25	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW56 (102821)

Lab Sample ID: 680-206713-9

Date Collected: 10/28/21 17:48

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 15:48	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 15:48	1
Methyl tert-butyl ether	4.4		2.0	0.40	0.19	ug/L		11/08/21 15:48	1
Naphthalene	0.40	U-Q UJ	1.0	0.40	0.15	ug/L		11/08/21 15:48	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 15:48	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 15:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		89 - 112		11/08/21 15:48	1
1,2-Dichloroethane-d4 (Surr)	102		81 - 118		11/08/21 15:48	1
4-Bromofluorobenzene (Surr)	101		85 - 114		11/08/21 15:48	1
Dibromofluoromethane (Surr)	99		80 - 119		11/08/21 15:48	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW05 (102821)

Lab Sample ID: 680-206713-10

Date Collected: 10/28/21 13:11

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 16:10	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 16:10	1
Methyl tert-butyl ether	0.40	U	2.0	0.40	0.19	ug/L		11/08/21 16:10	1
Naphthalene	0.40	U-Q UJ	1.0	0.40	0.15	ug/L		11/08/21 16:10	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 16:10	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 16:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		89 - 112		11/08/21 16:10	1
1,2-Dichloroethane-d4 (Surr)	101		81 - 118		11/08/21 16:10	1
4-Bromofluorobenzene (Surr)	100		85 - 114		11/08/21 16:10	1
Dibromofluoromethane (Surr)	98		80 - 119		11/08/21 16:10	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW13 (102821)

Lab Sample ID: 680-206713-11

Date Collected: 10/28/21 16:26

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	2.0	U	5.0	2.0	0.65	ug/L		11/08/21 19:21	5
Ethylbenzene	2.0	U	5.0	2.0	0.75	ug/L		11/08/21 19:21	5
Methyl tert-butyl ether	2.0	U	10	2.0	0.95	ug/L		11/08/21 19:21	5
Naphthalene	2.0	U-Q UJ	5.0	2.0	0.75	ug/L		11/08/21 19:21	5
Toluene	4.0	U	5.0	4.0	1.3	ug/L		11/08/21 19:21	5
Xylenes, Total	6.0	U	7.5	6.0	0.90	ug/L		11/08/21 19:21	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		89 - 112		11/08/21 19:21	5
1,2-Dichloroethane-d4 (Surr)	100		81 - 118		11/08/21 19:21	5
4-Bromofluorobenzene (Surr)	100		85 - 114		11/08/21 19:21	5
Dibromofluoromethane (Surr)	97		80 - 119		11/08/21 19:21	5

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW23 (102821)

Lab Sample ID: 680-206713-12

Date Collected: 10/28/21 17:36

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 16:41	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 16:41	1
Methyl tert-butyl ether	0.86	J	2.0	0.40	0.19	ug/L		11/08/21 16:41	1
Naphthalene	0.40	U-Q UJ	1.0	0.40	0.15	ug/L		11/08/21 16:41	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 16:41	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 16:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		89 - 112		11/08/21 16:41	1
1,2-Dichloroethane-d4 (Surr)	101		81 - 118		11/08/21 16:41	1
4-Bromofluorobenzene (Surr)	101		85 - 114		11/08/21 16:41	1
Dibromofluoromethane (Surr)	97		80 - 119		11/08/21 16:41	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Job ID: 680-206713-1

Client Sample ID: FST26 - MW03 (102721)

Lab Sample ID: 680-206713-13

Date Collected: 10/27/21 15:55

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	2.0	U	5.0	2.0	0.65	ug/L		11/08/21 19:44	5
Ethylbenzene	2.0	U	5.0	2.0	0.75	ug/L		11/08/21 19:44	5
Methyl tert-butyl ether	2.0	U	10	2.0	0.95	ug/L		11/08/21 19:44	5
Naphthalene	2.0	U-Q UJ	5.0	2.0	0.75	ug/L		11/08/21 19:44	5
Toluene	4.0	U	5.0	4.0	1.3	ug/L		11/08/21 19:44	5
Xylenes, Total	6.0	U	7.5	6.0	0.90	ug/L		11/08/21 19:44	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		89 - 112		11/08/21 19:44	5
1,2-Dichloroethane-d4 (Surr)	99		81 - 118		11/08/21 19:44	5
4-Bromofluorobenzene (Surr)	99		85 - 114		11/08/21 19:44	5
Dibromofluoromethane (Surr)	94		80 - 119		11/08/21 19:44	5

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW12 (102721)

Lab Sample ID: 680-206713-14

Date Collected: 10/27/21 17:00

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	2.0	U	5.0	2.0	0.65	ug/L		11/08/21 20:07	5
Ethylbenzene	2.0	U	5.0	2.0	0.75	ug/L		11/08/21 20:07	5
Methyl tert-butyl ether	2.0	U	10	2.0	0.95	ug/L		11/08/21 20:07	5
Naphthalene	2.0	U-Q UJ	5.0	2.0	0.75	ug/L		11/08/21 20:07	5
Toluene	4.0	U	5.0	4.0	1.3	ug/L		11/08/21 20:07	5
Xylenes, Total	6.0	U	7.5	6.0	0.90	ug/L		11/08/21 20:07	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		89 - 112		11/08/21 20:07	5
1,2-Dichloroethane-d4 (Surr)	101		81 - 118		11/08/21 20:07	5
4-Bromofluorobenzene (Surr)	98		85 - 114		11/08/21 20:07	5
Dibromofluoromethane (Surr)	97		80 - 119		11/08/21 20:07	5

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW14 (102721)

Lab Sample ID: 680-206713-15

Date Collected: 10/27/21 14:30

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	2.0	U	5.0	2.0	0.65	ug/L		11/08/21 20:30	5
Ethylbenzene	2.0	U	5.0	2.0	0.75	ug/L		11/08/21 20:30	5
Methyl tert-butyl ether	2.0	U	10	2.0	0.95	ug/L		11/08/21 20:30	5
Naphthalene	2.0	U-Q UJ	5.0	2.0	0.75	ug/L		11/08/21 20:30	5
Toluene	4.0	U	5.0	4.0	1.3	ug/L		11/08/21 20:30	5
Xylenes, Total	6.0	U	7.5	6.0	0.90	ug/L		11/08/21 20:30	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		89 - 112		11/08/21 20:30	5
1,2-Dichloroethane-d4 (Surr)	95		81 - 118		11/08/21 20:30	5
4-Bromofluorobenzene (Surr)	96		85 - 114		11/08/21 20:30	5
Dibromofluoromethane (Surr)	95		80 - 119		11/08/21 20:30	5

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW39 (102821)

Lab Sample ID: 680-206713-16

Date Collected: 10/28/21 10:25

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 17:04	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 17:04	1
Methyl tert-butyl ether	9.2		2.0	0.40	0.19	ug/L		11/08/21 17:04	1
Naphthalene	0.40	U-Q UJ	1.0	0.40	0.15	ug/L		11/08/21 17:04	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 17:04	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 17:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		89 - 112		11/08/21 17:04	1
1,2-Dichloroethane-d4 (Surr)	97		81 - 118		11/08/21 17:04	1
4-Bromofluorobenzene (Surr)	100		85 - 114		11/08/21 17:04	1
Dibromofluoromethane (Surr)	94		80 - 119		11/08/21 17:04	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW50 (102821)

Lab Sample ID: 680-206713-17

Date Collected: 10/28/21 13:00

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 17:27	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 17:27	1
Methyl tert-butyl ether	0.73	J	2.0	0.40	0.19	ug/L		11/08/21 17:27	1
Naphthalene	0.40	U-Q UJ	1.0	0.40	0.15	ug/L		11/08/21 17:27	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 17:27	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 17:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		89 - 112		11/08/21 17:27	1
1,2-Dichloroethane-d4 (Surr)	99		81 - 118		11/08/21 17:27	1
4-Bromofluorobenzene (Surr)	100		85 - 114		11/08/21 17:27	1
Dibromofluoromethane (Surr)	94		80 - 119		11/08/21 17:27	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW51 (102821)

Lab Sample ID: 680-206713-18

Date Collected: 10/28/21 11:18

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 17:50	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 17:50	1
Methyl tert-butyl ether	16		2.0	0.40	0.19	ug/L		11/08/21 17:50	1
Naphthalene	0.40	U-Q UJ	1.0	0.40	0.15	ug/L		11/08/21 17:50	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 17:50	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 17:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		89 - 112		11/08/21 17:50	1
1,2-Dichloroethane-d4 (Surr)	98		81 - 118		11/08/21 17:50	1
4-Bromofluorobenzene (Surr)	97		85 - 114		11/08/21 17:50	1
Dibromofluoromethane (Surr)	94		80 - 119		11/08/21 17:50	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW52 (102821)

Lab Sample ID: 680-206713-19

Date Collected: 10/28/21 11:55

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 18:13	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 18:13	1
Methyl tert-butyl ether	0.73	J	2.0	0.40	0.19	ug/L		11/08/21 18:13	1
Naphthalene	0.40	U-Q UJ	1.0	0.40	0.15	ug/L		11/08/21 18:13	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 18:13	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 18:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		89 - 112		11/08/21 18:13	1
1,2-Dichloroethane-d4 (Surr)	99		81 - 118		11/08/21 18:13	1
4-Bromofluorobenzene (Surr)	99		85 - 114		11/08/21 18:13	1
Dibromofluoromethane (Surr)	97		80 - 119		11/08/21 18:13	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW25R (102921)

Lab Sample ID: 680-206713-20

Date Collected: 10/29/21 10:44

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 18:36	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 18:36	1
Methyl tert-butyl ether	0.40	U	2.0	0.40	0.19	ug/L		11/08/21 18:36	1
Naphthalene	0.40	U-Q UJ	1.0	0.40	0.15	ug/L		11/08/21 18:36	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 18:36	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 18:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		89 - 112		11/08/21 18:36	1
1,2-Dichloroethane-d4 (Surr)	99		81 - 118		11/08/21 18:36	1
4-Bromofluorobenzene (Surr)	98		85 - 114		11/08/21 18:36	1
Dibromofluoromethane (Surr)	97		80 - 119		11/08/21 18:36	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: FST26 - MW22 (102921)

Lab Sample ID: 680-206713-21

Date Collected: 10/29/21 11:52

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	2.0	U	5.0	2.0	0.65	ug/L		11/08/21 20:53	5
Ethylbenzene	2.0	U	5.0	2.0	0.75	ug/L		11/08/21 20:53	5
Methyl tert-butyl ether	2.0	U	10	2.0	0.95	ug/L		11/08/21 20:53	5
Naphthalene	2.0	U-Q UJ	5.0	2.0	0.75	ug/L		11/08/21 20:53	5
Toluene	4.0	U	5.0	4.0	1.3	ug/L		11/08/21 20:53	5
Xylenes, Total	6.0	U	7.5	6.0	0.90	ug/L		11/08/21 20:53	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		89 - 112		11/08/21 20:53	5
1,2-Dichloroethane-d4 (Surr)	98		81 - 118		11/08/21 20:53	5
4-Bromofluorobenzene (Surr)	98		85 - 114		11/08/21 20:53	5
Dibromofluoromethane (Surr)	94		80 - 119		11/08/21 20:53	5

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: DUP-01 (102721)

Lab Sample ID: 680-206713-22

Date Collected: 10/27/21 00:00

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U M	1.0	0.40	0.13	ug/L		11/08/21 17:36	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 17:36	1
Methyl tert-butyl ether	0.85	J	2.0	0.40	0.19	ug/L		11/08/21 17:36	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 17:36	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 17:36	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 17:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		89 - 112		11/08/21 17:36	1
1,2-Dichloroethane-d4 (Surr)	100		81 - 118		11/08/21 17:36	1
4-Bromofluorobenzene (Surr)	106		85 - 114		11/08/21 17:36	1
Dibromofluoromethane (Surr)	115		80 - 119		11/08/21 17:36	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: DUP-02 (102821)

Lab Sample ID: 680-206713-23

Date Collected: 10/28/21 00:00

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 18:59	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 18:59	1
Methyl tert-butyl ether	2.6		2.0	0.40	0.19	ug/L		11/08/21 18:59	1
Naphthalene	0.40	U-Q UJ	1.0	0.40	0.15	ug/L		11/08/21 18:59	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 18:59	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 18:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		89 - 112		11/08/21 18:59	1
1,2-Dichloroethane-d4 (Surr)	96		81 - 118		11/08/21 18:59	1
4-Bromofluorobenzene (Surr)	98		85 - 114		11/08/21 18:59	1
Dibromofluoromethane (Surr)	97		80 - 119		11/08/21 18:59	1

Client Sample Results

Client: ARCADIS U.S., Inc.

Job ID: 680-206713-1

Project/Site: Ft. Stewart Environmental Remediation (FST-26)

Client Sample ID: TRIP BLANK (102721)

Lab Sample ID: 680-206713-24

Date Collected: 10/27/21 00:00

Matrix: Water

Date Received: 10/29/21 16:30

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/08/21 14:10	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 14:10	1
Methyl tert-butyl ether	0.40	U	2.0	0.40	0.19	ug/L		11/08/21 14:10	1
Naphthalene	0.40	U	1.0	0.40	0.15	ug/L		11/08/21 14:10	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/08/21 14:10	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/08/21 14:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		89 - 112		11/08/21 14:10	1
1,2-Dichloroethane-d4 (Surr)	106		81 - 118		11/08/21 14:10	1
4-Bromofluorobenzene (Surr)	109		85 - 114		11/08/21 14:10	1
Dibromofluoromethane (Surr)	104		80 - 119		11/08/21 14:10	1

Fort Stewart/FST-26

DATA REVIEW

Savannah, Georgia

Volatile Organic Compounds

SDG # 680-206802-1

Analyses Performed by:
Eurofins TestAmerica
Savannah, GA

Report # 43547R
Review Level: Stage 2
Project: 30047054.03-FST-26



DATA REVIEW REPORT

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 680-206802-1 for samples collected in association with the Fort Stewart Site, Georgia. The review was conducted as a Tier II evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis
					VOC
FST26-MW18 (102821)	680-206802-1	Water	10/28/21		X
FST26-MW42 (102821)	680-206802-2	Water	10/28/21		X
FST26-MW43 (102821)	680-206802-3	Water	10/28/21		X
FST26-MW53 (102821)	680-206802-4	Water	10/28/21		X
Trip Blank	680-206802-5	Water	10/28/21		X

Note:

VOC = volatile organic compounds

DATA REVIEW REPORT

ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed Chain-of-Custody (COC) form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data Package Completeness and Compliance		X		X	

Note:

QA = Quality Assurance

DATA REVIEW REPORT

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8260B. Data were reviewed in accordance with USEPA National Functional Guidelines of October 1999.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified, and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes:

- Concentration (C) Qualifiers
 - U The analyte was not detected and was reported as less than the LOD. The LOD has been adjusted for any dilution or concentration of the sample.
 - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
 - E The compound was quantitated above the calibration range.
 - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
 - J The reported result was an estimated value with an unknown bias.
 - UJ The analyte was not detected and was reported as less than the LOD. However, the associated numerical value is approximate.
 - UB Compound considered non-detect at the listed value due to associated blank contamination.
 - R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

DATA REVIEW REPORT

VOLATILE ORGANIC COMPOUNDS ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8260B	Water	14 days from collection to analysis (preserved)	Cool to <6 °C; preserved to a pH of less than 2 s.u.

All samples were analyzed within the specified holding time.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method, and Trip blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Instrument blanks measure carryover in the instrument from one sample to another. Method blanks measure laboratory contamination.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank is calculated for QA blanks containing concentrations greater than the limit of detection (LOD). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the LOD in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

MS/MSD analysis was not performed on any of the samples from this SDG.

DATA REVIEW REPORT

5. Laboratory Control Sample/ Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery and RPD within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries within the control limits.

Sample locations associated with LCS/LCSD recoveries exhibiting an RPD greater than of the control limit presented in the following table.

Sample Locations	Compound
FST26-MW18 (102821) FST26-MW42 (102821) FST26-MW43 (102821) FST26-MW53 (102821) Trip Blank	Naphthalene

The criteria used to evaluate the RPD between the LCS/LCSD recoveries are presented in the following table. In the case of an RPD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> UL	Non-detect	UJ
	Detect	J

6. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices or three times the RL is applied for soil matrices.

Field duplicate sample was not collected from this SDG.

7. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA REVIEW REPORT

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: SW-846 8260B	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks	X				X
C. Trip blanks		X		X	
Laboratory Control Sample (LCS)		X		X	
Laboratory Control Sample Duplicate (LCSD)		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS)	X				X
Matrix Spike Duplicate (MSD)	X				X
MS/MSD Precision (RPD)	X				X
Field/Lab Duplicate (RPD)	X				X
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	

Notes:

%R = percent recovery

RPD = relative percent difference

%D = percent difference

DATA REVIEW REPORT

VALIDATION PERFORMED BY: Bhagyashree Fulzele

SIGNATURE:



DATE: November 25, 2021

PEER REVIEW: Dennis Capria

DATE: November 26, 2021

CHAIN OF CUSTODY

**CORRECTED SAMPLE ANALYSIS DATA
SHEETS**



Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:[illegible]

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11/16/2021

1.0/1.

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Stewart (FST-26)

Job ID: 680-206802-1

Client Sample ID: FST26-MW18 (102821)

Lab Sample ID: 680-206802-1

Date Collected: 10/28/21 16:50

Matrix: Water

Date Received: 11/02/21 10:35

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/09/21 14:35	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/09/21 14:35	1
Methyl tert-butyl ether	0.40	U	2.0	0.40	0.19	ug/L		11/09/21 14:35	1
Naphthalene	0.76	J-Q J	1.0	0.40	0.15	ug/L		11/09/21 14:35	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/09/21 14:35	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/09/21 14:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		89 - 112		11/09/21 14:35	1
1,2-Dichloroethane-d4 (Surr)	106		81 - 118		11/09/21 14:35	1
4-Bromofluorobenzene (Surr)	107		85 - 114		11/09/21 14:35	1
Dibromofluoromethane (Surr)	111		80 - 119		11/09/21 14:35	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Stewart (FST-26)

Job ID: 680-206802-1

Client Sample ID: FST26-MW42 (102821)

Lab Sample ID: 680-206802-2

Date Collected: 10/28/21 15:40

Matrix: Water

Date Received: 11/02/21 10:35

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/09/21 14:58	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/09/21 14:58	1
Methyl tert-butyl ether	18		2.0	0.40	0.19	ug/L		11/09/21 14:58	1
Naphthalene	0.40	U-Q UJ	1.0	0.40	0.15	ug/L		11/09/21 14:58	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/09/21 14:58	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/09/21 14:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		89 - 112		11/09/21 14:58	1
1,2-Dichloroethane-d4 (Surr)	105		81 - 118		11/09/21 14:58	1
4-Bromofluorobenzene (Surr)	111		85 - 114		11/09/21 14:58	1
Dibromofluoromethane (Surr)	110		80 - 119		11/09/21 14:58	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Stewart (FST-26)

Job ID: 680-206802-1

Client Sample ID: FST26-MW43 (102821)

Lab Sample ID: 680-206802-3

Date Collected: 10/28/21 17:55

Matrix: Water

Date Received: 11/02/21 10:35

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/09/21 15:21	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/09/21 15:21	1
Methyl tert-butyl ether	40		2.0	0.40	0.19	ug/L		11/09/21 15:21	1
Naphthalene	0.40	U-Q UJ	1.0	0.40	0.15	ug/L		11/09/21 15:21	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/09/21 15:21	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/09/21 15:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		89 - 112		11/09/21 15:21	1
1,2-Dichloroethane-d4 (Surr)	104		81 - 118		11/09/21 15:21	1
4-Bromofluorobenzene (Surr)	109		85 - 114		11/09/21 15:21	1
Dibromofluoromethane (Surr)	114		80 - 119		11/09/21 15:21	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Stewart (FST-26)

Job ID: 680-206802-1

Client Sample ID: FST26-MW53 (102821)

Lab Sample ID: 680-206802-4

Date Collected: 10/28/21 14:20

Matrix: Water

Date Received: 11/02/21 10:35

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/09/21 15:44	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/09/21 15:44	1
Methyl tert-butyl ether	3.3		2.0	0.40	0.19	ug/L		11/09/21 15:44	1
Naphthalene	0.40	U-Q UJ	1.0	0.40	0.15	ug/L		11/09/21 15:44	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/09/21 15:44	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/09/21 15:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		89 - 112		11/09/21 15:44	1
1,2-Dichloroethane-d4 (Surr)	106		81 - 118		11/09/21 15:44	1
4-Bromofluorobenzene (Surr)	107		85 - 114		11/09/21 15:44	1
Dibromofluoromethane (Surr)	107		80 - 119		11/09/21 15:44	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ft. Stewart (FST-26)

Job ID: 680-206802-1

Client Sample ID: Trip Blank

Lab Sample ID: 680-206802-5

Date Collected: 10/28/21 00:00

Matrix: Water

Date Received: 11/02/21 10:35

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

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	0.40	U	1.0	0.40	0.13	ug/L		11/09/21 13:27	1
Ethylbenzene	0.40	U	1.0	0.40	0.15	ug/L		11/09/21 13:27	1
Methyl tert-butyl ether	0.40	U	2.0	0.40	0.19	ug/L		11/09/21 13:27	1
Naphthalene	0.40	U-Q UJ	1.0	0.40	0.15	ug/L		11/09/21 13:27	1
Toluene	0.80	U	1.0	0.80	0.25	ug/L		11/09/21 13:27	1
Xylenes, Total	1.2	U	1.5	1.2	0.18	ug/L		11/09/21 13:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		89 - 112		11/09/21 13:27	1
1,2-Dichloroethane-d4 (Surr)	103		81 - 118		11/09/21 13:27	1
4-Bromofluorobenzene (Surr)	107		85 - 114		11/09/21 13:27	1
Dibromofluoromethane (Surr)	113		80 - 119		11/09/21 13:27	1

APPENDIX C

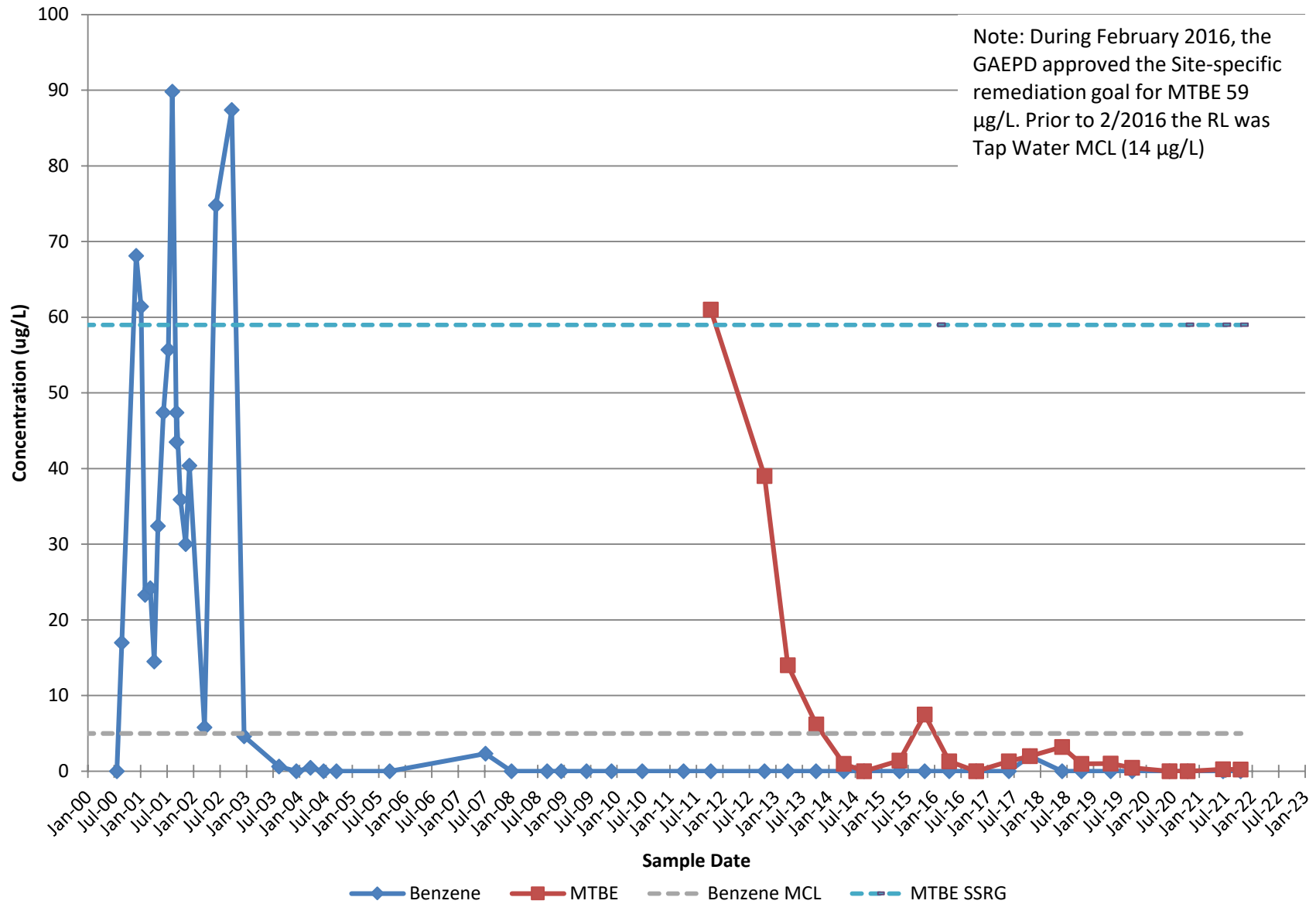
CONCENTRATION GRAPHS

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Monitoring Well MW-19 Concentration Graph

SWMU 26, Fort Stewart, Georgia

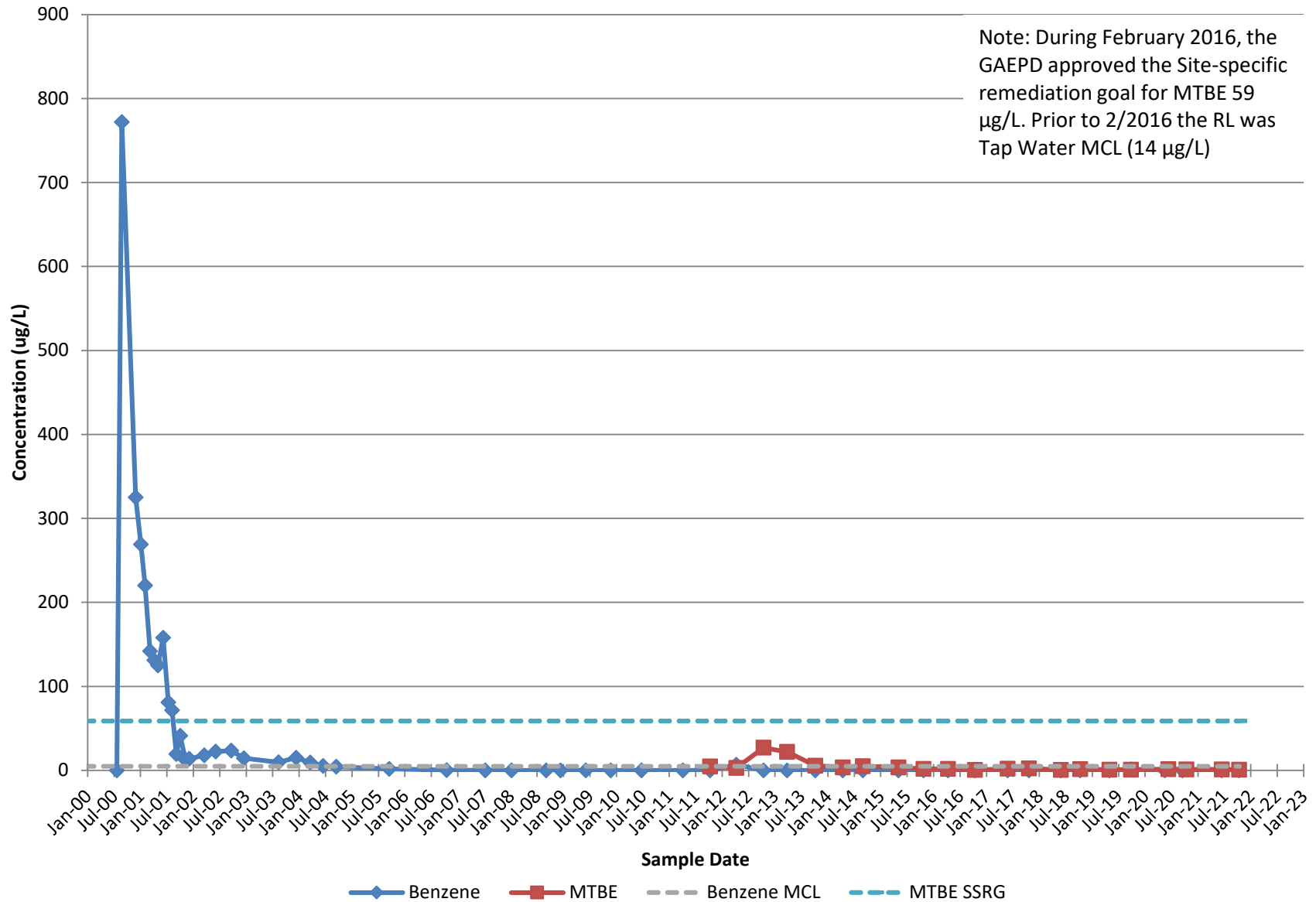
Note: During February 2016, the GAEPD approved the Site-specific remediation goal for MTBE 59 µg/L. Prior to 2/2016 the RL was Tap Water MCL (14 µg/L)



Monitoring Well MW-23 Concentration Graph

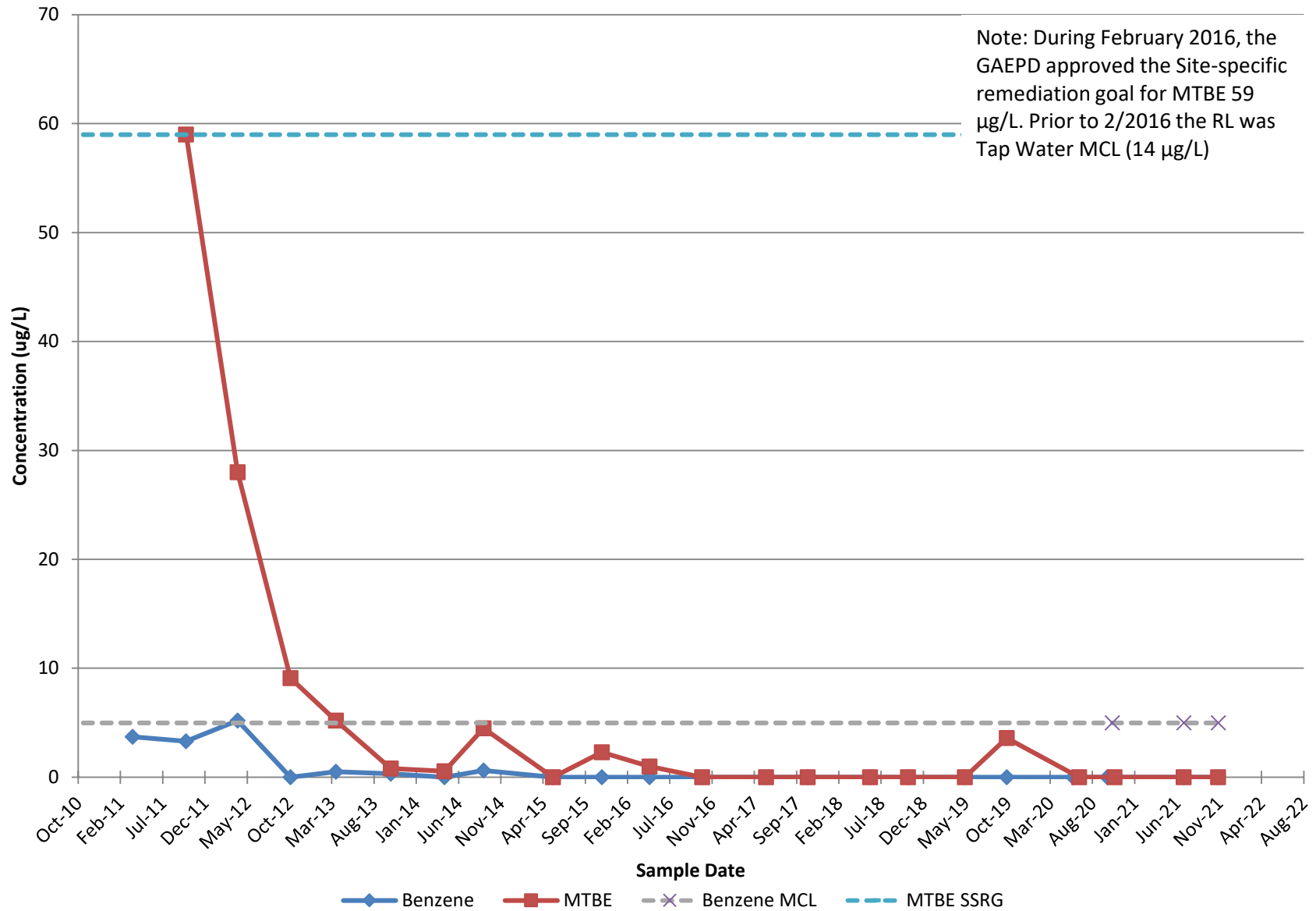
SWMU 26, Fort Stewart, Georgia

Note: During February 2016, the GAEPD approved the Site-specific remediation goal for MTBE 59 µg/L. Prior to 2/2016 the RL was Tap Water MCL (14 µg/L)



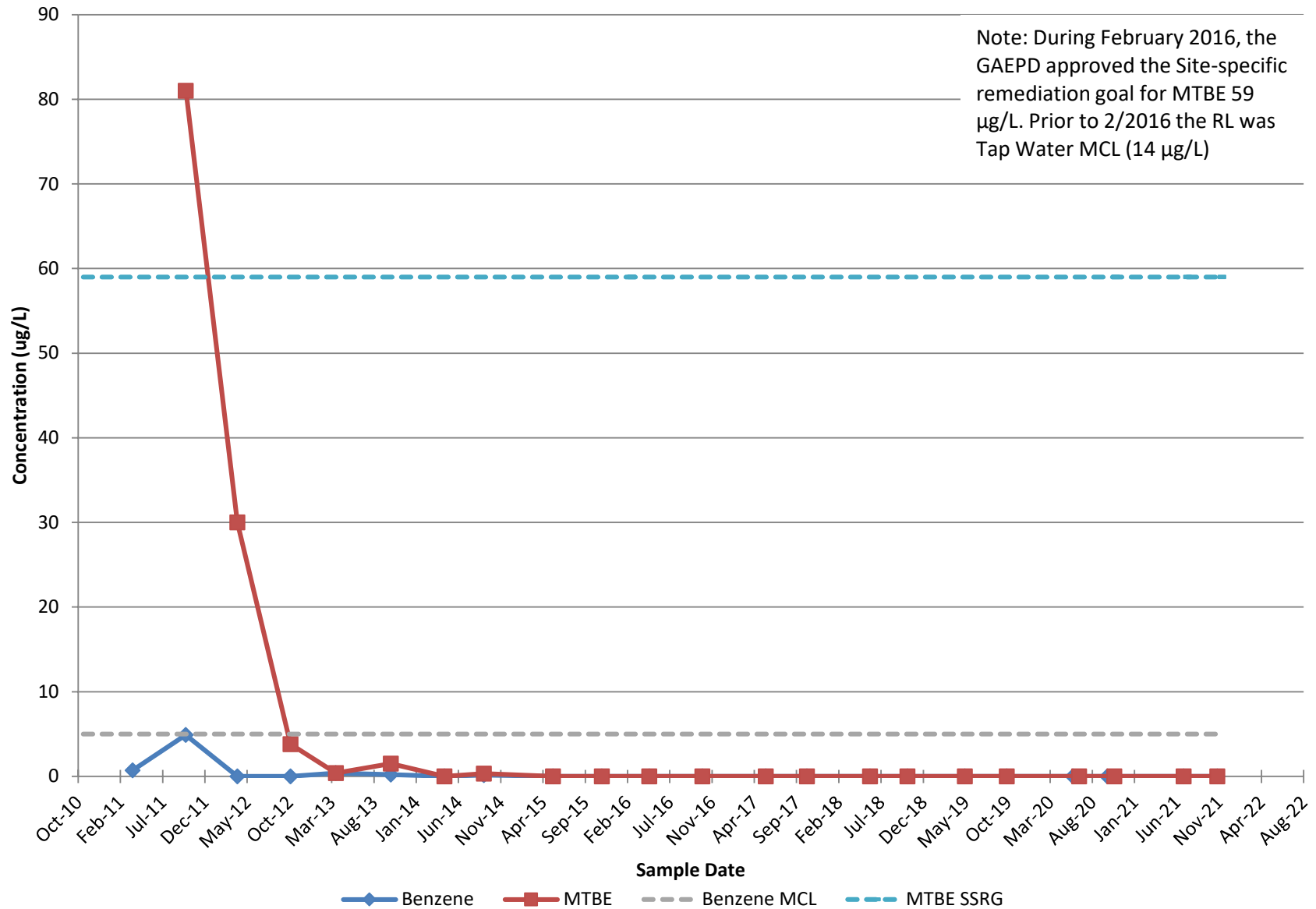
Monitoring Well MW-25R Concentration Graph

SWMU 26, Fort Stewart, Georgia



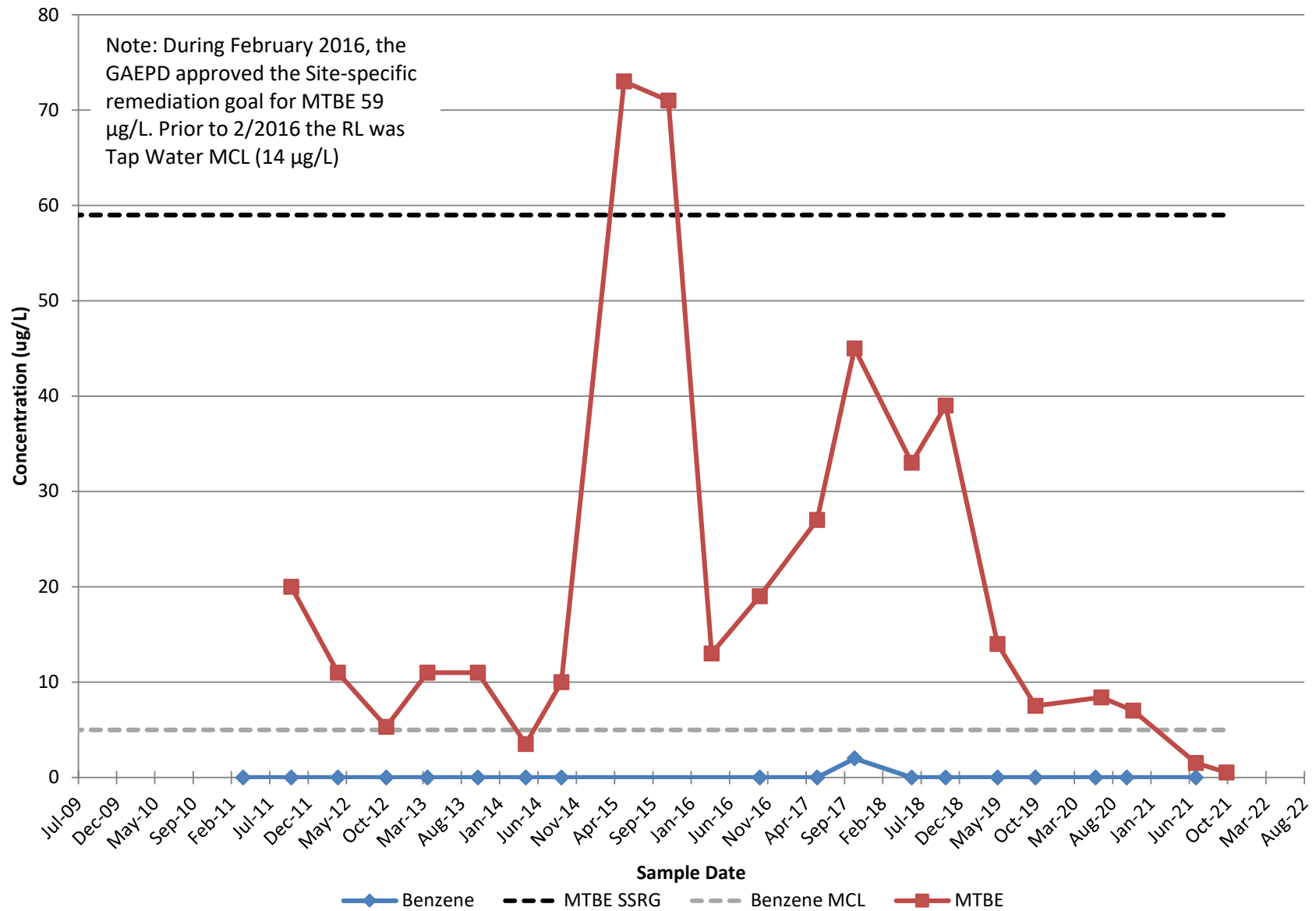
Monitoring Well MW-28R Concentration Graph

SWMU 26, Fort Stewart, Georgia



Monitoring Well MW-36R Concentration Graph

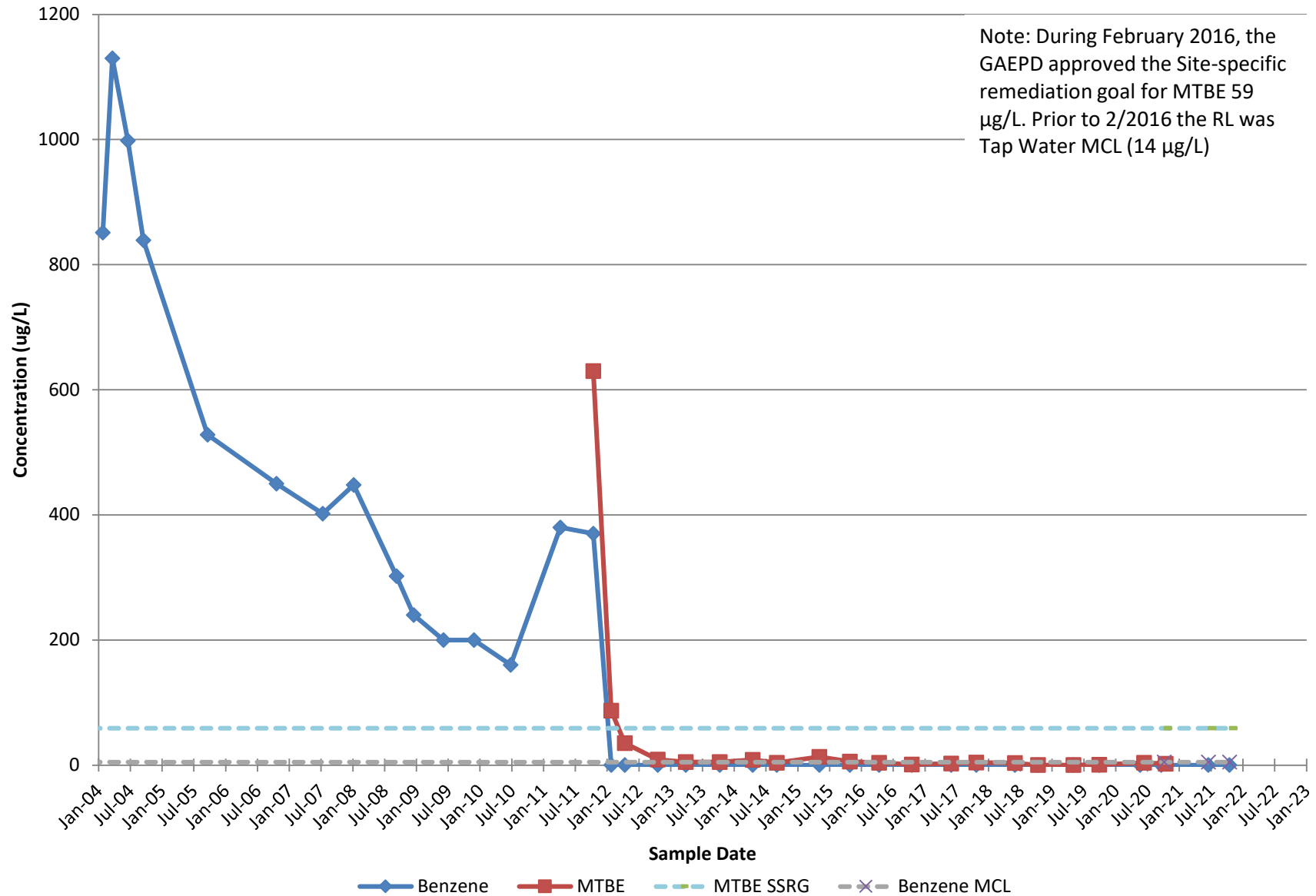
SWMU 26, Fort Stewart, Georgia



Monitoring Well MW-38 Concentration Graph

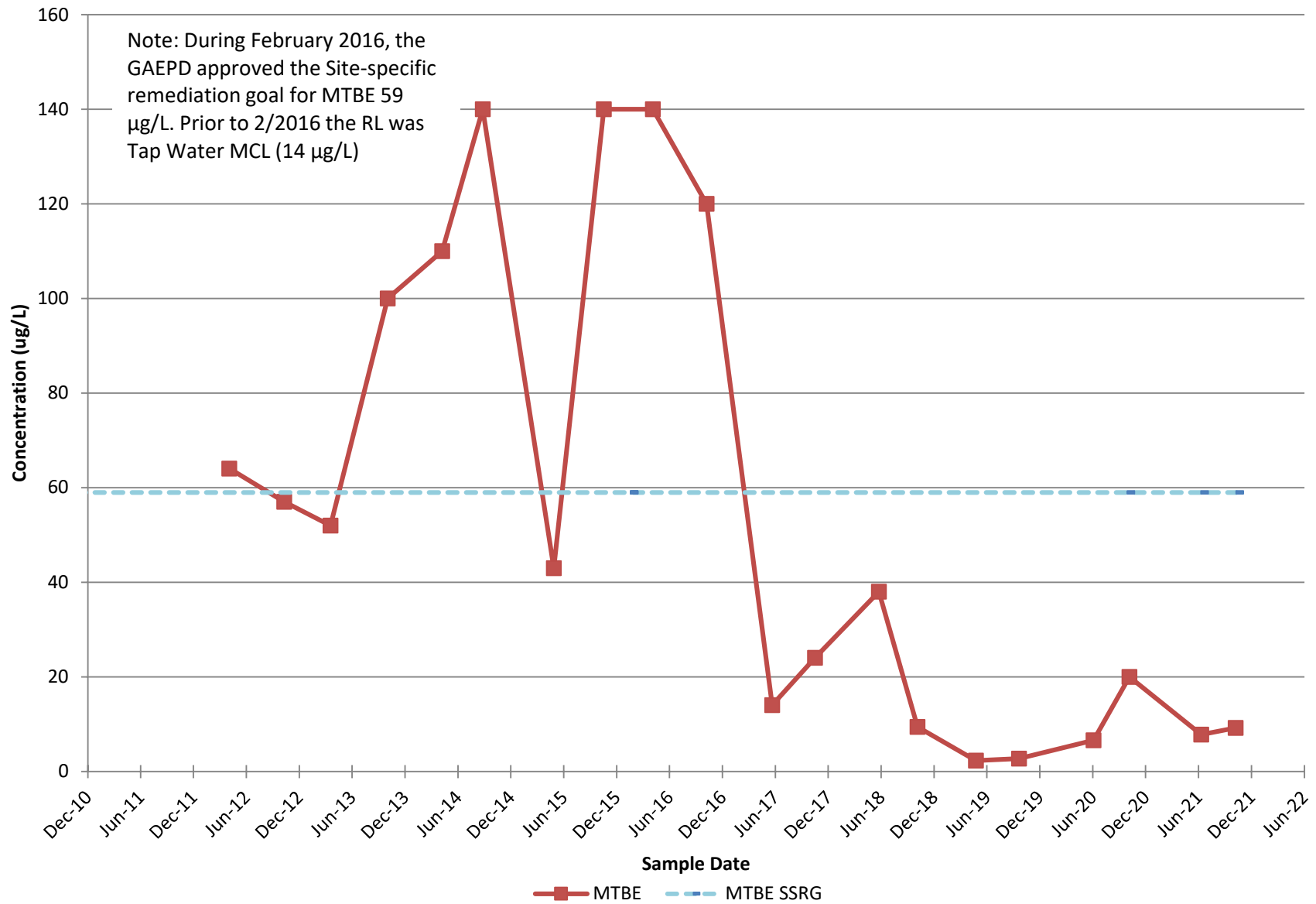
SWMU 26, Fort Stewart, Georgia

Note: During February 2016, the GAEPD approved the Site-specific remediation goal for MTBE 59 µg/L. Prior to 2/2016 the RL was Tap Water MCL (14 µg/L)



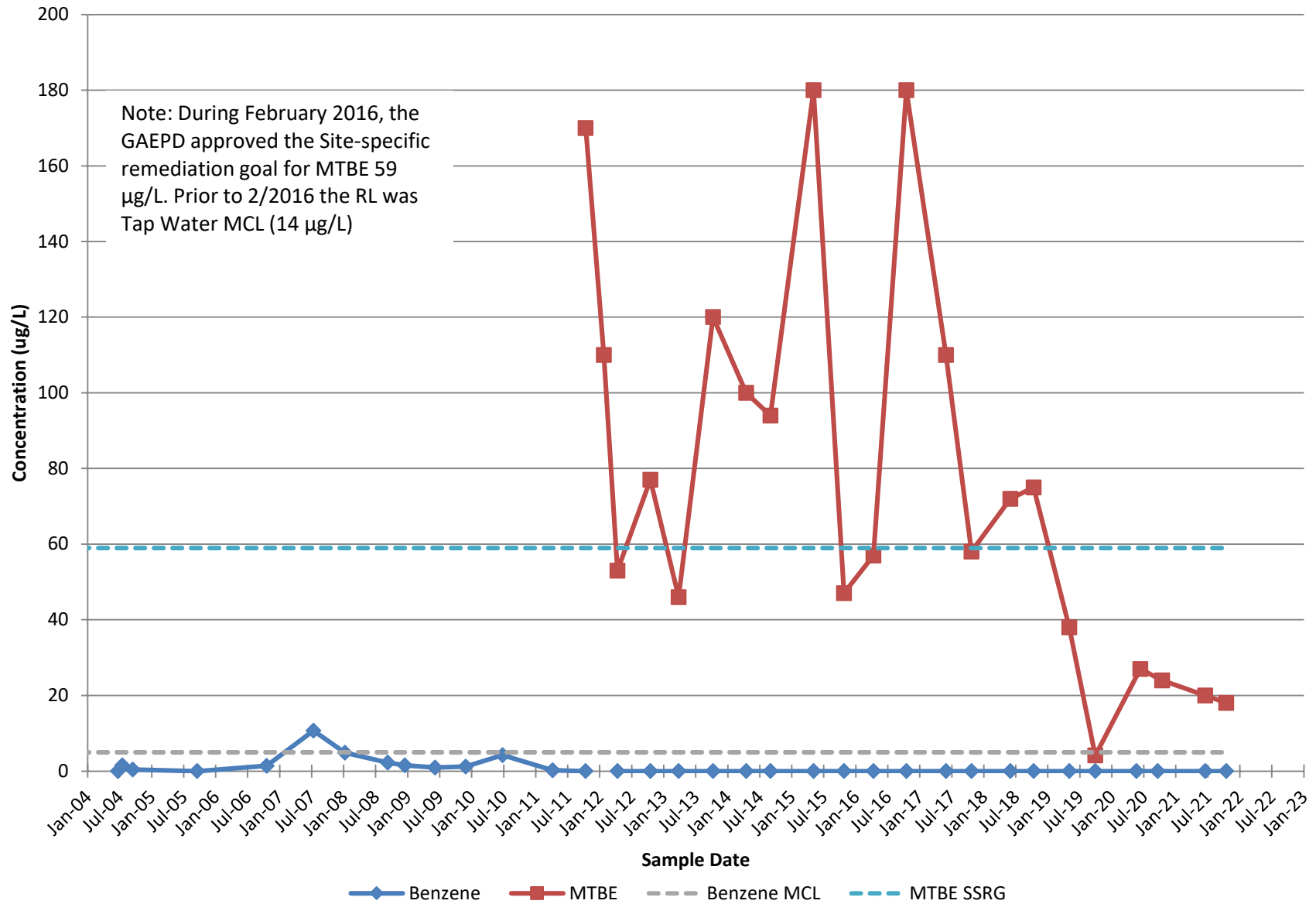
Monitoring Well MW-39 Concentration Graph

SWMU 26, Fort Stewart, Georgia



Monitoring Well MW-42 Concentration Graphs

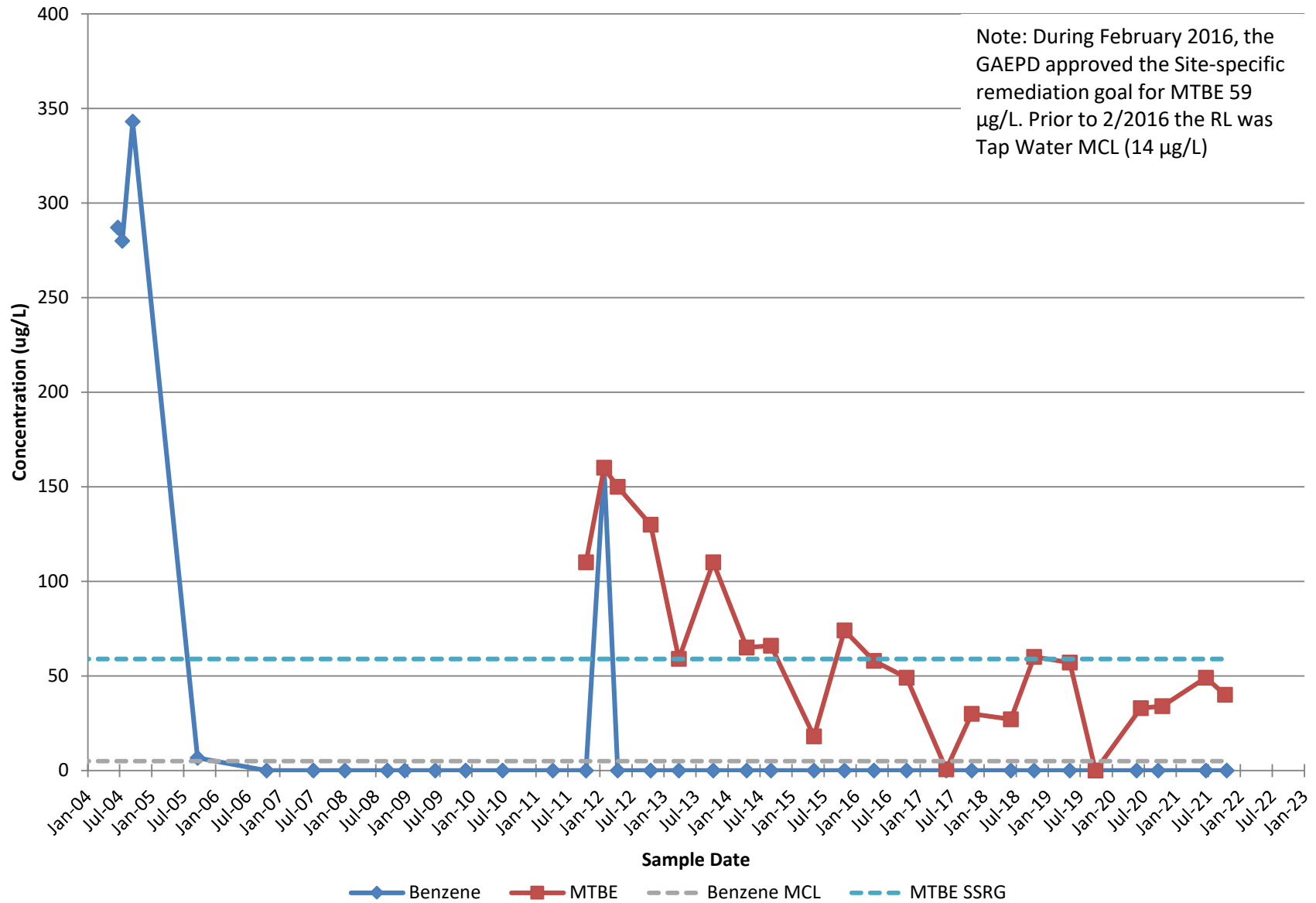
SWMU 26, Fort Stewart, Georgia



Monitoring Well MW-43 Concentration Graphs

SWMU 26, Fort Stewart, Georgia

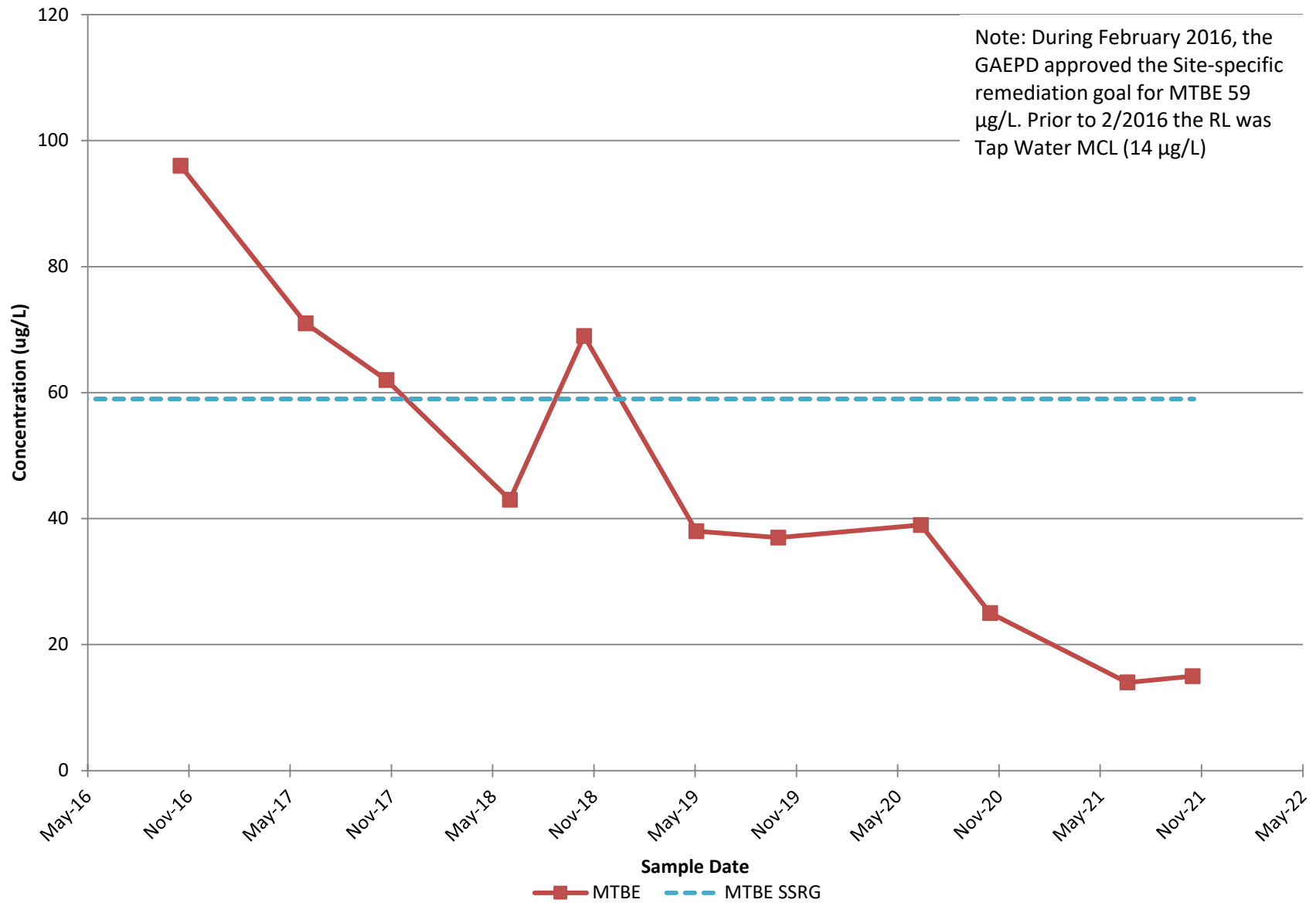
Note: During February 2016, the GAEPD approved the Site-specific remediation goal for MTBE 59 µg/L. Prior to 2/2016 the RL was Tap Water MCL (14 µg/L)



Monitoring Well MW-44 Concentration Graphs

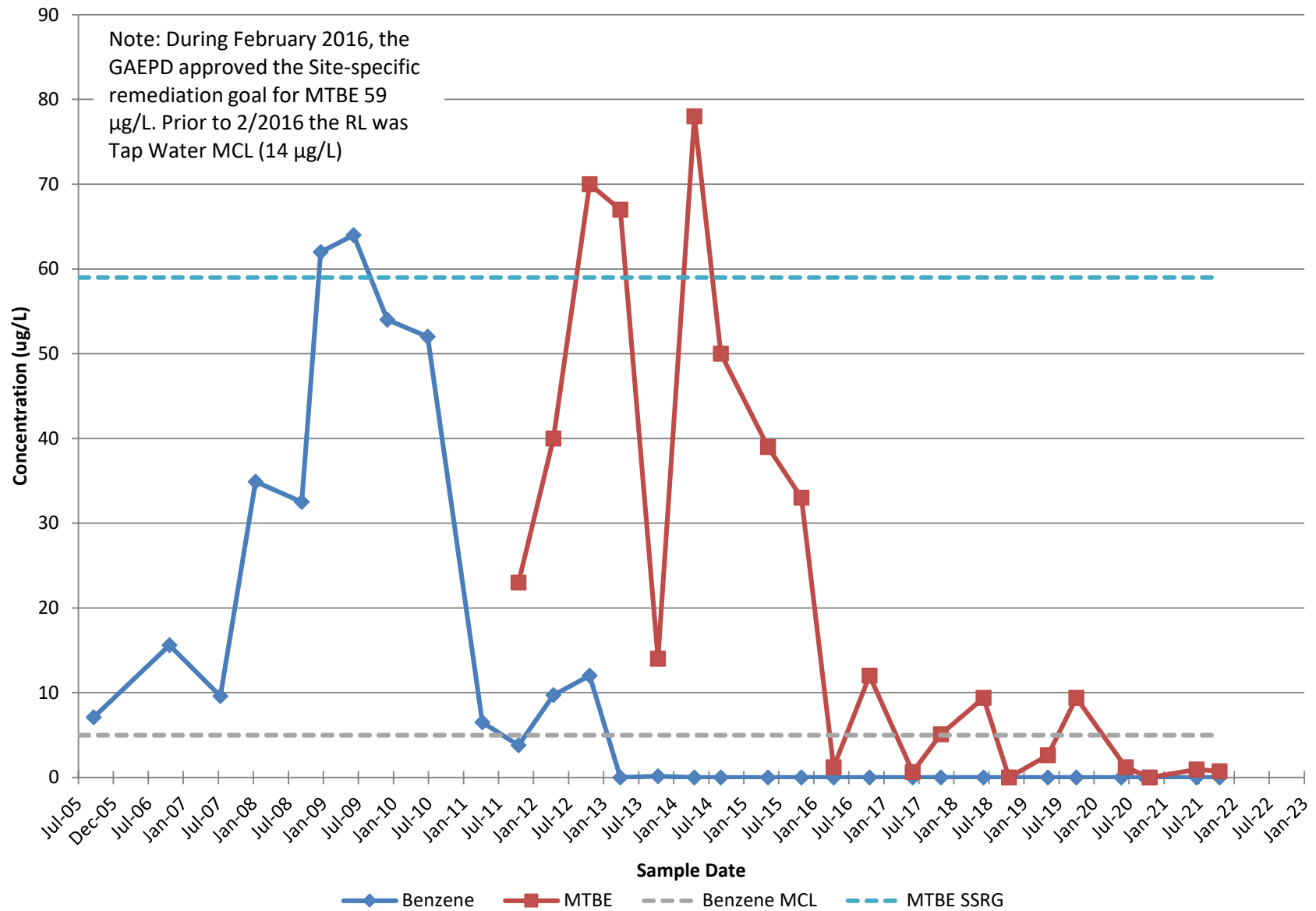
SWMU 26, Fort Stewart, Georgia

Note: During February 2016, the GAEPD approved the Site-specific remediation goal for MTBE 59 µg/L. Prior to 2/2016 the RL was Tap Water MCL (14 µg/L)



Monitoring Well MW-50 Concentration Graphs

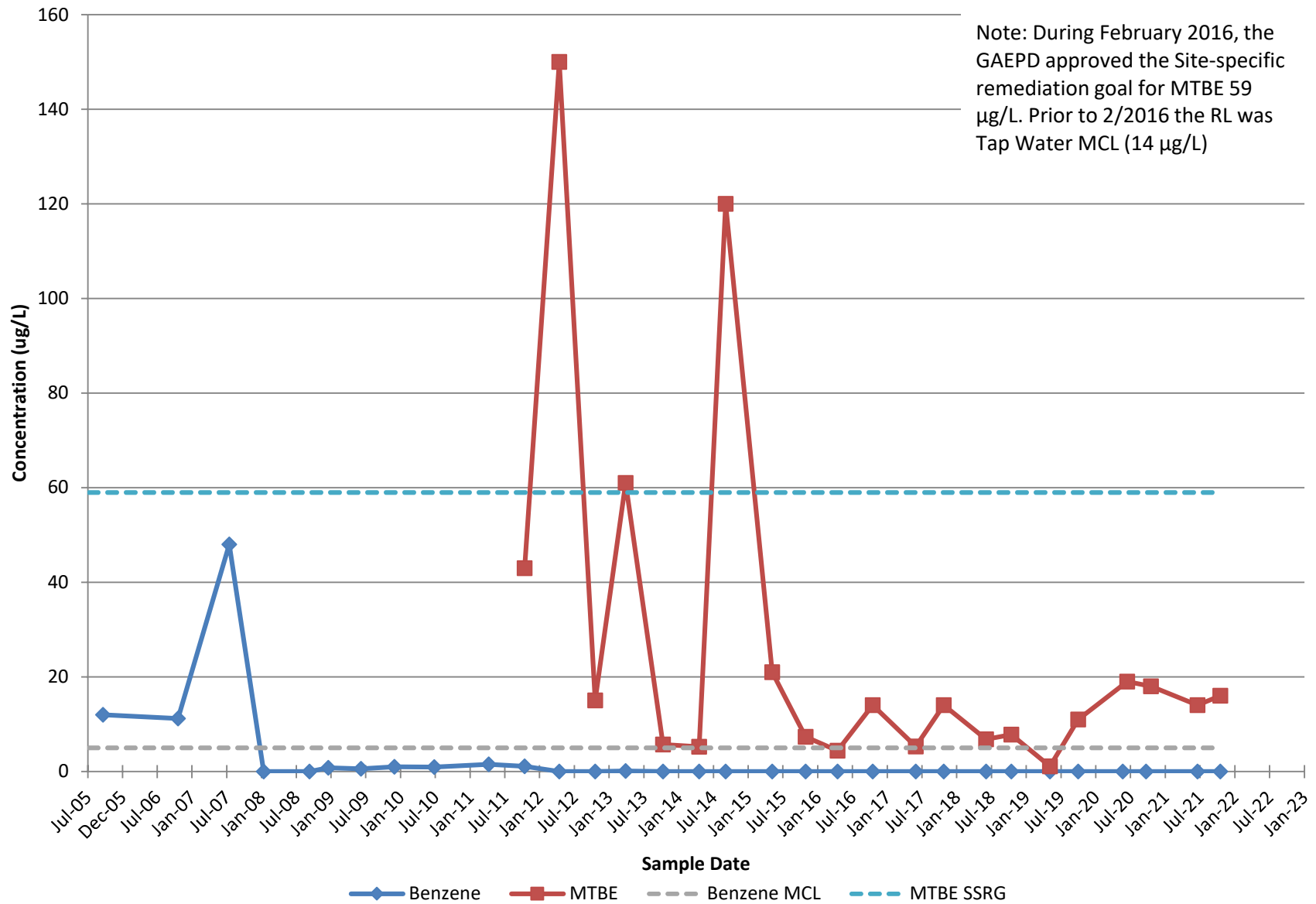
SWMU 26, Fort Stewart, Georgia



Monitoring Well MW-51 Concentration Graphs

SWMU 26, Fort Stewart, Georgia

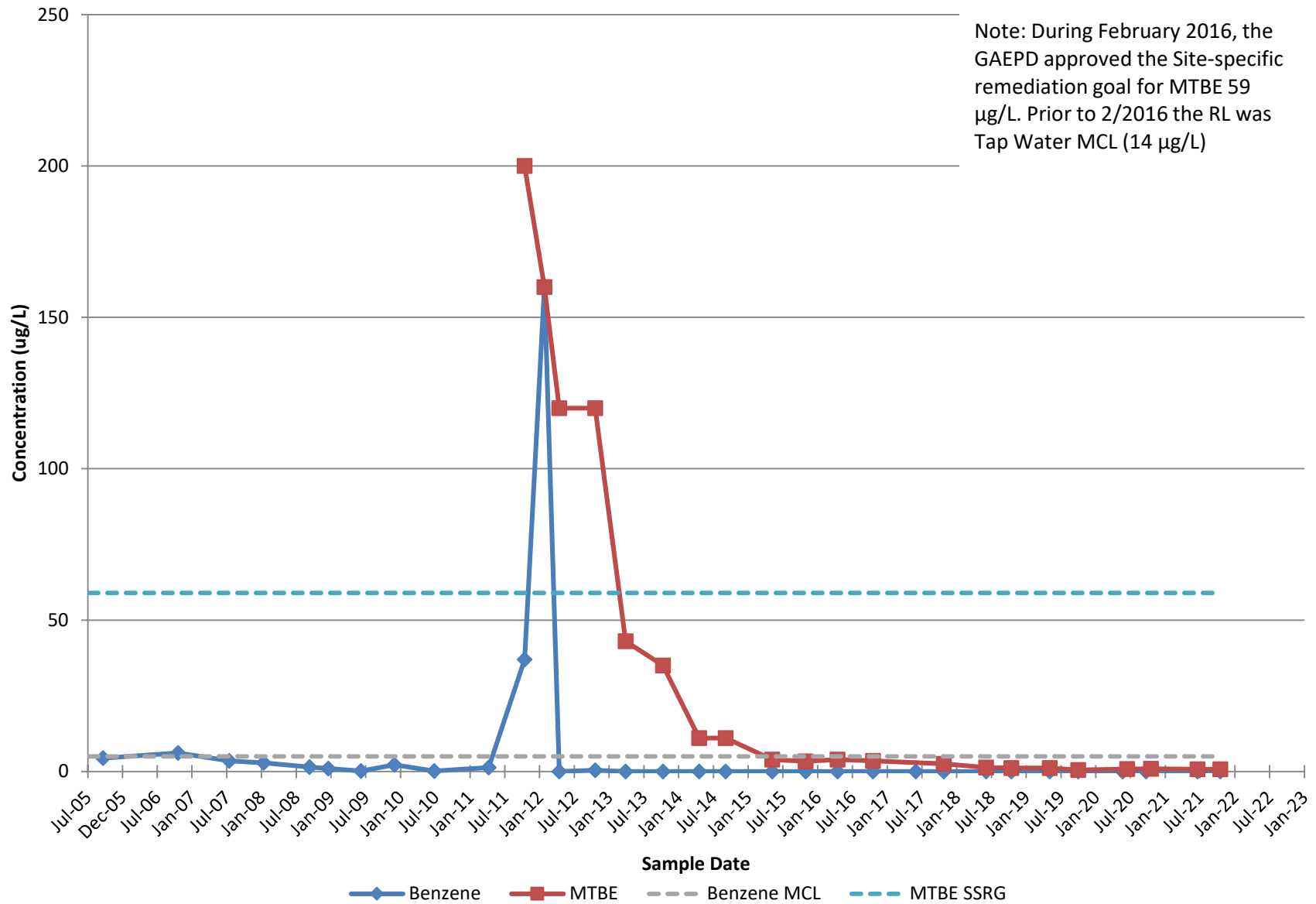
Note: During February 2016, the GAEPD approved the Site-specific remediation goal for MTBE 59 µg/L. Prior to 2/2016 the RL was Tap Water MCL (14 µg/L)



Monitoring Well MW-52 Concentration Graphs

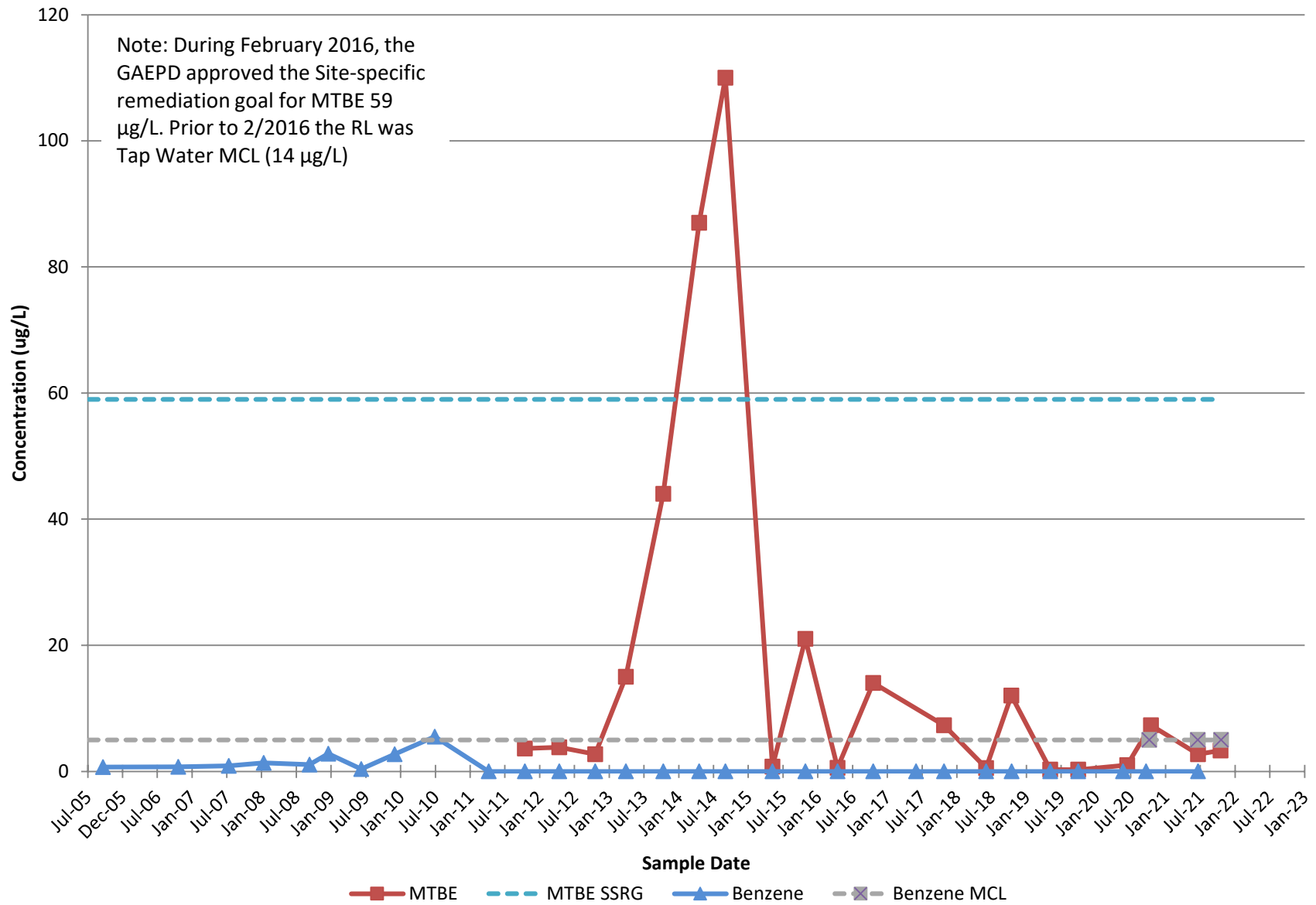
SWMU 26, Fort Stewart, Georgia

Note: During February 2016, the GAEPD approved the Site-specific remediation goal for MTBE 59 µg/L. Prior to 2/2016 the RL was Tap Water MCL (14 µg/L)



Monitoring Well MW-53 Concentration Graphs

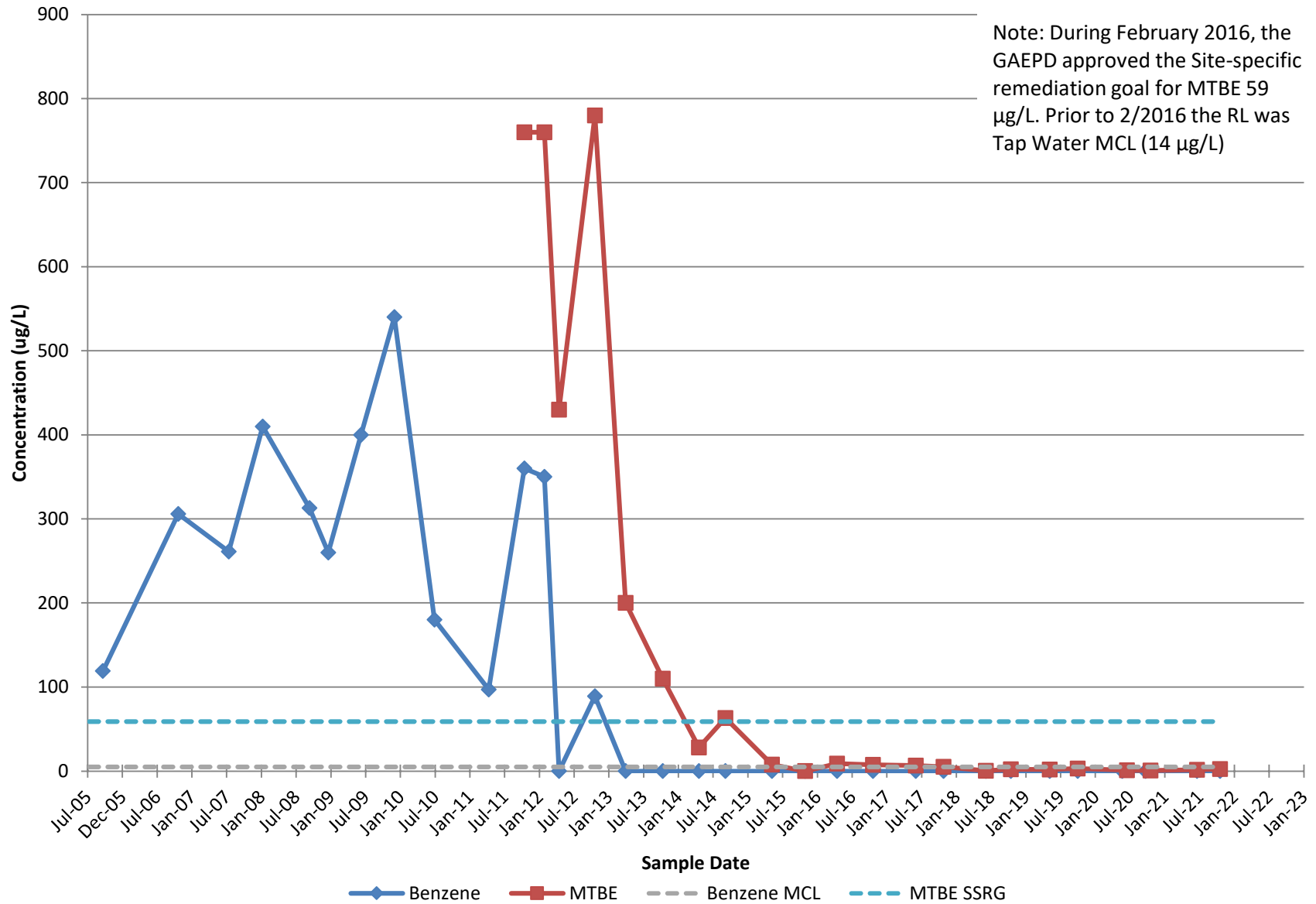
SWMU 26, Fort Stewart, Georgia



Monitoring Well MW-54 Concentration Graphs

SWMU 26, Fort Stewart, Georgia

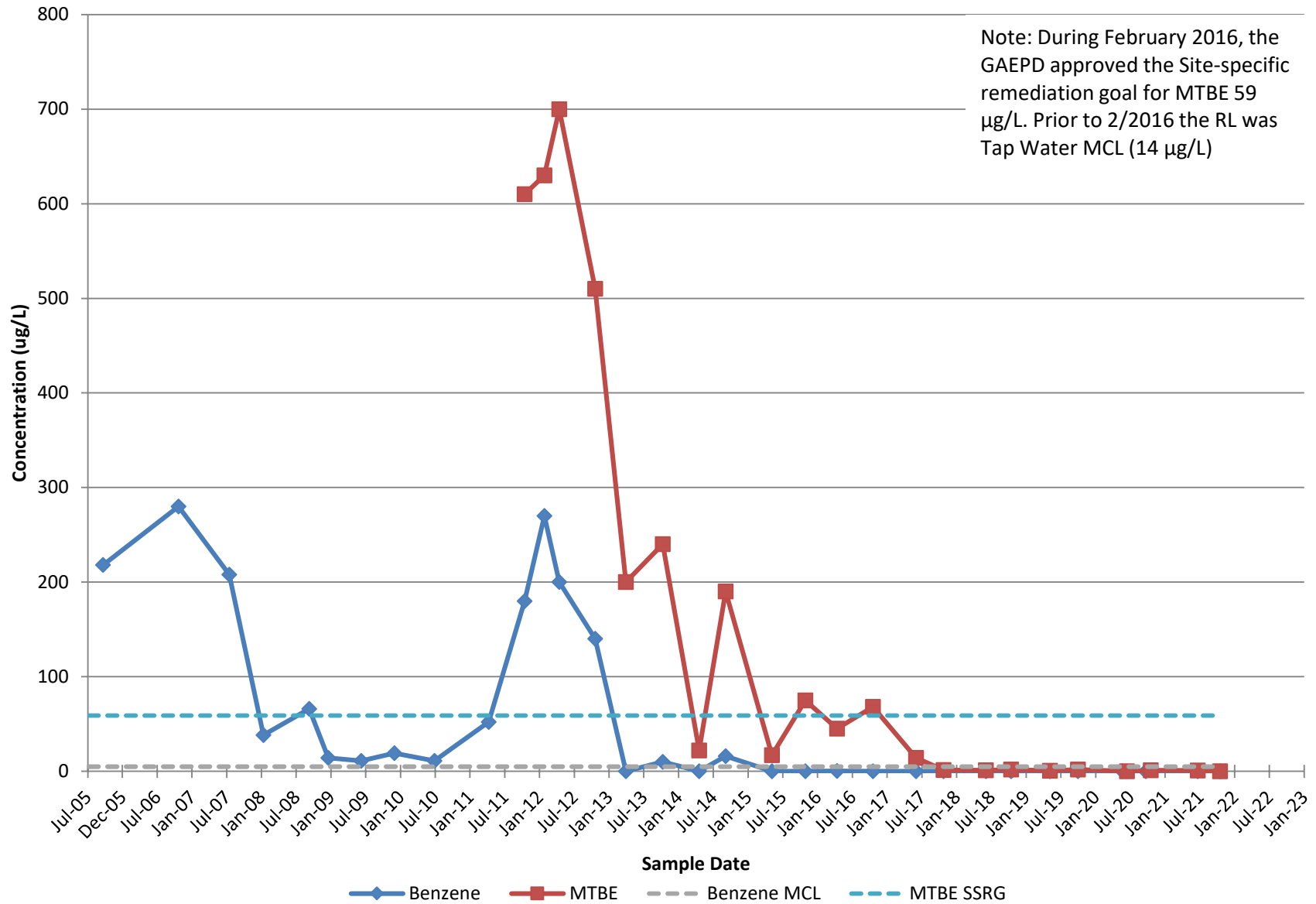
Note: During February 2016, the GAEPD approved the Site-specific remediation goal for MTBE 59 µg/L. Prior to 2/2016 the RL was Tap Water MCL (14 µg/L)



Monitoring Well MW-55 Concentration Graphs

SWMU 26, Fort Stewart, Georgia

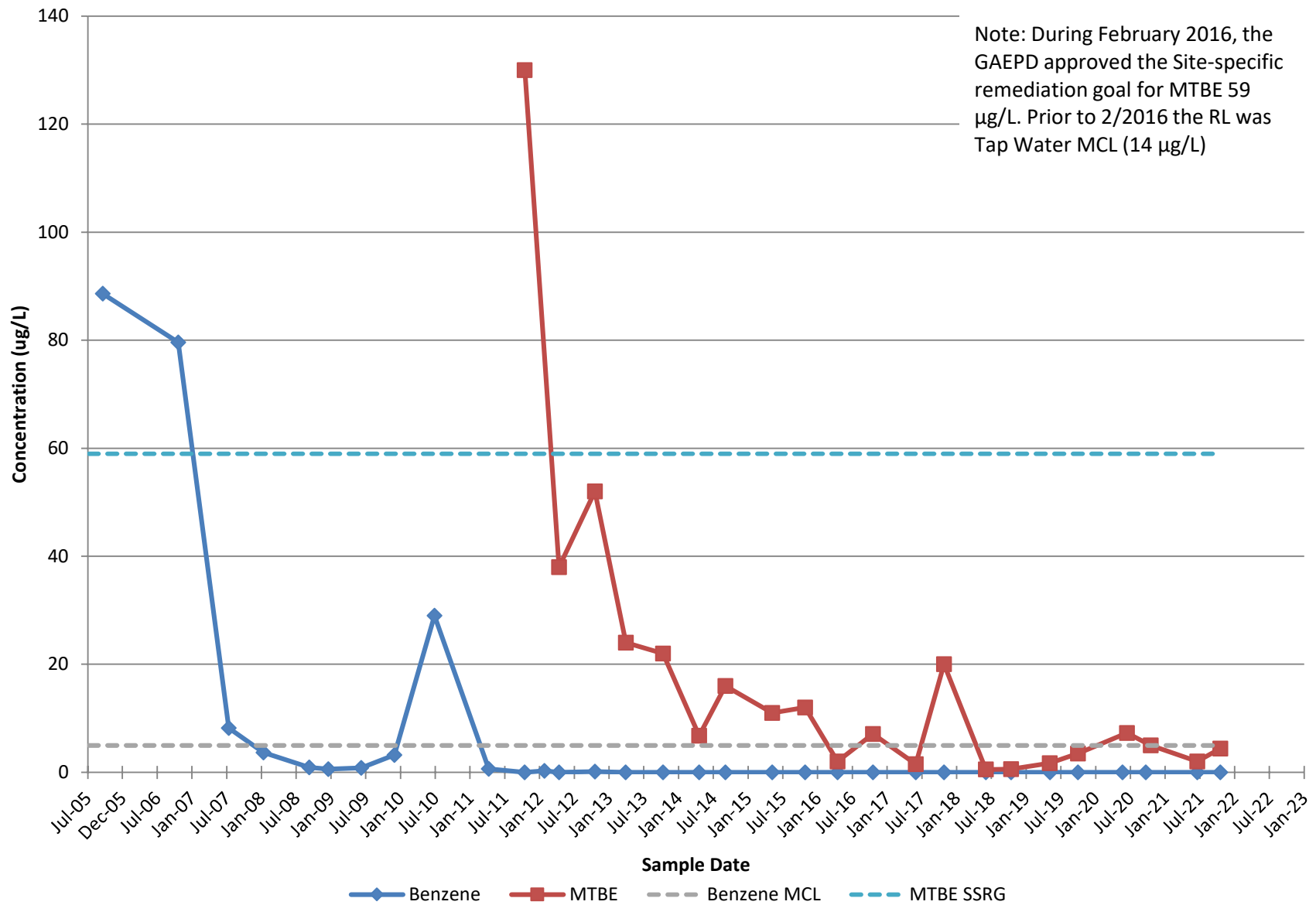
Note: During February 2016, the GAEPD approved the Site-specific remediation goal for MTBE 59 µg/L. Prior to 2/2016 the RL was Tap Water MCL (14 µg/L)



Monitoring Well MW-56 Concentration Graphs

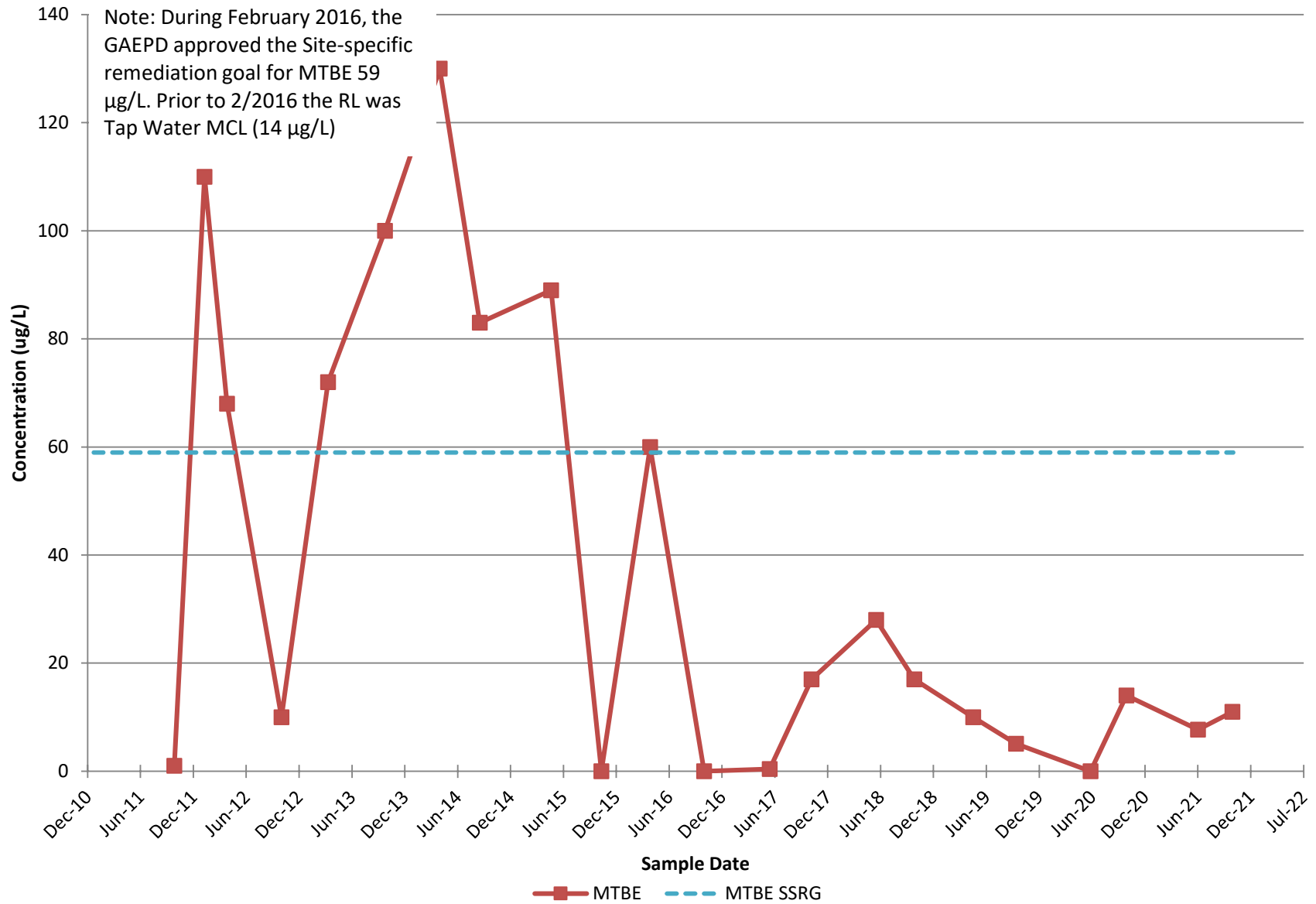
SWMU 26, Fort Stewart, Georgia

Note: During February 2016, the GAEPD approved the Site-specific remediation goal for MTBE 59 µg/L. Prior to 2/2016 the RL was Tap Water MCL (14 µg/L)



Monitoring Well MW-57 Concentration Graphs

SWMU 26, Fort Stewart, Georgia



APPENDIX D

TREND ANALYSIS

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Appendix D
Summary of Statistical Analysis of Groundwater Analytical Data
Natural Attenuation Evaluation Memorandum
FST-26
Fort Stewart Military Reservation, Georgia

Constituent	Well	Remedial Level ¹	Data Range						Linear Regression Analysis					
			Minimum Concentration (µg/L)	Maximum Concentration (µg/L)	Concentration Measured Most Recently (µg/L)	% of Data Above Laboratory Reporting Limit	Start Date	End Date	Coefficient of Determination, R-squared ²	p-value of Correlation (Significance of Slope)	Attenuation Half-life (days)	Trend Direction	Significance of Trend ³	Projected Year to Remedial Level
Deep														
MTBE	MW-39	59	2.3	140	9.2	100	4/21/2016	10/28/2021	0.44	0.02	539	Decreasing	Significant	BRL
MTBE	MW-42	59	4.1	180	18.0	100	4/20/2016	10/28/2021	0.48	0.01	662	Decreasing	Significant	BRL
MTBE	MW-43	59	0.4	60	40.0	92	4/21/2016	10/28/2021	<0.01	0.79	NA	No Trend	NS	BRL
MTBE	MW-44	59	14.0	96	15.0	100	10/25/2016	10/28/2021	0.88	<0.01	721	Decreasing	Significant	BRL
MTBE	MW-55	59	0.4	68	0.4	92	4/20/2016	10/27/2021	0.69	<0.01	312	Decreasing	Significant	BRL
MTBE	MW-57	59	0.4	60	11.0	75	4/21/2016	10/28/2021	<0.01	0.89	NA	No Trend	NS	BRL

Notes, Abbreviations and Assumptions:

BRL = Most recent concentration is below the Remedial Level (RL)

µg/L = micrograms per liter

NS = not significant

NA = not applicable due to increasing trend or non-significant trend

¹ Regulatory Standard: Site specific Remedial Level (RL). During February 2016, the GAEPD approved the Site-specific remediation goal for MTBE 59 µg/L. Prior to 2/2016 the RL was Tap Water MCL (14 µg/L)

² Linear regression analysis with R² values <0.1 and no statistically significant trend were defined as having no apparent trend (No Trend).

³ Statistically significant trend defined as having p-value ≤ 0.10

Data in italics ND taken at reporting limit/reported value

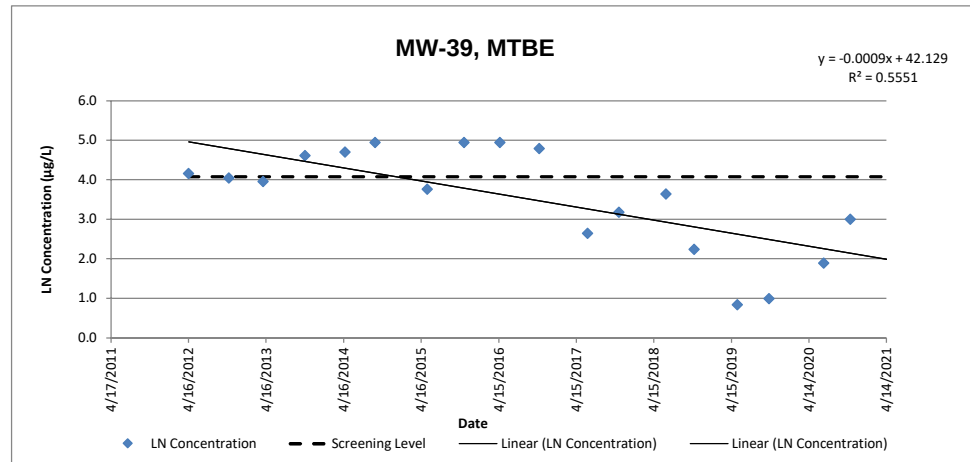
Data is underlined Qualified data converted to reported value

Sample Information

Sample Location
Constituent

MW-39
MTBE

Data		
Sample Date	Concentration	LN Concentration
	(ug/L)	
4/17/2012	64	4.16
10/24/2012	57	4.04
4/2/2013	52	3.95
10/17/2013	100	4.61
4/23/2014	110.00	4.70
9/11/2014	140.00	4.94
5/15/2015	43	3.76
11/4/2015	140.00	4.94
4/21/2016	140.00	4.94
10/24/2016	120.00	4.79
6/8/2017	14.00	2.64
11/3/2017	24.00	3.18
6/12/2018	38.00	3.64
10/23/2018	9.40	2.24
5/14/2019	2.30	0.83
10/10/2019	2.70	0.99
6/24/2020	6.6	1.89
10/26/2020	20.00	3.00
7/1/2021	7.8	2.05
10/28/2021	9.2	2.22


Notes:

During February 2016, the GAEPD approved the Site-specific remediation goal for MTBE 59 µg/L. Prior to 2/2016 the RL was Tap Water MCL (14 µg/L)

	ND taken at reporting limit/reported value
	Qualified data converted to reported value

Data quality	
Total # of data points used in regression	20
# of nondetects	0
% of data as detects	100

Results		
Coefficient of Determination (R^2) =	0.5551	
p-Value =	1.64E-04	
Attenuation Rate in Groundwater (K) =	0.0009	days ⁻¹
Attenuation Rate in Groundwater at 90% confidence (K) =	0.0005	days ⁻¹
Chemical Half Life in Groundwater ($t_{1/2}$) =	7.65E+02	days

Date Screening Level Reached	
Screening Level	59
LN Screening Level	4.1
Intercept	42.129
Slope	-0.0009
Date to Screening Level	12/19/2014

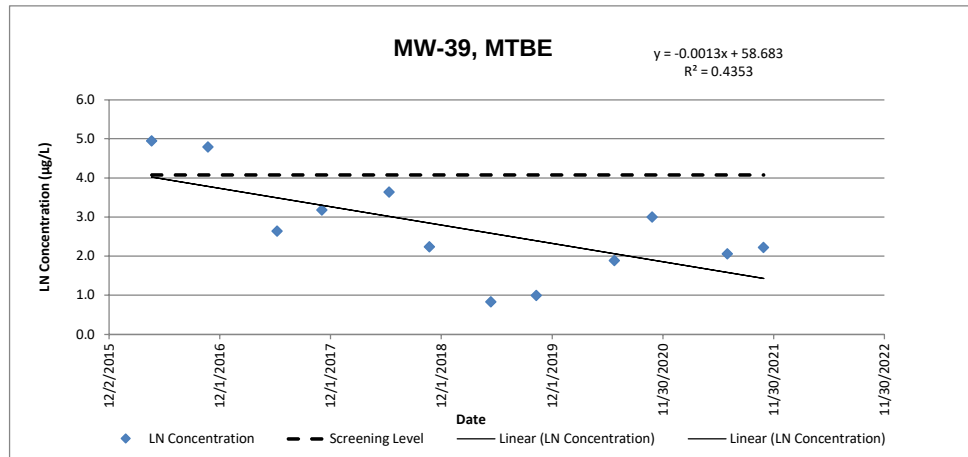
Abbreviations and Notes

ug/l = micrograms per liter
LN = Natural Logarithm

Sample Information

Sample Location MW-39
Constituent MTBE

Data		
Sample Date	Concentration (ug/L)	LN Concentration
4/21/2016	140.00	4.94
10/24/2016	120.00	4.79
6/8/2017	14.00	2.64
11/3/2017	24.00	3.18
6/12/2018	38.00	3.64
10/23/2018	9.40	2.24
5/14/2019	2.30	0.83
10/10/2019	2.70	0.99
6/24/2020	6.6	1.89
10/26/2020	20.00	3.00
7/1/2021	7.8	2.05
10/28/2021	9.2	2.22


Notes:

During February 2016, the GAEPD approved the Site-specific remediation goal for MTBE 59 µg/L. Prior to 2/2016 the RL was Tap Water MCL (14 µg/L)

	ND taken at reporting limit/reported value
	Qualified data converted to reported value

Data quality	
Total # of data points used in regression	12
# of nondetects	0
% of data as detects	100

Results		
Coefficient of Determination (R^2) =	0.4353	
p-Value =	1.96E-02	
Attenuation Rate in Groundwater (K) =	0.0013	days ⁻¹
Attenuation Rate in Groundwater at 90% confidence (K) =	0.0003	days ⁻¹
Chemical Half Life in Groundwater ($t_{1/2}$) =	5.39E+02	days

Date Screening Level Reached	
Screening Level	59
LN Screening Level	4.1
Intercept	58.683
Slope	-0.0013
Date to Screening Level	3/9/2016

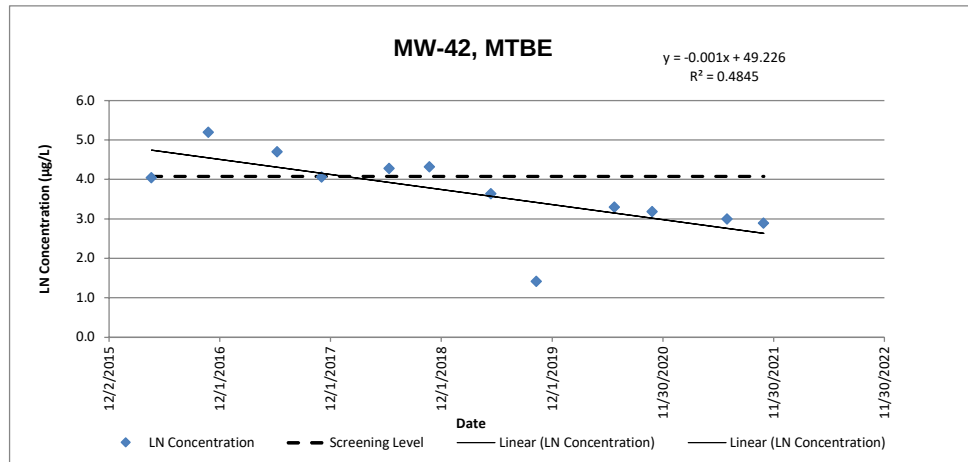
Abbreviations and Notes

ug/l = micrograms per liter
LN = Natural Logarithm

Sample Information

Sample Location MW-42
Constituent MTBE

Data		
Sample Date	Concentration (ug/L)	LN Concentration
4/20/2016	57	4.04
10/25/2016	180	5.19
6/8/2017	110	4.70
11/2/2017	58	4.06
6/12/2018	72	4.28
10/23/2018	75	4.32
5/14/2019	38	3.64
10/10/2019	4.10	1.41
6/24/2020	27.0	3.30
10/26/2020	24	3.18
6/30/2021	20	3.00
10/28/2021	18	2.89



Notes:

During February 2016, the GAEPD approved the Site-specific remediation goal for MTBE 59 µg/L. Prior to 2/2016 the RL was Tap Water MCL (14 µg/L)

	ND taken at reporting limit/reported value
	Qualified data converted to reported value

Data quality	
Total # of data points used in regression	12
# of nondetects	0
% of data as detects	100

Results		
Coefficient of Determination (R^2) =	0.4845	
p-Value =	1.19E-02	
Attenuation Rate in Groundwater (K) =	0.0010	days ⁻¹
Attenuation Rate in Groundwater at 90% confidence (K) =	0.0003	days ⁻¹
Chemical Half Life in Groundwater ($t_{1/2}$) =	6.62E+02	days

Date Screening Level Reached	
Screening Level	59
LN Screening Level	4.1
Intercept	49.226
Slope	-0.0010
Date to Screening Level	1/15/2018

Abbreviations and Notes

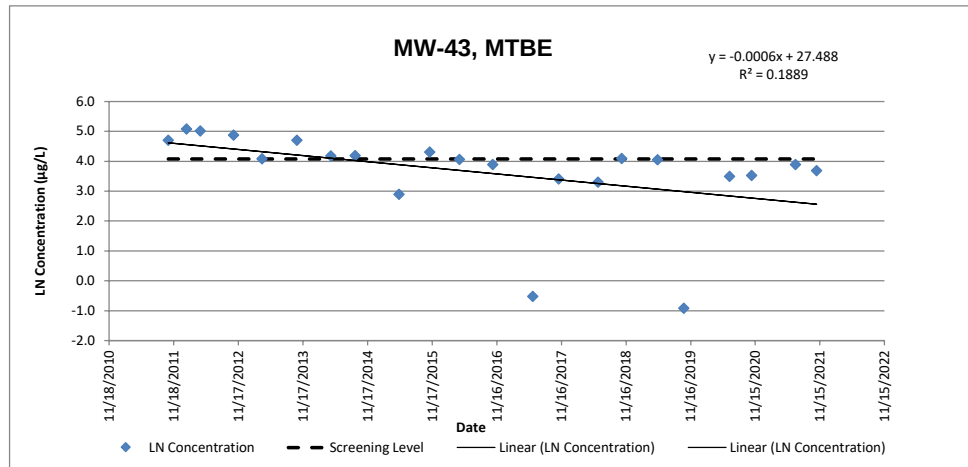
ug/l = micrograms per liter
LN = Natural Logarithm

Sample Information

Sample Location
Constituent

MW-43
MTBE

Data		
Sample Date	Concentration (ug/L)	LN Concentration
10/19/2011	110	4.70
1/31/2012	160	5.08
4/17/2012	150.00	5.01
10/23/2012	130	4.87
4/2/2013	59	4.08
10/16/2013	110.00	4.70
4/24/2014	65	4.17
9/10/2014	66	4.19
5/14/2015	18	2.89
11/5/2015	74	4.30
4/21/2016	58	4.06
10/25/2016	49	3.89
6/8/2017	0.59	-0.53
11/1/2017	30	3.40
6/12/2018	27	3.30
10/23/2018	60	4.09
5/15/2019	57	4.04
10/10/2019	0.40	-0.92
6/24/2020	33.0	3.50
10/26/2020	34	3.53
7/1/2021	49	3.89
10/28/2021	40	3.69


Notes:

During February 2016, the GAEPD approved the Site-specific remediation goal for MTBE 59 µg/L. Prior to 2/2016 the RL was Tap Water MCL (14 µg/L)

	ND taken at reporting limit/reported value
	Qualified data converted to reported value

Data quality	
Total # of data points used in regression	22
# of nondetects	1
% of data as detects	95

Results		
Coefficient of Determination (R^2) =	0.1889	
p-Value =	4.32E-02	
Attenuation Rate in Groundwater (K) =	0.0006	days ⁻¹
Attenuation Rate in Groundwater at 90% confidence (K) =	0.0000	days ⁻¹
Chemical Half Life in Groundwater ($t_{1/2}$) =	1.24E+03	days

Date Screening Level Reached	
Screening Level	59
LN Screening Level	4.1
Intercept	27.488
Slope	-0.0006
Date to Screening Level	6/13/2014

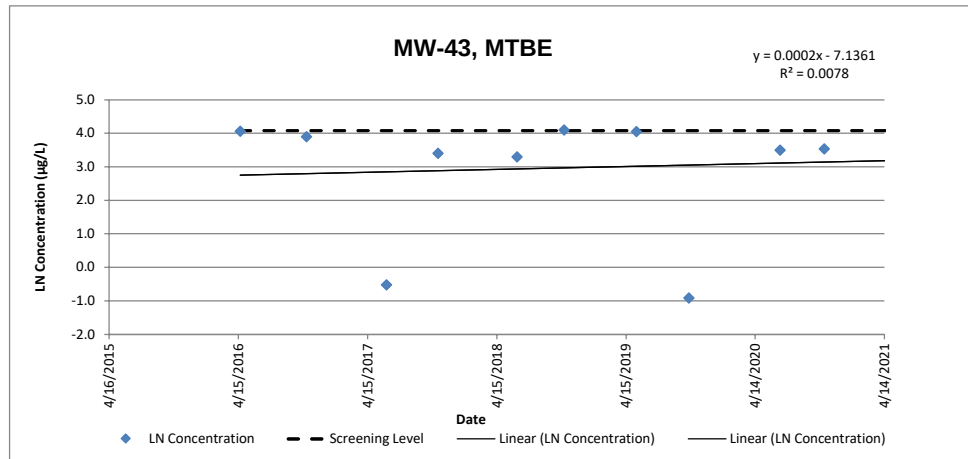
Abbreviations and Notes

ug/l = micrograms per liter
LN = Natural Logarithm

Sample Information

Sample Location: MW-43
Constituent: MTBE

Data		
Sample Date	Concentration (ug/L)	LN Concentration
4/21/2016	58	4.06
10/25/2016	49	3.89
6/8/2017	0.59	-0.53
11/1/2017	30	3.40
6/12/2018	27	3.30
10/23/2018	60	4.09
5/15/2019	57	4.04
10/10/2019	0.40	-0.92
6/24/2020	33.0	3.50
10/26/2020	34	3.53
7/1/2021	49	3.89
10/28/2021	40	3.69



Notes:

During February 2016, the GAEPD approved the Site-specific remediation goal for MTBE 59 ug/L. Prior to 2/2016 the RL was Tap Water MCL (14 ug/L)

	ND taken at reporting limit/reported value
	Qualified data converted to reported value

Data quality	
Total # of data points used in regression	12
# of nondetects	1
% of data as detects	92

Results		
Coefficient of Determination (R^2) =	0.0078	
p-Value =	7.86E-01	
Attenuation Rate in Groundwater (K) =	-0.0002	days ⁻¹
Attenuation Rate in Groundwater at 90% confidence (K) =	-0.0021	days ⁻¹
Chemical Half Life in Groundwater ($t_{1/2}$) =	NA	days

Date Screening Level Reached	
Screening Level	59
LN Screening Level	4.1
Intercept	-7.136
Slope	0.0002
Date to Screening Level	NA

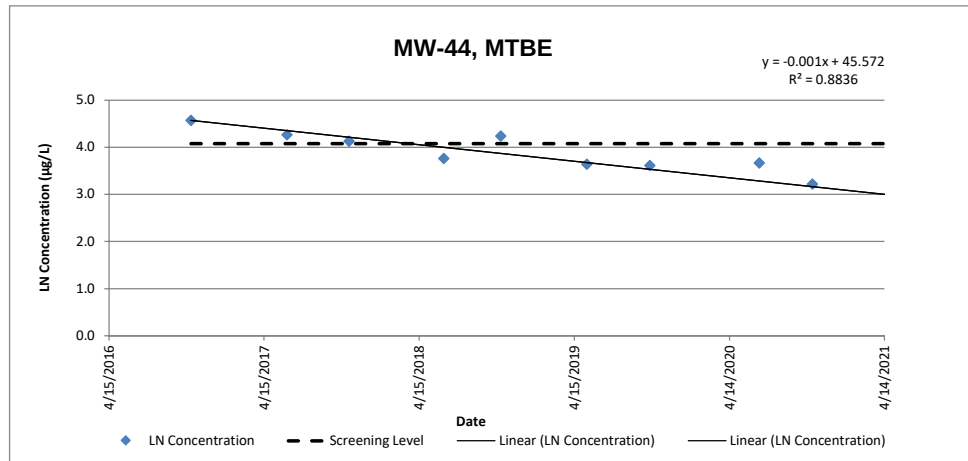
Abbreviations and Notes

ug/l = micrograms per liter
LN = Natural Logarithm

Sample Information

Sample Location MW-44
Constituent MTBE

Data		
Sample Date	Concentration (ug/L)	LN Concentration
10/25/2016	96	4.56
6/8/2017	71	4.26
11/1/2017	62	4.13
6/12/2018	43	3.76
10/24/2018	69	4.23
5/15/2019	38	3.64
10/10/2019	37	3.61
6/24/2020	39	3.66
10/27/2020	25	3.22
7/2/2021	14	2.64
10/28/2021	15	2.71


Notes:

During February 2016, the GAEPD approved the Site-specific remediation goal for MTBE 59 µg/L. Prior to 2/2016 the RL was Tap Water MCL (14 µg/L)

	ND taken at reporting limit/reported value
	Qualified data converted to reported value

Data quality	
Total # of data points used in regression	11
# of nondetects	0
% of data as detects	100

Results	
Coefficient of Determination (R^2) =	0.8836
p-Value =	1.71E-05
Attenuation Rate in Groundwater (K) =	0.0010 days ⁻¹
Attenuation Rate in Groundwater at 90% confidence (K) =	0.0007 days ⁻¹
Chemical Half Life in Groundwater ($t_{1/2}$) =	7.21E+02 days

Date Screening Level Reached	
Screening Level	59
LN Screening Level	4.1
Intercept	45.572
Slope	-0.0010
Date to Screening Level	3/24/2018

Abbreviations and Notes

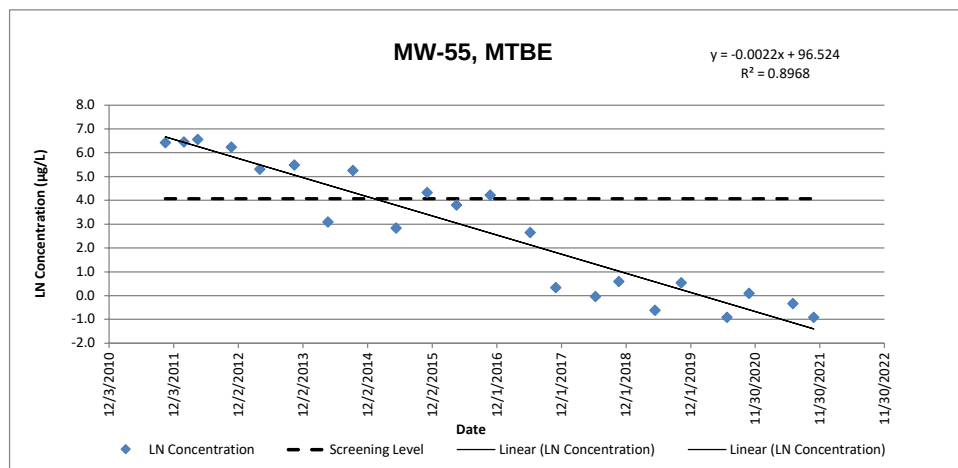
ug/l = micrograms per liter
LN = Natural Logarithm

Sample Information

Sample Location
Constituent

MW-55
MTBE

Data		
Sample Date	Concentration	LN Concentration
	(ug/L)	
10/18/2011	610	6.41
1/31/2012	630	6.45
4/18/2012	700	6.55
10/24/2012	510	6.23
4/3/2013	200	5.30
10/15/2013	240.00	5.48
4/24/2014	22	3.09
9/11/2014	190.00	5.25
5/13/2015	17.00	2.83
11/5/2015	75.00	4.32
4/20/2016	45.00	3.81
10/25/2016	68.00	4.22
6/9/2017	14.00	2.64
11/1/2017	1.40	0.34
6/12/2018	0.96	-0.04
10/23/2018	1.80	0.59
5/15/2019	0.54	-0.62
10/10/2019	1.70	0.53
6/24/2020	0.40	-0.92
10/27/2020	1.10	0.10
7/2/2021	0.71	-0.34
10/27/2021	0.40	-0.92


Notes:

During February 2016, the GAEPD approved the Site-specific remediation goal for MTBE 59 µg/L. Prior to 2/2016 the RL was Tap Water MCL (14 µg/L)

ND taken at reporting limit/reported value
Qualified data converted to reported value

Data quality	
Total # of data points used in regression	22
# of nondetects	1
% of data as detects	95

Results		
Coefficient of Determination (R^2) =	0.8968	
p-Value =	2.55E-11	
Attenuation Rate in Groundwater (K) =	0.0022	days ⁻¹
Attenuation Rate in Groundwater at 90% confidence (K) =	0.0019	days ⁻¹
Chemical Half Life in Groundwater ($t_{1/2}$) =	3.15E+02	days

Date Screening Level Reached	
Screening Level	59
LN Screening Level	4.1
Intercept	96.524
Slope	-0.0022
Date to Screening Level	1/5/2015

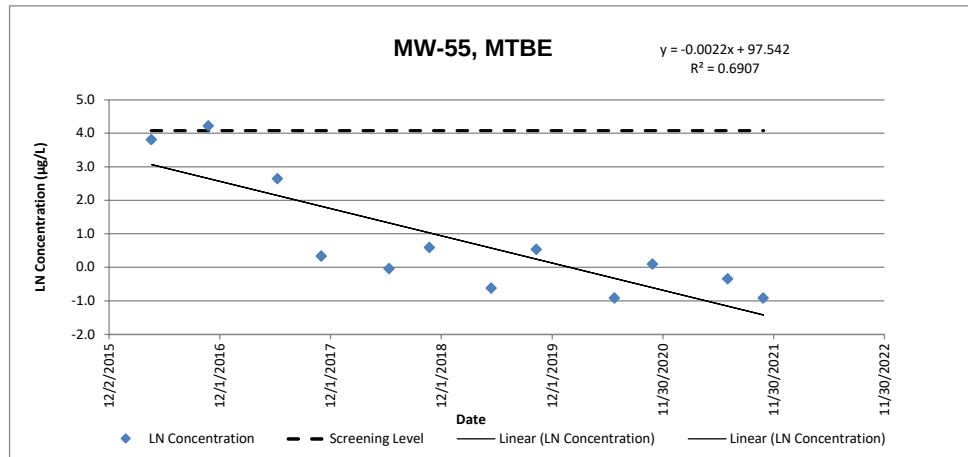
Abbreviations and Notes

ug/l = micrograms per liter
LN = Natural Logarithm

Sample Information

Sample Location MW-55
Constituent MTBE

Data		
Sample Date	Concentration (ug/L)	LN Concentration
4/20/2016	45.00	3.81
10/25/2016	68.00	4.22
6/9/2017	14.00	2.64
11/1/2017	1.40	0.34
6/12/2018	0.96	-0.04
10/23/2018	1.80	0.59
5/15/2019	0.54	-0.62
10/10/2019	1.70	0.53
6/24/2020	0.40	-0.92
10/27/2020	1.10	0.10
7/2/2021	0.71	-0.34
10/27/2021	0.40	-0.92


Notes:

During February 2016, the GAEPD approved the Site-specific remediation goal for MTBE 59 µg/L. Prior to 2/2016 the RL was Tap Water MCL (14 µg/L)

	ND taken at reporting limit/reported value
	Qualified data converted to reported value

Data quality	
Total # of data points used in regression	12
# of nondetects	1
% of data as detects	92

Results		
Coefficient of Determination (R^2) =	0.6907	
p-Value =	8.10E-04	
Attenuation Rate in Groundwater (K) =	0.0022	days ⁻¹
Attenuation Rate in Groundwater at 90% confidence (K) =	0.0012	days ⁻¹
Chemical Half Life in Groundwater ($t_{1/2}$) =	3.12E+02	days

Date Screening Level Reached	
Screening Level	59
LN Screening Level	4.1
Intercept	97.542
Slope	-0.0022
Date to Screening Level	1/22/2015

Abbreviations and Notes

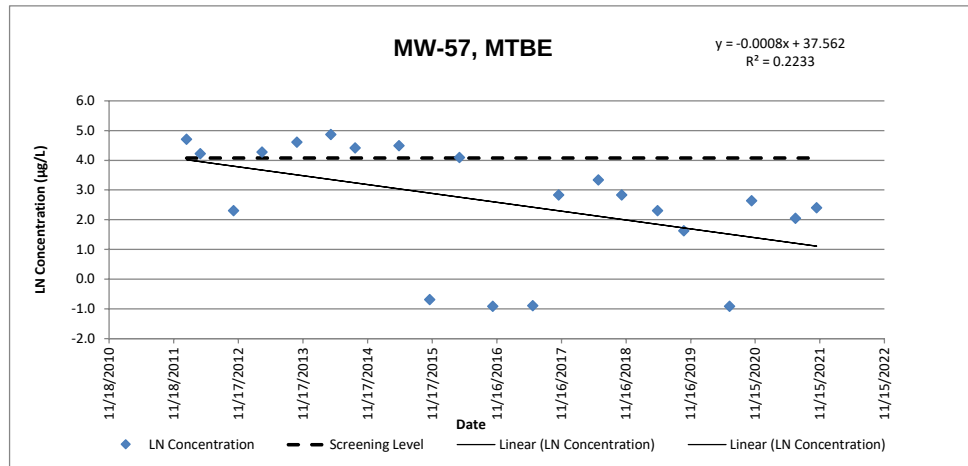
ug/l = micrograms per liter
LN = Natural Logarithm

Sample Information

Sample Location
Constituent

MW-57
MTBE

Data		
Sample Date	Concentration	LN Concentration
	(ug/L)	
1/31/2012	110	4.70
4/18/2012	68	4.22
10/23/2012	10	2.30
4/2/2013	72	4.28
10/16/2013	100	4.61
4/24/2014	130.00	4.87
9/10/2014	83	4.42
5/14/2015	89.00	4.49
11/4/2015	0.50	-0.69
4/21/2016	60.00	4.09
10/26/2016	0.40	-0.92
6/9/2017	0.41	-0.89
11/1/2017	17	2.83
6/13/2018	28	3.33
10/23/2018	17	2.83
5/15/2019	10	2.30
10/10/2019	5.10	1.63
6/24/2020	0.40	-0.92
10/26/2020	14.00	2.64
7/1/2021	7.7	2.04
10/28/2021	11	2.40


Notes:

During February 2016, the GAEPD approved the Site-specific remediation goal for MTBE 59 µg/L. Prior to 2/2016 the RL was Tap Water MCL (14 µg/L)

	ND taken at reporting limit/reported value
	Qualified data converted to reported value

Data quality	
Total # of data points used in regression	21
# of nondetects	3
% of data as detects	86

Results		
Coefficient of Determination (R^2) =	0.2233	
p-Value =	3.05E-02	
Attenuation Rate in Groundwater (K) =	0.0008	days ⁻¹
Attenuation Rate in Groundwater at 90% confidence (K) =	0.0001	days ⁻¹
Chemical Half Life in Groundwater ($t_{1/2}$) =	8.46E+02	days

Date Screening Level Reached	
Screening Level	59
LN Screening Level	4.1
Intercept	37.562
Slope	-0.0008
Date to Screening Level	11/27/2011

Abbreviations and Notes

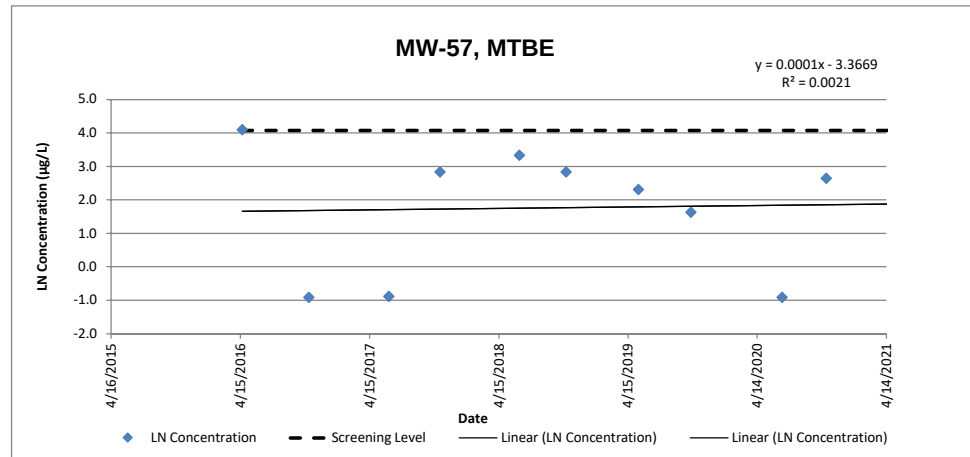
ug/l = micrograms per liter
LN = Natural Logarithm

Sample Information

Sample Location
Constituent

MW-57
MTBE

Data		
Sample Date	Concentration (ug/L)	LN Concentration
4/21/2016	60.00	4.09
10/26/2016	0.40	-0.92
6/9/2017	0.41	-0.89
11/1/2017	17	2.83
6/13/2018	28	3.33
10/23/2018	17	2.83
5/15/2019	10	2.30
10/10/2019	5.10	1.63
6/24/2020	0.40	-0.92
10/26/2020	14.00	2.64
7/1/2021	7.7	2.04
10/28/2021	11	2.40



Notes:

During February 2016, the GAEPD approved the Site-specific remediation goal for MTBE 59 ug/L. Prior to 2/2016 the RL was Tap Water MCL (14 ug/L)

	ND taken at reporting limit/reported value
	Qualified data converted to reported value

Data quality	
Total # of data points used in regression	12
# of nondetects	3
% of data as detects	75

Results		
Coefficient of Determination (R^2) =	0.0021	
p-Value =	8.89E-01	
Attenuation Rate in Groundwater (K) =	-0.0001	days ⁻¹
Attenuation Rate in Groundwater at 90% confidence (K) =	-0.0020	days ⁻¹
Chemical Half Life in Groundwater ($t_{1/2}$) =	NA	days

Date Screening Level Reached	
Screening Level	59
LN Screening Level	4.1
Intercept	-3.367
Slope	0.0001
Date to Screening Level	NA

Abbreviations and Notes

ug/l = micrograms per liter
LN = Natural Logarithm