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Sent: Friday, July 30, 2021 6:00 AM

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Subject: Delavan Spray Technologies - Spring 2021 Semi-Annual Groundwater Monitoring Report

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Cynde,

Good afternoon. I have attached the Spring 2021 Semi-Annual Monitoring Report for the Delavan Spray Technologies Site. A hard copy (including an electronic copy on dvd) is also being shipped today via FedEx. Please let me know if you have any questions.

Best regards,
Leslee

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July 30, 2021

Ms. Cynde Devlin, Project Manager
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Bureau of Land and Waste Management
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RECEIVED

AUG 03 2021

SITE ASSESSMENT,
REMEDICATION, &
REVITALIZATION

Re: Spring 2021 Semi-Annual Groundwater Monitoring Report
Delavan Spray Technologies Site
Bamberg, South Carolina
SCDHEC VCC Number 13-4762-RP
SCDHEC File Number 51778
AECOM Project Number 60629985

Dear Ms. Devlin:

On behalf of Raytheon Technologies Corporation, AECOM is providing you one (1) hard copy and one (1) electronic copy of the Spring 2021 Semi-Annual Groundwater Monitoring Report for the Delavan Spray Technologies Site. This report is being submitted to the Department in accordance with the Remedial Investigation Work Plan (Hart & Hickman, August 1, 2013) and Voluntary Clean-up Contract (VCC) number 13-4762-RP, which was signed on July 3, 2013.

If you have any questions or require further information, please feel free to contact me.

Sincerely,

AECOM Technical Services, Inc.

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Spring 2021 Semi-Annual Groundwater Monitoring Report

**Delavan Spray Technologies Site
4334 Main Highway
US Highway 301 South
Bamberg, South Carolina**

VCC 13-4762-RP

Prepared by:

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10 Patewood Drive
Building 6, Suite 500
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AUG 03 2021

**SITE ASSESSMENT,
REMEDICATION, &
REVITALIZATION**

July 30, 2021

SPRING 2021 SEMI-ANNUAL GROUNDWATER MONITORING REPORT

DELAVAN SPRAY TECHNOLOGIES SITE BAMBERG, SOUTH CAROLINA

RESPONSIBLE PARTY VOLUNTARY CLEANUP CONTRACT NUMBER 13-4762

The undersigned certify that they have reviewed the attached document and that the document is in material compliance with the guidelines and requirements of the State of South Carolina and the South Carolina Department of Health and Environmental Control (SCDHEC) and specifically, requirements under the SCDHEC Voluntary Cleanup Contract (VCC). The data presentations contained herein are consistent with generally accepted practices in the environmental profession.

Prepared by:



Mariah Rockwell
AECOM Geologist

July 30, 2021

Date



Leslee J. Alexander, PG
South Carolina PG No. 2433
AECOM Project Hydrogeologist

July 30, 2021

Date

Reviewed by:



Conan Fitzgerald
AECOM Project Manager

July 30, 2021

Date

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1.0 INTRODUCTION

AECOM Technical Services, Inc. (AECOM) has prepared this *Spring 2021 Semi-Annual Groundwater Monitoring Report* for the Delavan Spray Technologies Site (the Site). The Site is located at 4334 Main Highway (US Highway 301 South) in Bamberg, South Carolina (**Figure 1**). The spring 2021 semi-annual groundwater sampling was completed to meet the on-going monitoring requirements of Voluntary Cleanup Contract (VCC) (VCC 13-4762-RP) that was signed between South Carolina Department of Health and Environmental Control (SCDHEC) and Delavan Spray, LLC (Delavan; SCDHEC, 2013) and in accordance with the *Remedial Investigation Work Plan* (Hart & Hickman, 2013) approved by SCDHEC October 22, 2013.

This report provides a brief overview of the Site (**Section 2.0**), describes the sampling activities (**Section 3.0**) and presents the results (**Section 4.0**). Conclusions based on the results are discussed in **Section 5.0**. Cited references are provided in **Section 6.0**.

2.0 OVERVIEW OF THE SITE

The facility manufactures several types of metal spray nozzles for fuel oils. The Site is comprised of a main manufacturing building and smaller associated support buildings, which are located on approximately 20 acres. A Site layout map is provided as **Figure 2** and a map of the monitoring well network is provided as **Figure 3**.

2.1 Background

Assessment activities were initiated at the Site in 2003, after chlorinated volatile organic compounds (VOCs) were detected in groundwater beneath the Site. The primary compounds of concern were reported to be tetrachloroethene (PCE) and its degradation products trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), 1,1-dichloroethene (1,1-DCE), and vinyl chloride (VC).

In 2005, Hart & Hickman, PC (H&H) injected Hydrogen Release Compound® (HRC) into shallow groundwater to stimulate natural biodegradation of chlorinated compounds in groundwater. Post-injection monitoring was conducted by H&H between 2005 and 2007. The results indicated that chlorinated compound concentrations were reduced in Site groundwater. However, VOCs remained in the groundwater at these locations at concentrations exceeding the United States Environmental Protection Agency (USEPA) maximum contaminant levels (MCLs) for drinking water.

Between 2007 and 2011, H&H conducted multiple groundwater assessments at the Site and surrounding area to further delineate the horizontal and vertical extent of VOCs detected in groundwater. A semi-annual groundwater monitoring program was also instituted to evaluate any changes to groundwater conditions at the Site.

A source area investigation was completed at the Site in August 2012 to determine the nature and general extent of compounds of concern at the Site. The results of the August 2012 assessment indicated that VOC impacts to soil and groundwater are present at the former PCE underground storage tank (UST), and soil VOC impacts are present at both former degreaser areas, the former northern secondary containment area, and the northeastern wooded area. No soil VOC impacts were identified in the northwestern wooded area, and no VOC groundwater impacts were identified at the former northern secondary containment area (H&H, 2012 and 2013).

On July 5, 2013, a VCC between Delavan Spray, LLC and SCDHEC was executed (VCC 13-4762-RP). In accordance with **Section 3** of the VCC, a Remedial Investigation (RI) was conducted in February/March 2014 (AECOM, 2014). The RI results provided further delineation of VOCs in soil and groundwater beneath the Site. Furthermore, the RI sampling results were used in conjunction with existing data to complete a Human Health Risk Assessment (HHRA) and an Ecological Risk Assessment.

No additional VOC source areas were identified in soil as a result of the RI. However, following SCDHEC review of the RI report, SCDHEC requested additional soil assessment to delineate VOC impacts in the vicinity of the northern former degreaser and additional monitoring wells to delineate VOC impacts in the shallow and deeper (limestone) aquifers. The additional assessment activities were incorporated into the *Post RI Work Plan* (AECOM, 2015), which was implemented in late November 2015. The analytical results

were presented in the *Post RI Report* (AECOM, May 2016) and provided further delineation of VOCs in soil and groundwater at the Site.

Following the *Post RI Report*, SCDHEC requested a “work plan for delineation of the shallow and deep groundwater plumes.” The *Groundwater Delineation Work Plan* (AECOM, September 2016), which included groundwater screening with temporary wells and permanent monitoring well installation, was approved by SCDHEC in correspondence dated October 31, 2016, and was implemented between March 27, 2017 and May 10, 2017. The results of the investigation, which are documented in the *Groundwater Delineation Report* (AECOM, June 2017), confirmed the presence of PCE concentrations greater than the MCL in the limestone aquifer monitoring wells ~3,200 feet south/southwest of the Site.

SCDHEC approved the *Groundwater Delineation Report* in correspondence dated June 26, 2017 and agreed with the report’s recommendation that additional delineation was needed for PCE in the limestone aquifer south/southwest of the monitoring well network. The *Limestone Aquifer Assessment Work Plan* was submitted to SCDHEC on October 13, 2017 to address these recommendations. Delavan and AECOM participated in a conference call with SCDHEC on June 27, 2018 to discuss potential next steps and revisions to the additional assessment activities proposed in the *Limestone Aquifer Assessment Work Plan* (AECOM, October 2017). The revised work plan was submitted on August 27, 2018 and approved in correspondence from SCDHEC dated September 20, 2018. The work plan was implemented in November 2019 once offsite access agreements were established and included the installation of four additional limestone aquifer monitoring wells to delineate the PCE plume in the limestone aquifer. Concentrations of PCE and its degradation products (TCE, cis-1,2-DCE, and vinyl chloride) were below their respective MCLs and these wells complete the delineation of PCE in the limestone downgradient of the Site (AECOM, June 2020).

After SCDHEC review of the *Limestone Aquifer Assessment Work Plan*, in correspondence dated December 18, 2017, SCDHEC requested that Delavan conduct sampling of residential drinking water wells downgradient of the Site. Delavan and AECOM worked with SCDHEC to sample select residential drinking water wells:

- Along Lemon Creek and Orange Grove Roads between US Highway 301 (Main Highway) and US Highway 601 (Broxton Bridge Road) south/southwest of the Site (22 wells);
- Along Broxton Bridge Road between US Highway 301 and Orange Grove Road southeast of the Site (3 wells); and
- Along US Highway 301 southwest of the Site (2 wells).

Samples were collected from 27 residential wells between January and April 2018 and submitted for analysis of PCE and select degradation products (see Figure 4 of the *Fall 2019 Semi-Annual Groundwater Monitoring Report*; AECOM, January 2020). In 9 of the samples, PCE was detected at low levels below its USEPA MCL of 5 micrograms per liter (µg/L). Subsequently, PCE was detected in two additional residential wells in October 2018 and one additional well in April 2019. PCE was not detected in the remaining residential well samples (AECOM, February 2018; June 2018, January 2019, and June 2019). Although the PCE detections in the residential wells were well below the MCL, Delavan offered to install granular activated carbon (GAC) treatment units on the drinking water wells where the PCE was detected at no cost

to the residents (note – one impacted residential well is used for irrigation water only and, therefore, a GAC unit was not installed on this well). All 11 residents with impacted drinking water wells elected to have GAC units installed. Eight of the GAC treatment units were installed in July 2018 and treatment verification sampling was completed in August and September 2018 (AECOM, January 15, 2019). Three additional GAC treatment units were installed in October 2019 and verification sampling was completed in November 2019 (AECOM, February 2020). Annual performance monitoring of the wells with GAC treatment units is conducted concurrent with the fall semi-annual monitoring events.

In addition to completing the off-site delineation, Delavan has prioritized developing plans to address elevated concentrations of chlorinated VOCs (cVOCs) in residual “source areas” beneath the Facility, specifically where there are “hot spots” in shallow groundwater in the vicinity of the former PCE degreasers and the former PCE underground storage tank. To address these “hot spots”, AECOM, on behalf of Delavan, submitted the *Focused Feasibility Study* to SCDHEC on July 12, 2017. This report was not requested by SCDHEC and was submitted concurrent with on-going delineation in the limestone aquifer down-gradient of the Facility to begin to identify remedial technologies for the site. Delavan and AECOM also prepared a work plan for high resolution site characterization (HRSC) of the “hot spots” beneath the Facility using membrane interface probe (MIP) and hydraulic profiling tool (HPT) technology. This work plan was submitted to SCDHEC on February 11, 2019 and was approved by SCDHEC in correspondence dated March 1, 2019. The HRSC investigation was completed in July 2020 and the report was submitted March 9, 2021. SCDHEC approved the HRSC investigation report in correspondence dated April 19, 2021. The data will be used during upcoming evaluation and planning for remediation in former source areas.

After completing the limestone aquifer delineation field work, personnel from Raytheon Technologies Corporation and AECOM, on behalf of Delavan Spray LLC, met with SCDHEC to discuss the results of the off-site delineation and the path forward for the Site. Following this meeting, SCDHEC requested that surface water samples be collected from the unnamed tributary to Lemon Creek during the next semi-annual sampling effort (SCDHEC, March 2020). AECOM submitted the proposed plan for surface water sampling to SCHDEC on March 25, 2020 and SCHDEC approved the plan in correspondence dated April 7, 2020. The results of the surface water sampling were detailed in **Section 4.0** of the *Spring 2020 Semi-Annual Groundwater Monitoring Report* (AECOM, July 2020). Surface water samples were collected in April 2021 and are discussed in **Section 4.3** of this report.

A call was held with SCDHEC on June 1, 2021 to discuss interim measures to address soil impacts at the Site. Subsequent to this call, an *Interim Removal Action Work Plan* (AECOM, June 2021), for installation of a soil vapor extraction (SVE) system beneath the facility building was submitted and was approved by SCDHEC in correspondence dated June 28, 2021. Implementation is currently scheduled for late summer 2021.

2.2 Geology

The Site lies within the western portion of the South Carolina Coastal Plain Province, which is characterized as a seaward thickening wedge of sediments from the Fall Line to the coast. These sediments consist of sands, silts, clays and limestones; representing a variety of non-marine and marine depositional environments.

For the purposes of characterization, Site geology has been subdivided into three general geologic zones by previous investigators. The upper zone consists of undifferentiated sands, clayey sands, sandy clays, and silts. In the northern portion of the Site, these sediments tend to contain a higher percentage of clay and silty layers. The middle zone consists of fossiliferous limestone; with a layer of pale yellow, poorly cemented, coarse shell fragments overlying a layer of white, poorly- to moderately-cemented limestone containing finer-grained shell fragments. The lower geologic zone has been described as a loose- to moderately-cemented, calcareous, fine- to medium-grained clayey sandstone based on borings for monitoring wells MW-3D1 and MW-15D1 (H&H, 2013). However, this zone was not encountered during the limestone aquifer delineation downgradient (south) of the Site, where the white, cemented limestone and shell fragments were observed to become finer-grained and persist to a depth of at least 84 feet below ground surface. These relationships were illustrated on cross-sections included as Figure 3 of the *Deep Groundwater Delineation Technical Memorandum* (AECOM, June 2020).

2.3 Hydrogeology

Groundwater occurrence in the Coastal Plain is typically within the intergranular pore spaces of the sands, silts and limestones (primary porosity) and within solution cavities or fractures of indurated sediments (secondary porosity). Primary production of groundwater occurs from within the more permeable units, while lower permeability clay layers typically retard groundwater movement. Recharge for significant aquifers in the Coastal Plain occurs both as transport from up-dip areas, toward the Fall Line, where the sediments are generally exposed at the land surface and as leakage from adjacent aquifer units through lower permeability aquitards.

3.0 GROUNDWATER MONITORING PROCEDURES

Spring 2021 semi-annual sampling activities were completed by AECOM personnel during April 12-14, 2021. Monitoring activities were conducted in accordance with the procedures described in the *RI Work Plan* (H&H, 2013) and the sampling plan presented in the *Fall 2018 Semi-Annual Groundwater Monitoring Report* (AECOM, January 2019).

Semi-annual groundwater monitoring activities included:

- Groundwater level measurements were collected from 46 existing monitoring wells (**Figure 3**);
- Groundwater samples were collected from 27 existing monitoring wells using low-flow sampling techniques. Groundwater indicator parameters were collected from each well and all 27 groundwater samples were submitted for analysis of VOCs;
- Surface water samples were collected from four locations:
 - o Halfmoon Branch at the intersection with Main Highway (US Highway 301);
 - o Lemon Creek at the intersection with Main Highway (US Highway 301);
 - o Lemon Creek at the intersection with Broxton Bridge Road (US Highway 601); and
 - o Lemon Creek at the intersection with the power line right-of-way.
- A composite sample was collected from two drums of aqueous investigation-derived waste (IDW) for analysis of VOCs, semi-volatile organic compounds (SVOCs) and priority pollutant metals for IDW characterization purposes.

The depth to water in the monitoring wells was measured using an electronic water level meter on April 12, 2021, prior to the start of sampling activities. The water levels were used to create potentiometric maps of the aquifer zones discussed in **Section 4.1** below.

Monitoring wells were purged using a peristaltic pump and water levels were monitored during purging. Groundwater quality indicator parameters of pH, specific conductance, dissolved oxygen, oxidation-reduction potential (ORP), turbidity, and temperature were monitored during the groundwater purging process and recorded on the Field Data Logs for Groundwater Sampling, which are included in **Appendix A**. Samples were collected once the parameters had stabilized in accordance with the low-flow sampling procedure in the work plan (H&H, 2013). Surface water samples were also collected with a peristaltic pump and field parameters at the time of sampling were recorded on the Field Data Logs for Surface Water / Sediment Sampling that are included in **Appendix A**.

Upon collection, all groundwater and surface water samples were labeled, preserved on ice, and kept under chain-of-custody protocol until received at the subcontract analytical laboratory. The samples were received by the laboratory in good condition with no QA/QC issues. Chain-of-custody forms are included in **Appendix A**.

All monitoring well groundwater samples and surface water samples were analyzed for VOCs by USEPA Method 8260D. The aqueous IDW sample was analyzed for VOCs by USEPA Method 8260D, SVOCs by USEPA Method 8270E, and priority pollutant metals by USEPA Methods 6010D and 7470A. Monitoring

well groundwater, surface water, and aqueous IDW samples were analyzed by SGS North American, Inc., located in Orlando, Florida, a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and State of South Carolina certified laboratory. Laboratory analytical data packages are provided in **Appendix B**.

4.0 RESULTS

4.1 Groundwater Flow

Water level measurements were collected on April 12, 2021 and are summarized on **Table 1** along with their corresponding groundwater elevations. Groundwater elevations measured in monitoring wells completed in the shallow aquifer zone were used to create a potentiometric map of the water-table surface (**Figure 4**). The spring 2021 water levels within the shallow aquifer zone occur between 132.36 and 140.04 feet in elevation. Shallow water level elevations are 1.48 feet higher on average than those collected during the fall 2020 groundwater monitoring event (October 2020). Compared to shallow aquifer zone water levels measured during the spring 2020 groundwater monitoring event (April 2020), April 2021 water levels on average were 0.68 feet lower. These differences are likely attributable to precipitation differences during these time periods (National Oceanic and Atmospheric Administration [NOAA] National Climatic Data Center [NCDC], 2021.). Shallow flow patterns resulting from the spring 2021 water level measurements are similar to those observed previously at the Site. The equal potential lines indicate groundwater flow beneath the Facility varies between southwestward and westward flow directions, with local groundwater highs at MW-9 and beneath the Facility building at monitoring wells MW-2, MW-19, MW-20 and MW-37. Groundwater levels appear depressed at MW-3 and MW-8. This phenomenon was previously recognized in the *RI Work Plan* (H&H, 2013) and characterized as a “groundwater trough”, a feature that has been observed to extend to MW-6, MW-20 and MW-21 during previous field investigation efforts. The variances in groundwater elevation and flow directions in this portion of the Site could be the result of preferential flow pathways resulting from higher permeability zones due to local facies changes or induced drainage from the sanitary sewer line or incised drainage ditch, which forms the northern boundary of the Facility. However, the primary shallow horizontal groundwater flow direction is inferred to be toward the west, toward Halfmoon Branch, which is consistent with findings from prior investigations conducted at the Site. The wells west of the facility indicate an isolated groundwater mound at MW-27, which has been observed intermittently during previous groundwater monitoring events.

Based on the April 2021 water level elevations within the deeper limestone aquifer zone, the potentiometric surface occurs between 128.47 and 134.83 feet in elevation (**Figure 5**). Groundwater elevations in April 2021 are on average 0.39 feet higher than those measured during the fall 2020 groundwater monitoring event (October 2020) and are on average 0.30 feet lower than those collected during the spring 2020 groundwater monitoring event (April 2020). From the equal potential lines, the inferred horizontal groundwater flow direction is to the south-southwest and is consistent with regional topography, drainage and findings from prior investigations conducted at the Site.

Vertical gradients are summarized in **Table 2**. Gradients between the shallow aquifer and deeper limestone aquifer were downward for most well pairs (e.g., MW-3/MW-3D, MW-9/MW-9D, MW-10/MW-10D, MW-14/MW-14D, MW-16/MW-16D, and MW-21/MW-21D), and ranged from 1.86E-02 feet per foot (ft/ft) at MW-21/MW-21D to 1.02E-01 ft/ft at MW-9/MW-9D. Upward gradients were evident in the vicinity of Half-Moon Branch (-4.11E-02 ft/ft at MW-15/MW-15D), indicating groundwater discharge to surface water. For the deeper limestone aquifer / deep sandstone aquifer well pairs, the gradients ranged from an upward gradient (-5.97E-04 ft/ft) at MW-3D/MW-3D1 to a downward gradient at MW-15D/MW-15D1 (1.00E-03 ft/ft).

4.2 Groundwater Quality

Groundwater quality indicator parameters, including pH, specific conductance, dissolved oxygen and ORP were measured in the field during the well purging and sampling process. A summary of the groundwater quality indicator parameters is presented in **Table 3**. The groundwater sampling logs are included in **Appendix A**. Analytical data are included in **Appendix B** and the analytical results for the monitoring wells are summarized in **Table 4**. Historical data trends for VOCs detected since the RI (AECOM, 2014) are presented in **Appendix C** and trend plots of VOCs and groundwater elevation versus time for select monitoring wells are included in **Appendix D**.

Shallow Aquifer Zone Monitoring Wells

VOCs

In the 11 groundwater samples collected from shallow aquifer zone groundwater during the spring 2021 semi-annual monitoring, four (4) VOCs (PCE, TCE, cis-1,2-DCE, and 1,1-DCE) were detected (**Table 4**). With the exception of 1,1-DCE, all of the detected compounds exceeded their respective MCLs in one or more samples of shallow groundwater.

PCE was the most frequently detected VOC in shallow aquifer zone groundwater samples (11 detections) and groundwater concentrations exceeded the MCL (5 micrograms per liter [µg/L]) in 10 shallow monitoring wells (MW-1, MW-3, MW-8, MW-9, MW-10, MW-19, MW-20, MW-21, MW-24, and MW-37; **Figure 6**). The two highest concentrations of PCE were at monitoring well MW-19 (53,900 µg/L) and MW-37 (17,400 µg/L), which are in the vicinity of the Former Northern PCE Degreaser. MW-21, which is located adjacent to the Former PCE UST and has been one of the monitoring wells with the highest PCE concentrations each sampling event since the well was installed in February/March 2014, had a PCE concentration of 13,600 µg/L. Elevated but lower concentrations of PCE were detected in shallow aquifer groundwater in MW-24 (1,910 µg/L) along the western property boundary, in MW-20 (222 µg/L) located near the Former Southern PCE Degreaser, in MW-9 (156 µg/L) and MW-10 (66.8 µg/L) located in the wooded areas of interest, in MW-8 (224 µg/L) located in the asphalt parking lot northeast of the main Facility building, in MW-3 (137 µg/L) downgradient of the Former PCE Secondary Containment Area, and in MW-1 (46.1 µg/L) adjacent to the Former PCE Secondary Containment Area. PCE was not detected in any off-site, shallow monitoring wells when they were last sampled in October 2021.

Detected TCE concentrations that exceeded the MCL occur across a smaller footprint than the PCE impacts and are coincident with the “hot-spots” of the PCE plume (**Figure 7**). TCE concentrations were detected in seven (7) shallow monitoring wells and exceeded the MCL (5 µg/L) in four (4) groundwater samples – MW-8 (32.2 µg/L), MW-9 (45.6 µg/L), MW-10 (25.2 µg/L), and MW-21 (199 µg/L, estimated).

Cis-1,2-DCE was detected in seven (7) shallow monitoring wells and exceeded the MCL (70 µg/L) in two (2) monitoring wells – MW-10 (105 µg/L) and MW-21 (359 µg/L; **Figure 8**). The detections of cis-1,2-DCE in the shallow aquifer correspond to “hot-spots” of PCE and TCE.

1,1-DCE was detected below its MCL (7 µg/L) in one monitoring well, MW-10 (5.7 µg/L).

There were no detections of COCs in groundwater samples collected from off-Site wells screened in the shallow aquifer zone. Based on the current (April 2021) and recent (October 2020) data, the nature and extent of COCs has been delineated in the shallow aquifer beneath the Site.

Indicator Parameters

Groundwater quality indicator parameters were monitored for all shallow monitoring wells during the groundwater purging process and recorded on the Field Data Logs for Groundwater Sampling, which are included in **Appendix A**. Indicator parameters are also presented in **Table 3**. Select indicator parameters are summarized in the inset table below, along with their observed ranges and their optimal ranges for anaerobic biodegradation based on USEPA guidance (USEPA, 1998). Based on this information, dissolved oxygen is in the favorable range for the reductive pathway in shallow monitoring well sampled in April 2021 (MW-21) and not tolerated in three (3) shallow monitoring wells (MW-1, MW-20, and MW-24). ORP is not favorable in any shallow monitoring wells. The pH was in the favorable range for three (3) of the 11 shallow monitoring wells sampled: MW-1, MW-2, and MW-24. The low pH and elevated ORP levels observed over much of the shallow aquifer zone may inhibit natural degradation of chlorinated VOCs.

Analysis	Minimum	Maximum	Average	Optimal Range for Anaerobic Biodegradation Processes*
pH (S.U.)	4.23	5.69	4.71	5 < pH < 9 - Optimal range for reductive pathway 5 > pH > 9 - Outside optimal range for reductive pathway
Dissolved Oxygen (mg/L)	0.15	6.26	3.23	<0.5 mg/L - Tolerated, suppresses the reductive pathway at higher concentrations >5 mg/L - Not tolerated; however, VC may be oxidized aerobically
ORP (mV)	146.1	329.3	215.4	<50 millivolts (mV) - Reductive pathway possible <-100mV - Reductive pathway likely

* - from the *Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Ground Water* (USEPA, 1998).

Data Trends

As shown in the table of historical VOC results (**Appendix C**) and the trend plots (**Appendix D**), the VOC concentrations in many wells have decreased with time from their highest values. For instance, the PCE concentration in MW-1, located adjacent to the Former PCE Secondary Containment Area, has decreased from a historic high of 15,000 µg/L in June 2003 to the current concentration of 46.1 µg/L. The PCE concentrations in MW-9 and MW-10 have decreased from maximums of 7,500 µg/L and 5,800 µg/L, respectively, at the time of their installation in December 2003. Since December 2003, the concentration in MW-9 has been decreasing, with a low of 194 µg/L in October 2019 and a current PCE concentration of 156 µg/L. In MW-10, the PCE has decreased from 5,800 in December 2013 to 41.4 µg/L in October 2016; the current PCE concentration is 66.8 µg/L. Similarly, the PCE concentration in MW-5 has decreased from a high of 345 µg/L in March 2005 and has been below the MCL for the last five monitoring events. The most recent (October 2020) PCE concentration in MW-5 is 0.89 J (estimated) µg/L.

Other wells, such as MW-3, located immediately downgradient of the Former PCE UST and the Former PCE Secondary Containment Area, exhibit mixed trend results. The PCE concentration in MW-3 has decreased from a high of 391 µg/L in October 2010 to an estimated value of 0.92 J µg/L in April 2015. The

PCE concentration in MW-3 then increased to 199 µg/L in April 2017 before decreasing to 77.30 µg/L in October 2017. The current concentration (137 µg/L) is within the range of recent results. In addition, PCE concentrations in MW-8 decreased from a historic high (491 µg/L) in May 2012 to 7.8 µg/L in April 2016. PCE concentrations in MW-8 had increased through October 2020 before decreasing to the current concentration of 224 µg/L in April 2021.

Concentrations of PCE in groundwater from MW-19, located near the northern-most Former PCE Degreaser exhibited an increasing trend between October 2014 (14,000 µg/L) and October 2016 (34,600 µg/L). The PCE concentration of MW-19 decreased to 18,700 µg/L in May 2018 but then increased to 53,900 µg/L in April 2021, which is the highest recorded concentration for this monitoring well. The detected PCE concentration in down-gradient well MW-24, located on the western edge of the property, was on an increasing trend from 344 µg/L in December 2015 to 2,290 µg/L in April 2019. The current PCE concentration in MW-24 is 1,910 µg/L. The elevated concentrations observed in MW-24 since April 2017 are likely a result mass migrating from the hot-spot near MW-19. Other wells, such MW-20, which is located near the southern-most Former PCE Degreaser and had a concentration of 222 µg/L in April 2021, exhibit detected PCE concentration trends that seem to fluctuate with groundwater elevation changes (i.e., the concentrations decrease when water levels are low and increase when water levels are higher). This may indicate residual VOCs in the vadose zone near former source areas.

The VOC concentrations in groundwater from MW-21, located near the Former PCE UST, were relatively stable early in the monitoring history (i.e., detected PCE concentrations of 13,200 µg/L to 16,300 µg/L between March 2014 and April 2016), but decreased to 181 µg/L during the October 2016 event. The October 2016 PCE concentration appears to be anomalously low, as the concentrations subsequently increased to a new high concentration of 25,600 µg/L in May 2018 before decreasing to 13,600 µg/L in April 2021. TCE concentration in MW-21 have also increased from a low of 2.3 µg/L in October 2016 to a high of 403 µg/L in October 2019; the current TCE concentration is 199 µg/L.

Deeper Limestone Aquifer Zone Monitoring Wells

VOCs

Sixteen (16) groundwater samples were collected from the deeper limestone aquifer zone groundwater during April 2021, resulting in four (4) VOCs (PCE, TCE, cis-1,2-DCE, and 1,1-DCE) that were detected (**Table 4**). Of these compounds, PCE and TCE exceeded their respective MCLs in one or more samples.

PCE was detected in 13 deeper aquifer zone groundwater samples and groundwater concentrations exceeded the MCL (5 µg/L) in 11 of these samples (MW-3D, MW-12D, MW-13D, MW-14D, MW-21D, MW-22D, MW-25D, MW-26D, MW-30D, MW-31D, and MW-32DR; **Figure 9**). The detected PCE concentration was highest in the deeper limestone aquifer down-gradient of the southeast corner of the main building, down-gradient of areas where PCE has been used historically on-Site (179 µg/L at MW-3D). PCE concentrations exceeded the MCL (5 µg/L) in on-site down-gradient monitoring wells MW-12D (98.6 µg/L), MW-13D (116 µg/L), and MW-21D (27.5 µg/L) and in off-Site down-gradient monitoring wells MW-14D (54.8 µg/L), MW-22D (80.7 µg/L), MW-25D (110 µg/L), MW-26D (6953.3 µg/L), MW-30D (87.7 µg/L), MW-31D (92.2 µg/L), and MW-32DR (16.6 µg/L).

TCE concentrations were detected in six (6) samples from the deeper aquifer zone in spring 2021. All of the detected concentrations were below the MCL of (5 µg/L), except for one sample in on-Site well MW-3D (7.4 µg/L) (**Figure 10**). TCE was also detected in off-Site down-gradient wells MW-14D, MW-25D, MW-26D, MW-30D, and MW-31D, but at low concentrations below the MCL.

Cis-1,2-DCE was detected in six (6) samples from deeper limestone aquifer zone groundwater during the spring 2021 monitoring event (MW-3D, MW-14D, MW-25D, MW-26D, MW-30D, and MW-31D). None of the detected concentrations exceeded the MCL for cis-1,2-DCE (70 µg/L; **Table 4**).

The groundwater contaminant plume in the deeper limestone aquifer is limited to PCE with one small area at MW-3D where the TCE concentration exceeds its MCL. The concentrations of all other constituents are either below their respective MCLs or not detected. Based on current and recent data (AECOM, February 2020; June 2020; March 2021), the nature and extent of COCs has been delineated in the deeper limestone aquifer.

Indicator Parameters

Groundwater quality indicator parameters were monitored in all deeper limestone aquifer monitoring wells during the groundwater purging process and recorded on the Field Data Logs for Groundwater Sampling, which are included in **Appendix A**. Indicator parameters are also presented in **Table 3** and select parameters are summarized in the inset table below, along with their observed ranges and their optimal ranges for anaerobic biodegradation based on USEPA guidance (1998). Based on this information, measured pH values are optimal in all deeper aquifer monitoring wells except MW-10D. Dissolved oxygen values are optimal in MW-12D, MW-32DR, and MW-36D and tolerated in deeper aquifer monitoring wells MW-12D, MW-32DR, and MW-36D. Dissolved oxygen levels are not tolerated at MW-25D. ORP values measured in April 2021 are not favorable in deeper aquifer monitoring wells except MW-3D, MW-12D, MW-13D, MW-21D, and MW-34D, and are optimal at MW-36D. Observed elevated ORP levels and the lack of dissolved oxygen levels in the favorable range in many areas, may inhibit natural degradation of chlorinated VOCs.

Analysis	Minimum	Maximum	Average	Optimal Range for Anaerobic Biodegradation Processes*
pH (S.U.)	4.56	10.30	7.74	5 < pH < 9 - Optimal range for reductive pathway 5 > pH > 9 - Outside optimal range for reductive pathway
Dissolved Oxygen (mg/L)	0.10	6.22	2.46	<0.5 mg/L - Tolerated, suppresses the reductive pathway at higher concentrations >5 mg/L - Not tolerated; however, VC may be oxidized aerobically
ORP (mV)	-148.8	166.0	72.8	<50 millivolts (mV) - Reductive pathway possible <-100mV - Reductive pathway likely

* - from the *Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Ground Water* (USEPA, 1998).

Data Trends

As with the shallow aquifer zone, the historical VOC results (**Appendix C**) and trend plots (**Appendix D**) for deeper groundwater show that the VOC concentrations in many wells have decreased with time from their highest values. For instance, PCE concentrations in MW-12D have decreased from a maximum of

451 µg/L detected in April 2010 to a low concentration of 12 µg/L in May 2011. Since then, PCE concentrations have fluctuated between 20.8 µg/L in November 2011 to 140 µg/L in April 2016, with a current concentration of 98.6 µg/L. PCE concentrations in MW-13D have decreased from a maximum of 292 µg/L in April 2010 and have been relatively steady at less than 100 µg/L since May 2011, except for an increase to 298 µg/L in October 2016. Since then, the PCE concentration in MW-13D has decreased and the current concentration (116 µg/L) is within the range of recent concentrations. The periodic increases in PCE in the deeper, down-gradient monitoring wells (e.g., MW-12D and MW-13D) may be a lagging response to increases observed in shallow monitoring wells near source areas in previous monitoring events.

Some of the deep monitoring wells on-site have exhibited more varied PCE concentrations. For instance, the PCE concentration in MW-3D has decreased from a maximum of 764 µg/L detected in April 2010 to values between approximately 200 µg/L and 400 µg/L from March 2014 to April 2020. The April 2021 concentration, 179 µg/L, is within the recent range for this well. PCE concentrations in MW-21D have decreased from 283 µg/L in March 2014 to 72.9 µg/L in October 2017. The concentration then increased to 357 µg/L in October 2018 before decreasing to 9.6 µg/L in April 2020. The current PCE concentration in MW-21D is 27.5 µg/L.

After the initial sampling of down-gradient well MW-14D, concentrations have remained fairly consistent throughout the monitoring period, between approximately 50 µg/L and 90 µg/L. The current PCE concentration is 54.8 µg/L. In other down-gradient monitoring wells, such as MW-22D and MW-25D, PCE concentrations have remained fairly consistent since the wells were installed. Other wells exhibited relatively consistent PCE values until a decline during a recent sampling event (e.g., MW-26D in April 2020) or were increasing until a recent decline in PCE values (e.g., MW-30D and MW-31D).

VOC concentrations in some deeper aquifer wells exhibit trends that correspond to water level fluctuations, such as with MW-13D (Appendix D). Other wells, such as MW-14D and MW-21D, show no clear trend related to groundwater elevation or, in the case of off-Site down-gradient well MW-22D, trend opposite groundwater elevations (i.e., concentrations decrease when water levels increase) in many instances. It is unclear if the reduction in flow during periods of lower water levels simply leads to less dilution (i.e., higher concentrations in water) or if PCE trends are the result of lag-time in transport to the wells further down-gradient.

4.3 Surface Water Quality

Four surface water samples were collected in April 2021 (**Figure 11**) for analysis of VOCs as requested by SCDHEC and discussed in **Section 2.1**. PCE was detected at a low, estimated concentration in one sample from SW-01-LC (2.1 µg/L), collected downgradient of the PCE plume at the intersection of Lemon Creek with Hwy 601. The detected concentration of PCE was less than the MCL for PCE (5 µg/L) and was below the SCDHEC Water Classification Standards for PCE based on consumption of an organism only (3.3 µg/L; SCDHEC, June 2014). No other VOCs were detected in surface water samples in April 2021 (**Table 5**).

The lack of detections in upgradient portions of the creeks (i.e., in surface water samples SW-03-HMB, SW-02-LC, and SW-04-TLC) coupled with the low detection in the downgradient portion of Lemon Creek

(SW-01-LC), indicates that deeper aquifer groundwater impacted with PCE concentrations is mixing with shallow aquifer groundwater and discharging to Lemon Creek. This is consistent with the site conceptual model presented in the *Deep Groundwater Delineation Technical Memorandum* (AECOM, June 2020), which was approved by SCHDEC in correspondence dated June 23, 2020.

4.4 Investigation Derived Waste

Two drums of purge and decontamination water were generated as IDW during the semi-annual sampling activities. One composite IDW water sample was collected from the drums for analysis of VOCs by USEPA Method 8260D, SVOCs by USEPA Method 8270E, and metals by USEPA Methods 6010D and 7470A. IDW sample results were screened against maximum concentration for the Toxicity Characteristic listed in Code of Federal Regulations (40CFR§261.24). The results are summarized in **Table 6** and show that the IDW is non-hazardous. These results were used to generate waste profiles and identify appropriate disposal options for the IDW with a Delavan-approved disposal facility. Delavan Spray Technologies Site personnel managed the transport and disposal of IDW generated during the semi-annual monitoring event.

4.5 Quality Assurance / Quality Control

The analytical data (**Appendix B**) associated with the semi-annual sampling were validated in accordance with the procedures outlined in the RI Work Plan (H&H, 2013). Quality assurance / quality control (QA/QC) sample results are presented in **Table 7** and data qualifiers added to the analytical data as a result of the validation process are defined in **Table 8**. The data assessment reports (DARs; **Appendix B**) explain data qualifiers added to the sample results as a result of the validation process.

Per the work plan, QA/QC samples collected include field duplicate samples, trip blank samples, and matrix spike/matrix spike duplicate (MS/MSD) samples. The results of these samples are discussed in the following sections. All duplicate, MS/MSD, and trip blank samples were analyzed by SGS North America, Inc., located in Orlando, Florida.

The validation of the analytical data from this event did not result in the rejection of any data. Therefore, the data associated with this laboratory batch should be considered compliant and adequate for its intended use.

Field Duplicates

Duplicate samples, designated with an “-DUP” suffix, were collected at the frequency of one per ten primary samples for groundwater samples. The results of the primary and field duplicate groundwater samples are provided in **Table 7**. No data qualifiers were added to the data as a result of the RPD between the primary and field duplicate samples.

Trip Blanks

Trip blank samples were submitted daily for coolers containing an aqueous sample for the analysis of VOCs. The results of the trip blank samples are provided in **Table 7**. No flags were added to primary samples in **Table 4** based on the trip blank analyses.

Matrix Spike/Matrix Spike Duplicates (MS/MSD)

MS/MSD samples were collected at a frequency of one per twenty primary samples and are included in the analytical data packages provided in **Appendix B**; however, these results were not tabulated as the information only pertains to the primary sample with which the MS/MSD is associated. No qualifiers were added as a result of the evaluation of MS/MSD samples from this event.

5.0 CONCLUSIONS

The following conclusions are submitted based on the evaluation of the spring 2021 semi-annual monitoring results and a limited comparison to previous sampling results:

- Shallow water levels in April 2021 were on average 1.48 ft higher than those collected during the fall 2020 groundwater monitoring event (October 2020) and are on average 0.68 feet lower than those measured during the spring 2020 groundwater monitoring event (April 2020). In the deeper limestone aquifer, groundwater elevations in April 2021 are on average 0.39 feet higher than those measured during the fall 2020 groundwater monitoring event (October 2020) and are on average 0.30 feet lower than those collected during the spring 2020 groundwater monitoring event (April 2020). The shape of the potentiometric surfaces and groundwater flow patterns in both the shallow and deeper aquifer zones are similar to those observed in the fall 2020 and spring 2020 monitoring events and previous investigations.
- Concentrations of VOCs in the main plume in the shallow aquifer are delineated on-Site and bounded by non-detect values of PCE in downgradient off-Site wells MW-27 and MW-28 (**Figure 6**). There were no COCs detected in off-Site monitoring wells screened in the shallow aquifer unit when they were last sampled in October 2020.
- Concentrations of VOCs are delineated in deeper limestone aquifer groundwater. PCE is the only VOC detected above its MCL off-site in deeper aquifer groundwater. As illustrated on **Figure 9**, PCE occurs in groundwater at concentrations above the MCL to the south / southwest of the site at monitoring well locations MW-14D, MW-22D, MW-25D, MW-26D, MW-30D, MW-31D and MW-32DR. The occurrence of PCE at these well locations is consistent with the inferred groundwater flow direction. These PCE concentrations have been delineated to below the MCL with the addition of the monitoring wells (i.e., MW-33D, MW-34D, MW-35D, and MW-36D; **Figure 9**) installed as part of the November 2019 Limestone Aquifer Assessment.
- Results of surface water analytical samples were non-detect for VOCs with the exception of PCE (2.1 µg/L) in surface water sample SW-01-LC (**Figure 11**). The surface water concentrations indicate deeper aquifer groundwater impacted with PCE concentrations is mixing with shallow aquifer groundwater and discharging to Lemon Creek, which is consistent with the conceptual site model (AECOM, June 2020). The detected concentration of PCE was less than the MCL for PCE (5 µg/L) and was below both the SCDHEC Water Classification Standards for PCE based on consumption of an organism only (3.3 µg/L; SCDHEC, June 2014).

Based on the data collected and reviewed since the RI, water levels and groundwater VOC concentrations fluctuate over time in some areas of the Site. Some wells, including MW-13D and MW-20, exhibit trends in PCE concentration that track with water level fluctuations. Other wells, such as MW-9, MW-14D, MW-19, MW-21, and MW-21D, exhibit mixed behavior or no trend regarding VOC and water level trends. The cause for the observed trends is not completely clear and is complicated by the residual VOC mass that has been documented to be present in hot-spots beneath the building footprint (i.e., in the vicinity of the Former PCE Degreasers).

In accordance with the monitoring requirement of the VCC, the next semi-annual sampling event is scheduled to occur in October 2021. Groundwater and surface water monitoring will be conducted in accordance with the proposed sampling plan included in **Table 9**.

Furthermore, the 11 residential wells where GAC treatment has been installed will be sampled in accordance with Table 10 of the Fall 2020 Semi-Annual Groundwater Monitoring Report (AECOM, March 2021).

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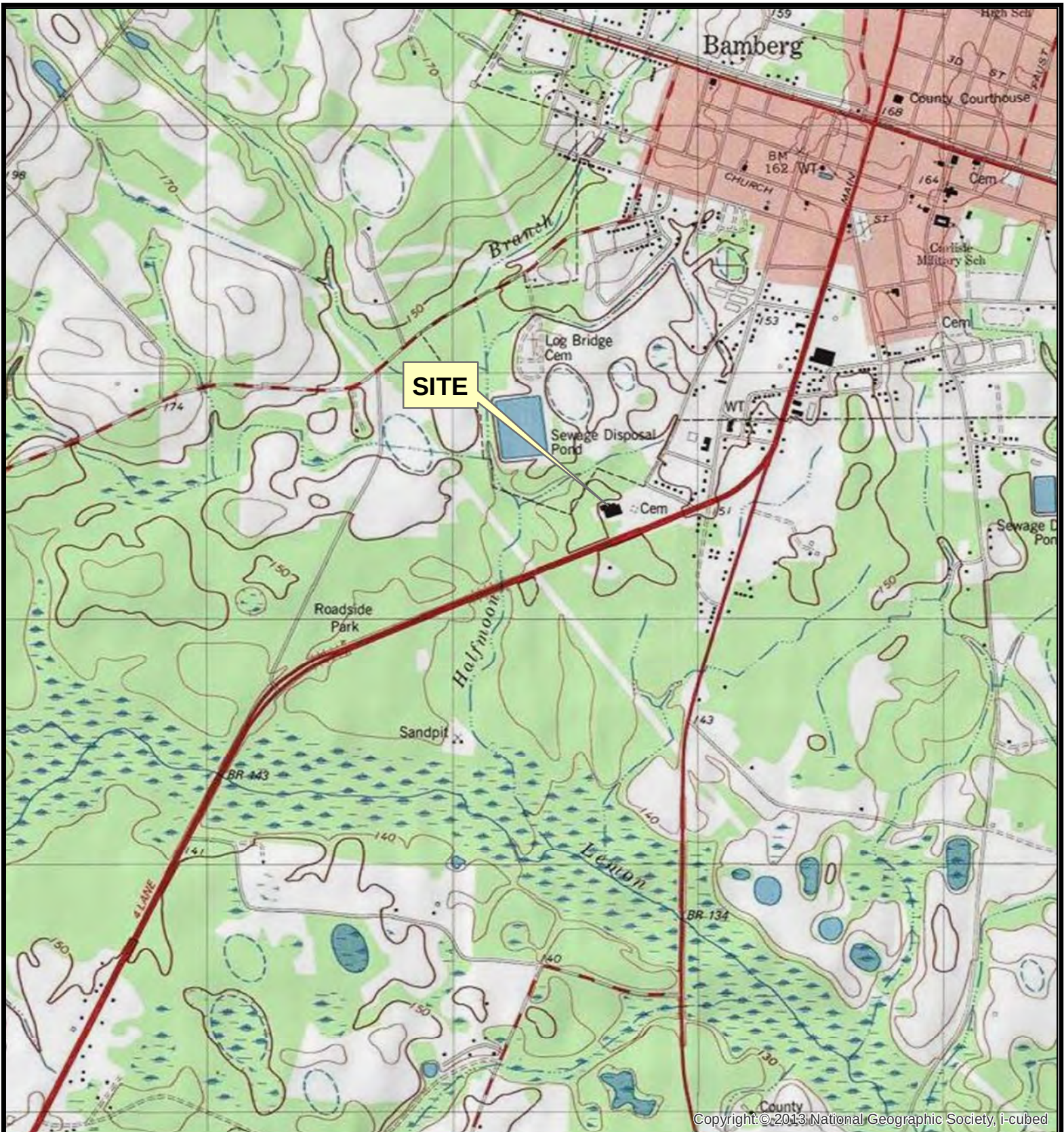
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USEPA, 1998. Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Ground Water.

FIGURES



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0 500 1,000 2,000 3,000 4,000
Feet

U.S.G.S. QUADRANGLE MAP
BAMBERG, SC 1979 (PHOTO REVISED 1987)

QUADRANGLE
7.5 MINUTE SERIES (TOPOGRAPHIC)

AECOM

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Delavan Spray Technologies Site
Bamberg, South Carolina

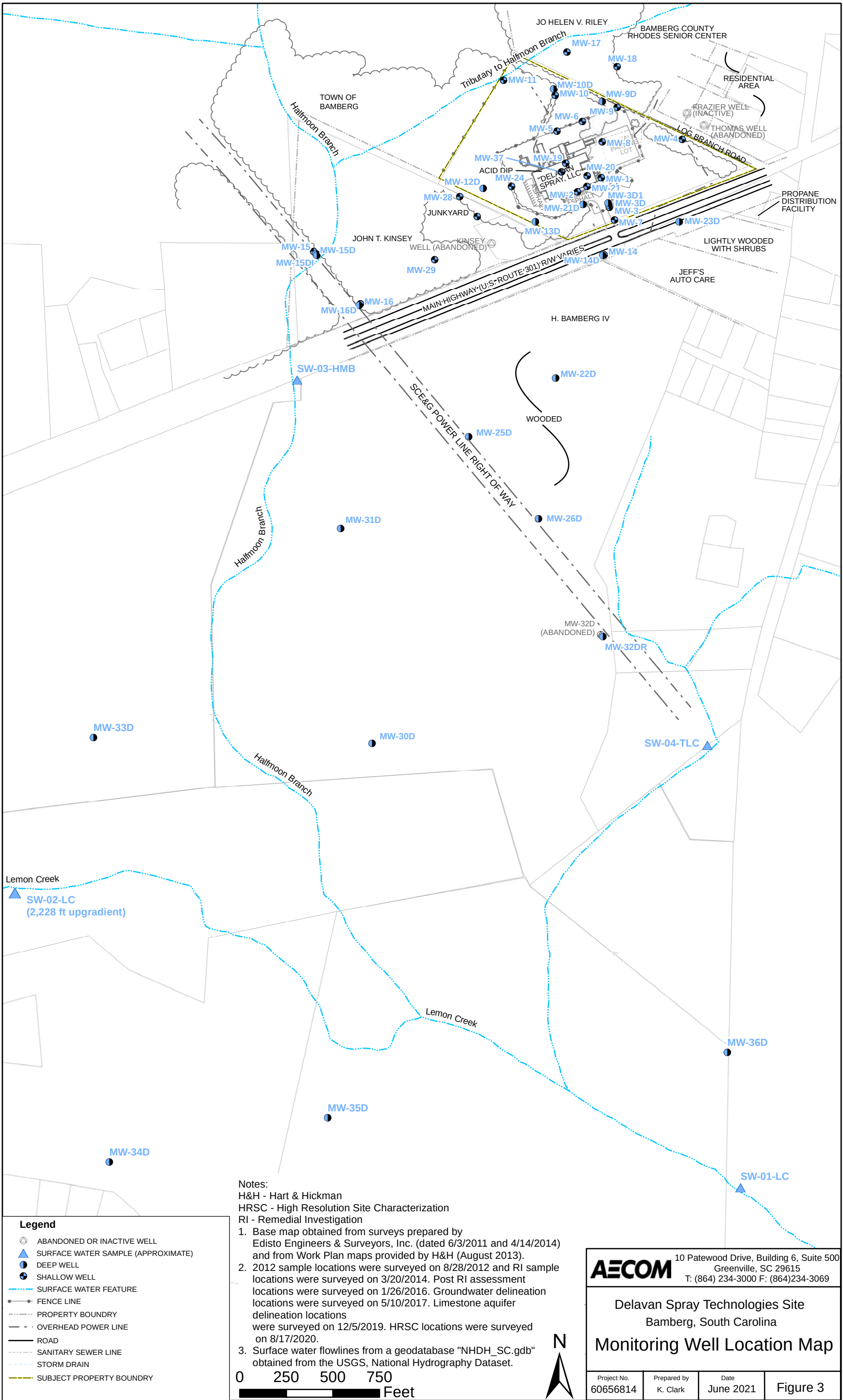
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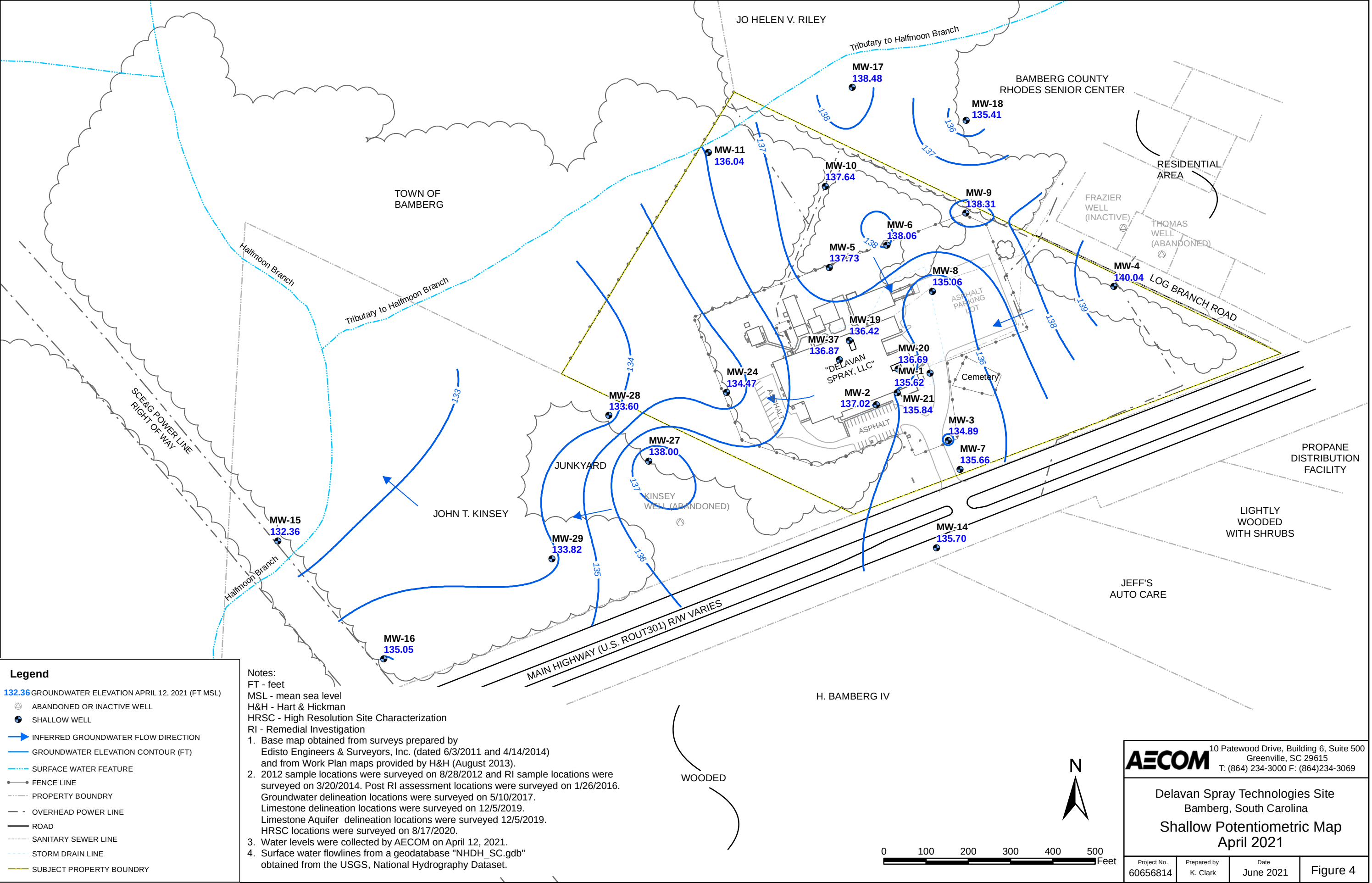
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60656814

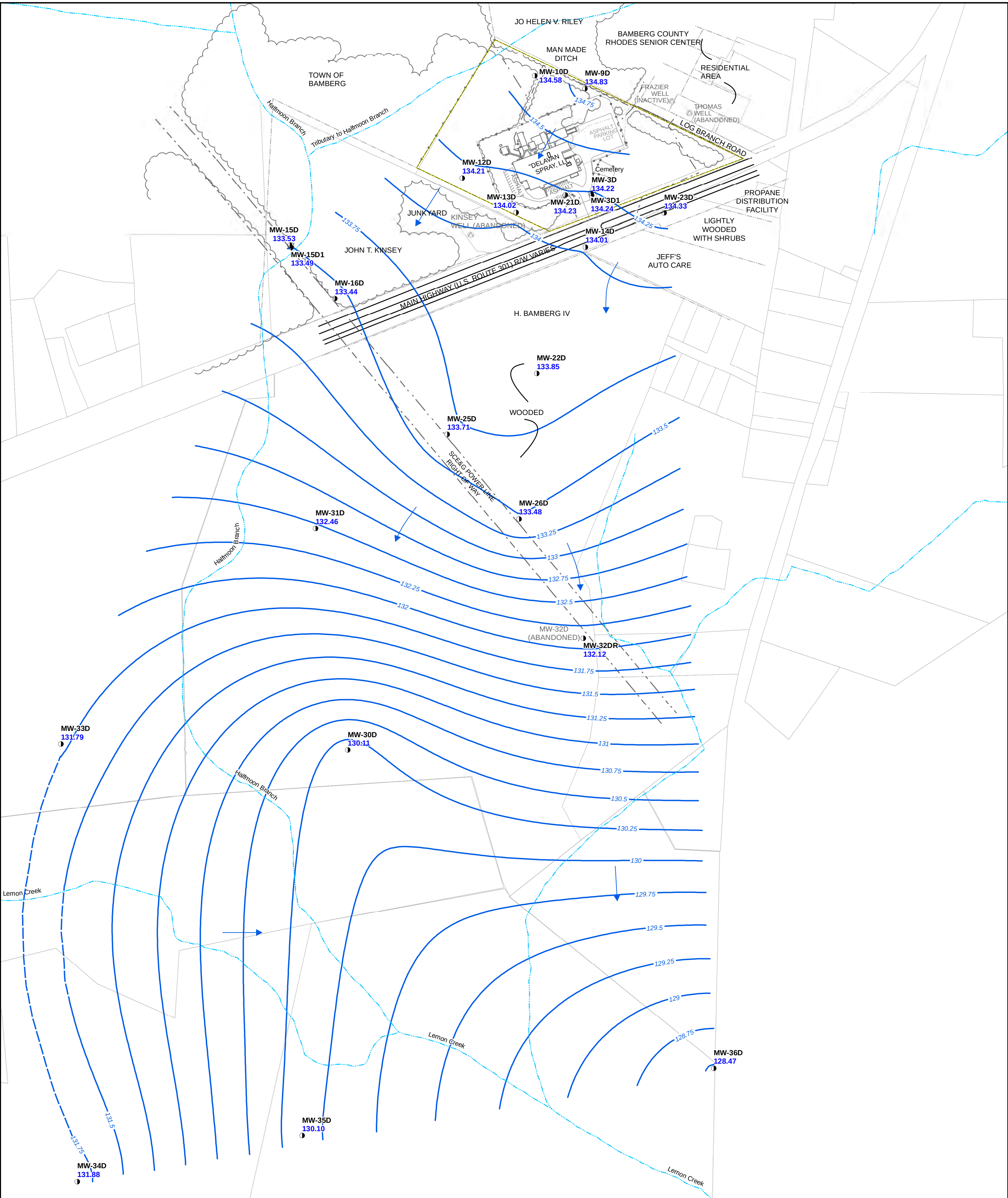
Prepared by
KCG

Date
June 2021

Figure 1







Legend

128.48 GROUNDWATER ELEVATION
APRIL 12, 2021 (FT MSL)

○ ABANDONED OR INACTIVE WELL
● DEEP WELL
→ INFERRED GROUNDWATER FLOW DIRECTION
— GROUNDWATER ELEVATION CONTOUR (FT)
--- SURFACE WATER FEATURE
--- FENCE LINE
--- PROPERTY BOUNDARY
--- OVERHEAD POWER LINE
--- ROAD
--- SANITARY SEWER LINE
--- STORM DRAIN LINE
--- SUBJECT PROPERTY BOUNDARY

Notes:
H&H - Hart & Hickman
RI - Remedial Investigation
HRSC - High Resolution Site Characterization
NS - Not Sampled; Posted result is from October 2020

1. Base map obtained from surveys prepared by Edisto Engineers & Surveyors, Inc. (dated 6/3/2011 and 4/14/2014) and from Work Plan maps provided by H&H (August 2013).
2. 2012 sample locations were surveyed on 8/28/2012 and RI sample locations were surveyed on 3/20/2014. Post RI assessment locations were surveyed on 1/26/2016. Groundwater delineation locations were surveyed on 5/10/2017. Limestone Aquifer delineation locations were surveyed 12/5/2019. HRSC locations were surveyed on 8/17/2020.
3. Water levels were collected by AECOM on 4/12/2021.
4. Surface water flowlines from a geodatabase "NHDH_SC.gdb" obtained from the USGS, National Hydrography Dataset.
5. Contours are dashed where they are inferred.

Scale

0 250 500 750 Feet

North Arrow

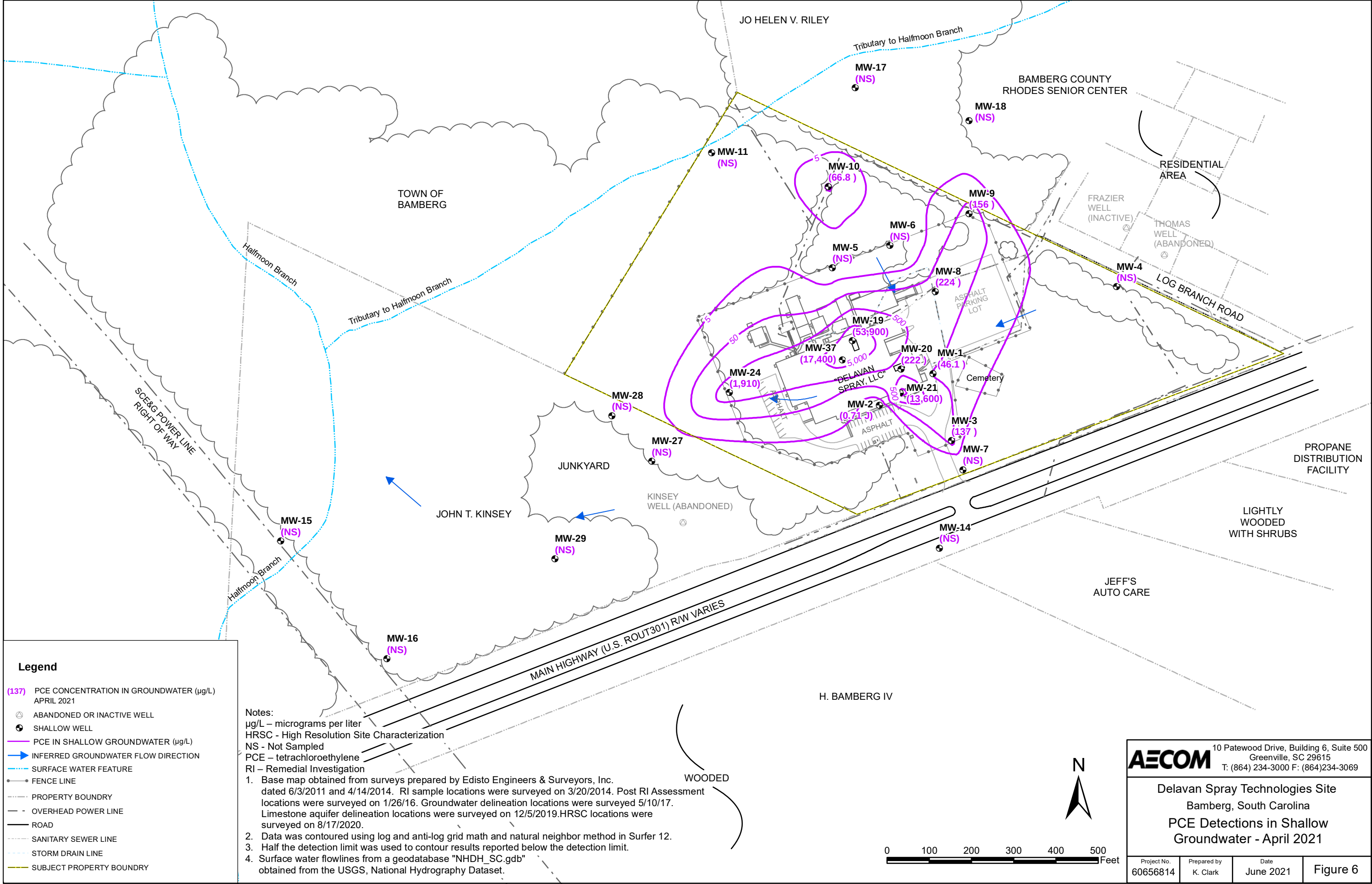
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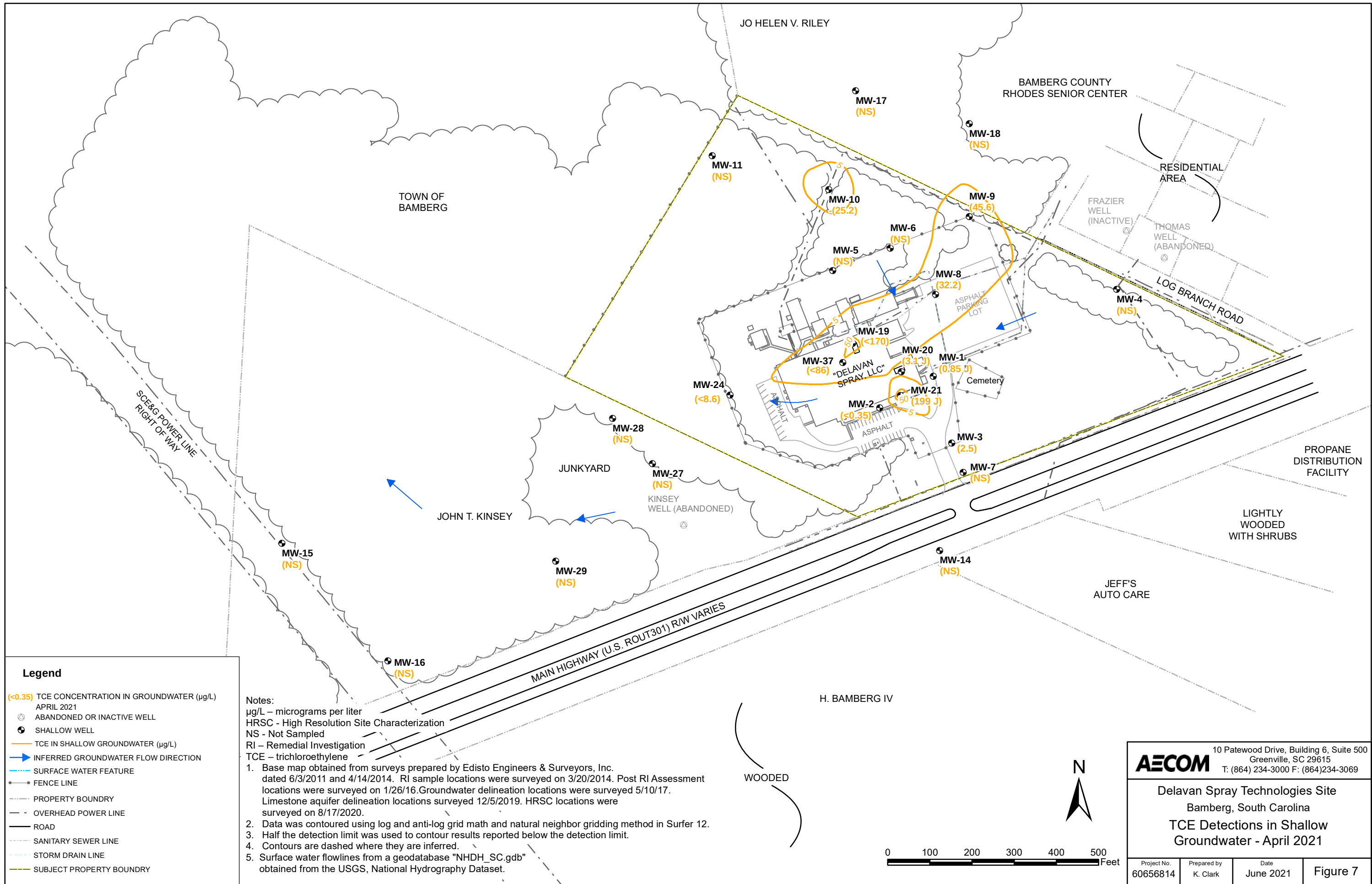
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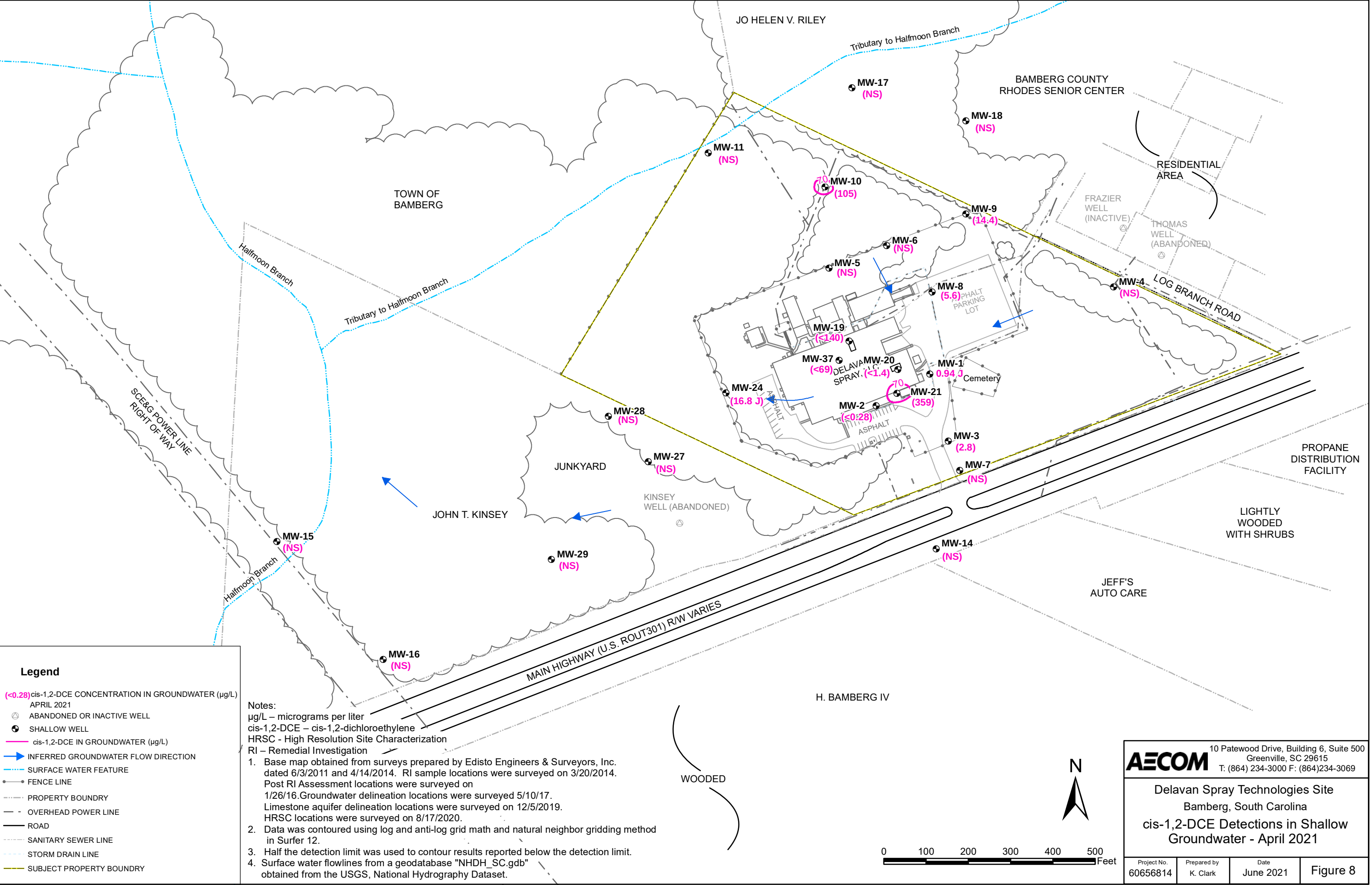
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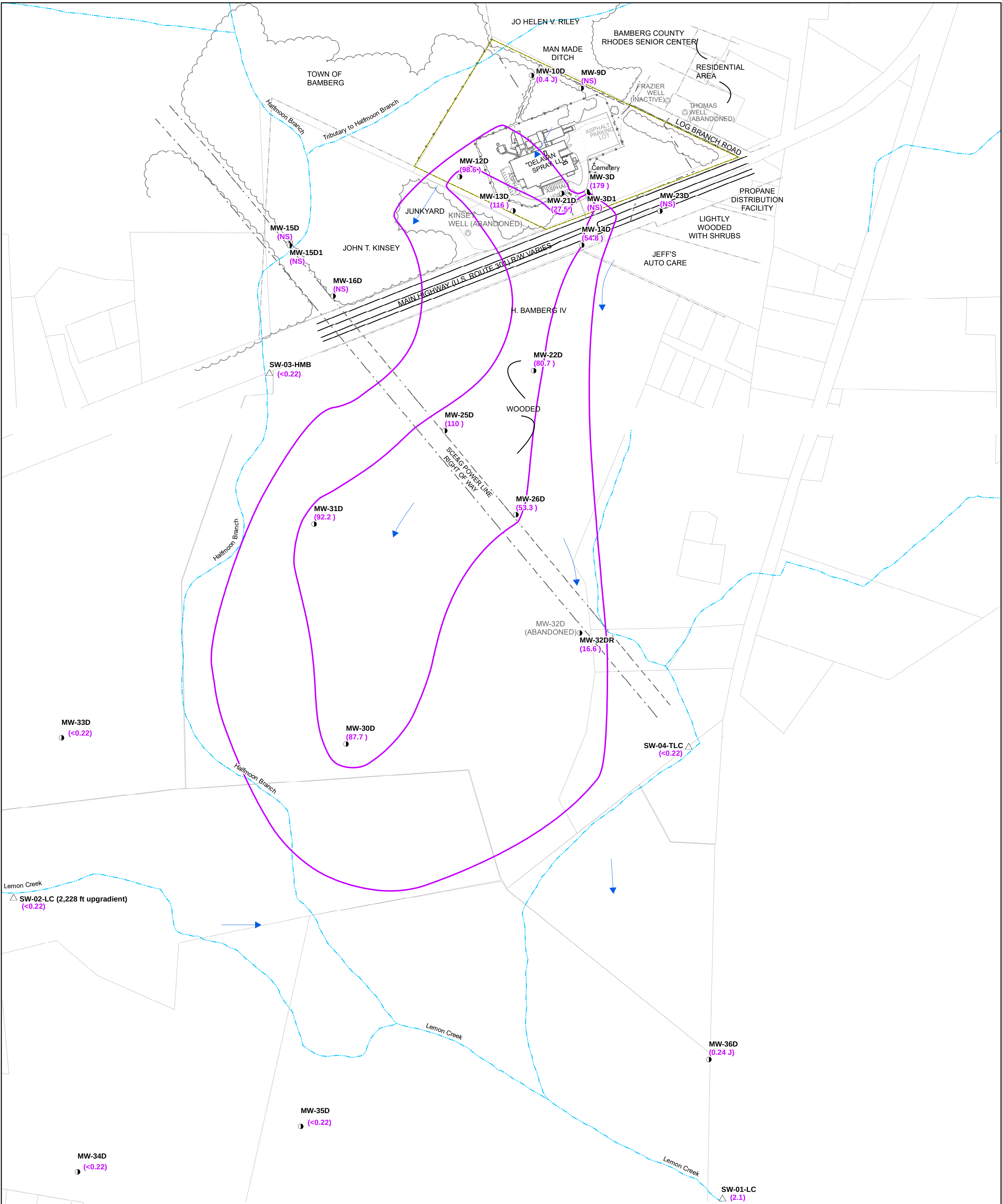
Delavan Spray Technologies Site
Bamberg, South Carolina
Deep Potentiometric Map
April 2021

Project No. 60656814	Prepared by K. Clark	Date June 2021	Figure 5
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Legend

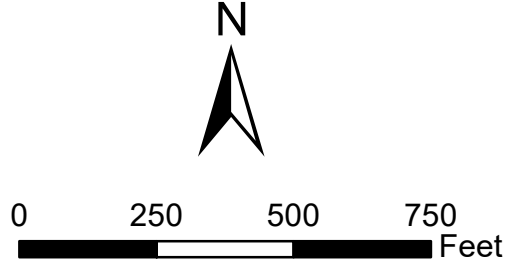
(<0.22) PCE CONCENTRATION IN GROUNDWATER ($\mu\text{g/L}$)
APRIL 2021

- ABANDONED OR INACTIVE WELL
- SURFACE WATER SAMPLE (APPROXIMATE)
- DEEP WELL
- PCE IN SHALLOW GROUNDWATER ($\mu\text{g/L}$)
- INFERRED GROUNDWATER FLOW DIRECTION
- SURFACE WATER FEATURE
- FENCE LINE
- PROPERTY BOUNDARY
- OVERHEAD POWER LINE
- ROAD
- SANITARY SEWER LINE
- STORM DRAIN LINE
- SUBJECT PROPERTY BOUNDARY

Notes:

$\mu\text{g/L}$ – micrograms per liter
HRSC – High Resolution Site Characterization
NS – Not Sampled
RI – Remedial Investigation
PCE – tetrachloroethylene

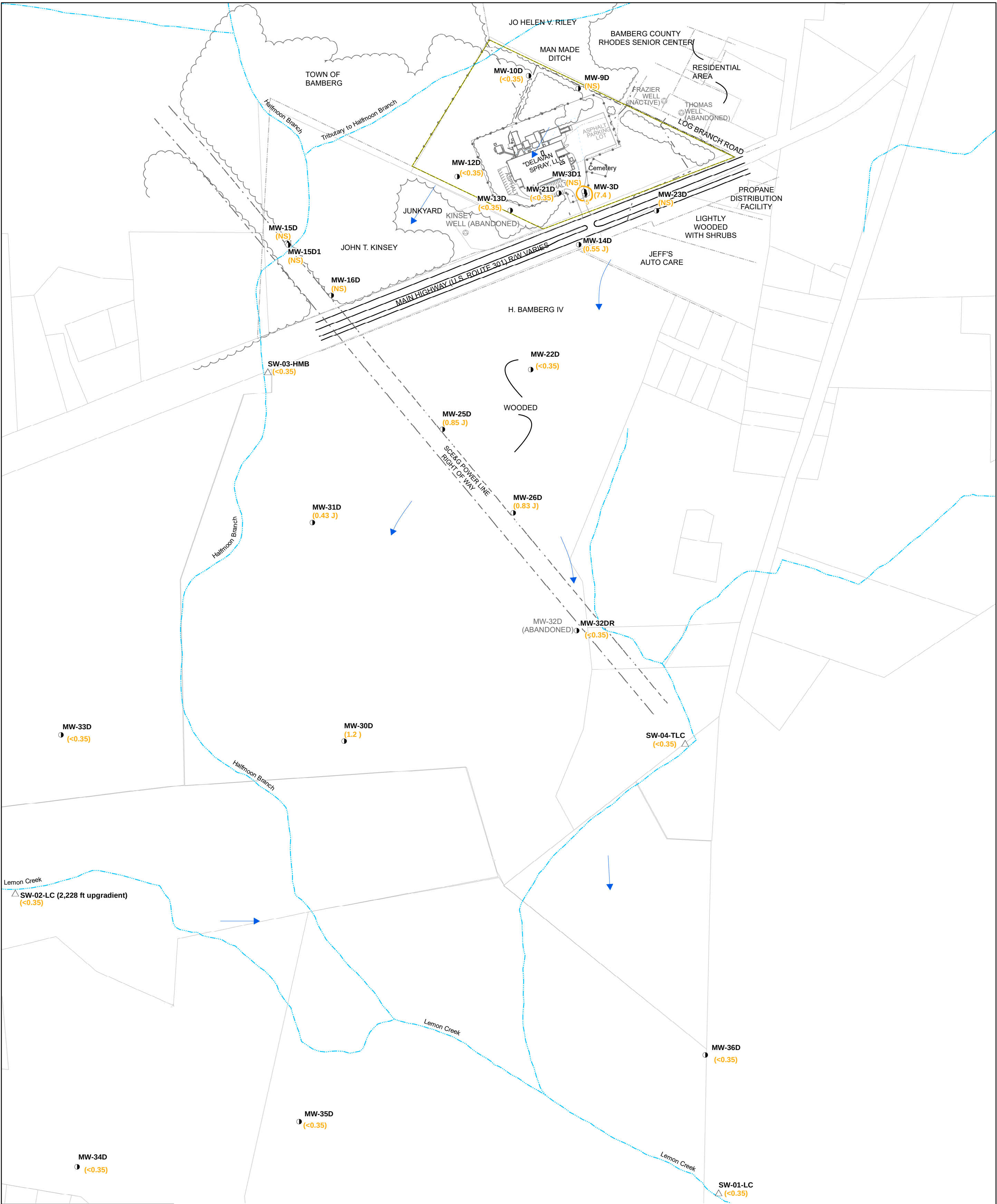
- Base map obtained from surveys prepared by Edisto Engineers & Surveyors, Inc. dated 6/3/2011 and 4/14/2014.
RI sample locations were surveyed on 3/20/2014.
Post RI assessment locations were surveyed on 1/26/2016.
Groundwater delineation locations were surveyed 5/10/17.
Limestone aquifer delineation locations were surveyed on 12/5/2019.
HRSC locations were surveyed on 8/17/2020.
- Data was contoured using log and anti-log grid math and natural neighbor gridding method in Surfer 12.
- Half the detection limit was used to contour results reported below the detection limit.
- Surface water flowlines from a geodatabase "NHDH_SC.gdb" obtained from the USGS, National Hydrography Dataset.



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Delavan Spray Technologies Site
Bamberg, South Carolina
**PCE Detections in Deeper
Groundwater - April 2021**

Project No. 60656814	Prepared by K.Clark	Date June 2021	Figure 9
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Legend

<0.22

TCE CONCENTRATION IN GROUNDWATER (µg/L)

APRIL 2021

ABANDONED OR INACTIVE WELL

SURFACE WATER SAMPLE (APPROXIMATE)

DEEP WELL

TCE IN SHALLOW GROUNDWATER (µg/L)

INFERRED GROUNDWATER FLOW DIRECTION

SURFACE WATER FEATURE

FENCE LINE

PROPERTY BOUNDARY

OVERHEAD POWER LINE

ROAD

SANITARY SEWER LINE

STORM DRAIN LINE

SUBJECT PROPERTY BOUNDARY

Notes:
µg/L – micrograms per liter
HRSC - High Resolution Site Characterization
RI - Remedial Investigation
TCE – trichloroethylene

- Base map obtained from surveys prepared by Edisto Engineers & Surveyors, Inc. dated 6/3/2011 and 4/14/2014. RI sample locations were surveyed on 3/20/2014. Post RI assessment locations were surveyed on 1/26/2016. Groundwater delineation locations were surveyed 5/10/17. Limestone aquifer delineation locations were surveyed on 12/5/2019. HRSC locations were surveyed on 8/17/2020.
- Data was contoured using log and anti-log grid math and natural neighbor gridding method in Surfer 12.
- Half the detection limit was used to contour results reported below the detection limit.
- Surface water flowlines from a geodatabase "NHDH_SC.gdb" obtained from the USGS, National Hydrography Dataset.

N

0

250

500

750

Feet

AECOM

10 Patewood Drive, Building 6, Suite 500
Greenville, SC 29615
T: (864) 234-3000 F: (864)234-3069

Delavan Spray Technologies Site
Bamberg, South Carolina

TCE Detections in Deeper
Groundwater - April 2021

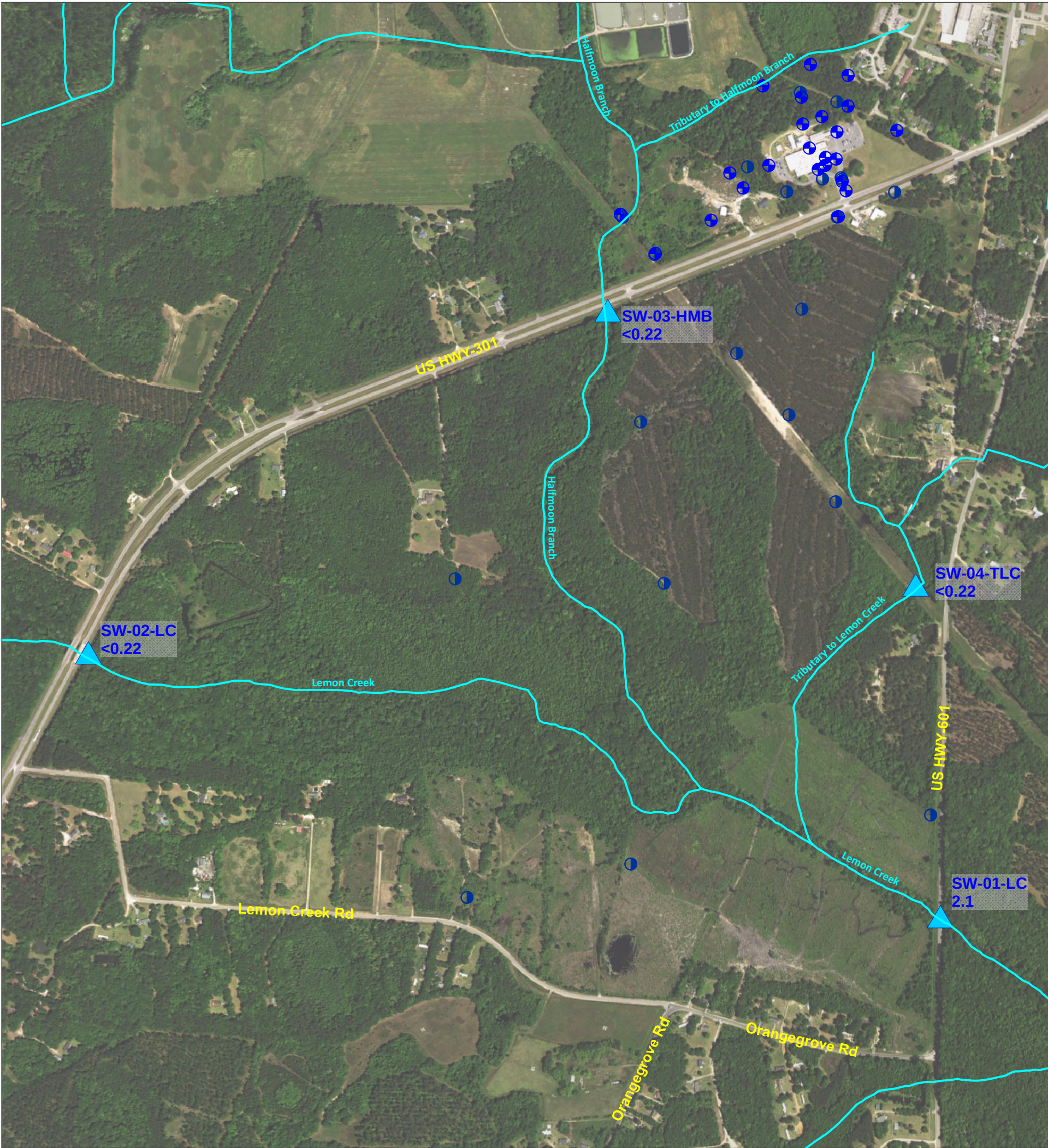
Project No.
60629985

Prepared by
K. Clark

Date
June 2021

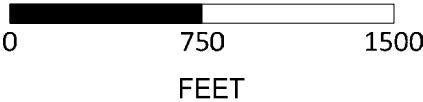
Figure 10

Path: \\USGRN1FP001\Data\Projects\60314964 - Bamberg\900-CAD-GIS\920 GIS-Graphics\Maps\Maps June 2021\Figure 10 DeepTCE.mxd



LEGEND

-  Surface Water Sample Location
 -  Shallow Monitoring Well Location
 -  Deep Monitoring Well Location
 -  Surface Water
- <0.22** PCE Concentration in Surface Water - April 2021



AECOM				10 Patewood Drive, Building 6, Suite 500 Greenville, SC 29615 T: (864) 234-2300 F: (864) 234-3069
Delavan Spray Technologies Site Bamberg, South Carolina				
PCE Detections in Surface Water April 2021				
Project No. 60656814	Prepared by L. Alexander	Date June 2021	Figure 11	

TABLES

Table 1
Groundwater Levels and Elevations
Delavan Spray Technologies Site
Bamberg, South Carolina

Well Number	Total Depth (ft BGS)	Surface Casing Depth (ft bgs)	Screen Interval (ft bgs)	Aquifer Designation	Ground Surface Elevation	Top of Casing Elevation	6/5/2003		7/9/2003		12/31/2003		1/16/2004		3/14/2005		6/1/2005		9/20/2005	
							Depth to Water	Elevation	Depth to Water	Elevation	Depth to Water	Elevation	Depth to Water	Elevation	Depth to Water	Elevation	Depth to Water	Elevation	Depth to Water	Elevation
MW-1	18	--	3-18	Shallow	147.56	147.19	9.70	137.49	8.42	138.77	12.88	134.31	13.02	134.17	12.54	134.65	12.31	134.88	12.66	134.53
MW-2	18	--	3-18	Shallow	147.81	147.63	5.81	141.82	4.76	142.87	12.52	135.11	12.73	134.90	11.95	135.68	10.56	137.07	12.37	135.26
MW-3	18	--	3-18	Shallow	148.34	148.11	11.41	136.70	9.20	138.91	14.11	134.00	14.11	134.00	13.54	134.57	13.86	134.25	13.94	134.17
MW-3D	49	24	44-49	Deeper Limestone	148.28	148.12	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-3D1	85	65	75-85	Deep Sandstone	148.12	147.93	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-4	14	--	4-14	Shallow	147.30	147.03	4.11	142.92	3.59	143.44	10.38	136.65	10.63	136.40	9.24	137.79	10.23	136.80	11.44	135.59
MW-5	14	--	4-14	Shallow	145.34	145.46	4.72	140.74	3.68	141.78	10.87	134.59	10.81	134.65	8.74	136.72	9.77	135.69	10.51	134.95
MW-6	14	--	4-14	Shallow	143.45	143.22	2.40	140.82	2.30	140.92	8.09	135.13	7.29	135.93	6.44	136.78	6.38	136.84	8.24	134.98
MW-7	20	--	5-20	Shallow	149.25	149.03	NI	NI	NI	NI	14.88	134.15	14.93	134.10	13.97	135.06	14.45	134.58	14.52	134.51
MW-8	20	--	5-20	Shallow	145.95	145.66	NI	NI	NI	NI	12.06	133.60	12.17	133.49	11.97	133.69	12.14	133.52	13.07	132.59
MW-9	20	--	5-20	Shallow	144.11	143.89	NI	NI	NI	NI	9.82	134.07	9.55	134.34	8.45	135.44	7.61	136.28	10.57	133.32
MW-9D	49	24	44-49	Deeper Limestone	144.80	144.20	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-10	18	--	3-18	Shallow	142.56	142.19	NI	NI	NI	NI	7.48	134.71	7.52	134.67	5.19	137.00	6.02	136.17	7.51	134.68
MW-10D	48	30	43-48	Deeper Limestone	142.08	141.79	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-11	18	--	3-18	Shallow	143.77	143.16	NI	NI	NI	NI	8.00	135.16	8.12	135.04	7.48	135.68	7.87	135.29	8.90	134.26
MW-12D	50	30	40-50	Deeper Limestone	147.86	147.65	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-13D	50	30	40-50	Deeper Limestone	146.41	146.23	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-14	20	--	5-20	Shallow	147.05	146.90	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-14D	50	29	40-50	Deeper Limestone	147.11	146.88	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-15	19	--	4-19	Shallow	136.13	135.73	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-15D	45	30	35-45	Deeper Limestone	135.93	135.59	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-15D1	85	65	75-85	Deep Sandstone	135.94	135.69	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-16	19	--	4-19	Shallow	138.74	138.30	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-16D	45	29	35-45	Deeper Limestone	138.70	138.38	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-17	28.4	--	13-28	Shallow	142.07	141.66	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-18	26.4	--	11-26	Shallow	145.68	145.41	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-19	20.15	--	5-20	Shallow	148.47	148.22	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-20	15.15	--	5-15	Shallow	148.50	148.19	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-21	34.4	--	19-34	Shallow	148.43	147.97	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-21D	53.4	31.5	43-53	Deeper Limestone	147.28	146.92	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-22D	48.4	36	38-48	Deeper Limestone	146.42	145.96	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-23D	50.4	34	40-50	Deeper Limestone	148.48	148.26	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-24	21	--	6-21	Shallow	148.52	147.85	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-25D	62	--	52-62	Deeper Limestone	139.30	139.21	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-26D	48	--	38-48	Deeper Limestone	143.83	143.64	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-27	29	--	19 - 29	Shallow	145.93	145.78	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-28	29	--	19 - 29	Shallow	146.35	146.12	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-29	29	--	19 - 29	Shallow	141.03	140.55	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-30D	60	--	50 - 60	Deeper Limestone	135.90	136.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-31D	60	--	50 - 60	Deeper Limestone	141.39	141.39	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-32D	60	--	50 - 60	Deeper Limestone	139.14	138.92	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-32DR	60	--	50 - 60	Deeper Limestone	139.20	138.88	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-33D	74.39	--	64.09 - 74.02	Deeper Limestone	142.14	144.79	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-34D	79.78	--	69.44 - 79.40	Deeper Limestone	142.70	145.71	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-35D	74.56	--	64.25 - 74.18	Deeper Limestone	139.26	141.95	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-36D	64.29	--	53.99 - 63.92	Deeper Limestone	128.57	130.93	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-37	22.07	--	11.81 - 21.81	Shallow	148.64	148.36	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI

Table 1
Groundwater Levels and Elevations
Delavan Spray Technologies Site
Bamberg, South Carolina

Well Number	Total Depth	Surface Casing Depth (ft bgs)	Screen Interval (ft bgs)	Aquifer Designation	Ground Surface Elevation	Top of Casing Elevation	12/12/2005		3/28/2006		6/26/2006		10/6/2006		1/12/2007		1/8/2008		11/4/2009	
							Depth to Water	Elevation	Depth to Water	Elevation	Depth to Water	Elevation	Depth to Water	Elevation	Depth to Water	Elevation	Depth to Water	Elevation	Depth to Water	Elevation
MW-1	18	--	3-18	Shallow	147.56	147.19	13.41	133.78	11.97	135.22	12.16	135.03	13.67	133.52	12.06	135.13	13.50	133.69	14.70	132.49
MW-2	18	--	3-18	Shallow	147.81	147.63	12.99	134.64	10.59	137.04	10.44	137.19	13.13	134.50	10.63	137.00	11.63	136.00	14.15	133.48
MW-3	18	--	3-18	Shallow	148.34	148.11	14.58	133.53	13.49	134.62	13.67	134.44	14.15	133.96	13.24	134.87	13.62	134.49	15.84	132.27
MW-3D	49	24	44-49	Deeper Limestone	148.28	148.12	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	16.10	132.02	17.30	130.82
MW-3D1	85	65	75-85	Deep Sandstone	148.12	147.93	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	17.11	130.82
MW-4	14	--	4-14	Shallow	147.30	147.03	11.81	135.22	7.53	139.50	9.26	137.77	11.82	135.21	7.79	139.24	9.53	137.50	13.52	133.51
MW-5	14	--	4-14	Shallow	145.34	145.46	11.30	134.16	6.74	138.72	8.74	136.72	11.57	133.89	7.33	138.13	9.09	136.37	12.70	132.76
MW-6	14	--	4-14	Shallow	143.45	143.22	8.29	134.93	4.17	139.05	6.30	136.92	9.46	133.76	4.90	138.32	6.10	137.12	10.09	133.13
MW-7	20	--	5-20	Shallow	149.25	149.03	15.11	133.92	13.91	135.12	14.22	134.81	14.99	134.04	13.23	135.80	14.20	134.83	15.93	133.10
MW-8	20	--	5-20	Shallow	145.95	145.66	12.81	132.85	11.17	134.49	12.32	133.34	13.67	131.99	11.62	134.04	12.85	132.81	14.35	131.31
MW-9	20	--	5-20	Shallow	144.11	143.89	9.33	134.56	6.91	136.98	8.98	134.91	11.60	132.29	7.41	136.48	8.17	135.72	11.54	132.35
MW-9D	49	24	44-49	Deeper Limestone	144.48	144.20	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	11.82	132.38	12.89	131.31
MW-10	18	--	3-18	Shallow	142.56	142.19	7.45	134.74	3.49	138.70	5.82	136.37	8.65	133.54	4.12	138.07	5.66	136.53	9.74	132.45
MW-10D	48	30	43-48	Deeper Limestone	142.08	141.79	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	9.45	132.34	10.68	131.11
MW-11	18	--	3-18	Shallow	143.77	143.16	8.63	134.53	6.84	136.32	8.01	135.15	9.26	133.90	7.30	135.86	7.89	135.27	10.01	133.15
MW-12D	50	30	40-50	Deeper Limestone	147.86	147.65	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	16.69	130.96
MW-13D	50	30	40-50	Deeper Limestone	146.41	146.23	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	15.55	130.68
MW-14	20	--	5-20	Shallow	147.05	146.90	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	15.03	131.87
MW-14D	50	29	40-50	Deeper Limestone	147.11	146.88	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	16.20	130.68
MW-15	18	--	4-19	Shallow	136.13	135.73	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-15D	45	30	35-45	Deeper Limestone	135.93	135.59	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-15D1	85	65	75-85	Deep Sandstone	135.94	135.69	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-16	19	--	4-19	Shallow	138.74	138.30	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-16D	45	29	35-45	Deeper Limestone	138.70	138.38	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-17	28.4	--	13-28	Shallow	142.07	141.66	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-18	26.4	--	11-26	Shallow	145.68	145.41	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-19	20.15	--	5-20	Shallow	148.47	148.22	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-20	15.15	--	5-15	Shallow	148.50	148.19	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-21	34.4	--	19-34	Shallow	148.43	147.97	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-21D	53.4	31.5	43-53	Deeper Limestone	147.28	146.92	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-22D	48.4	36	38-48	Deeper Limestone	146.42	145.96	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-23D	50.4	34	40-50	Deeper Limestone	148.48	148.26	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-24	21	--	6-21	Shallow	148.52	147.85	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-25D	62	--	52-62	Deeper Limestone	139.30	139.21	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-26D	48	--	38-48	Deeper Limestone	143.83	143.64	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-27	29	--	19 - 29	Shallow	145.93	145.78	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-28	29	--	19 - 29	Shallow	146.35	146.12	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-29	29	--	19 - 29	Shallow	141.03	140.55	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-30D	60	--	50 - 60	Deeper Limestone	135.90	136.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-31D	60	--	50 - 60	Deeper Limestone	141.39	141.39	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-32D	60	--	50 - 60	Deeper Limestone	139.14	138.92	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-32DR	60	--	50 - 60	Deeper Limestone	139.20	138.88	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-33D	74.39	--	64.09 - 74.02	Deeper Limestone	142.14	144.79	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-34D	79.78	--	69.44 - 79.40	Deeper Limestone	142.70	145.71	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-35D	74.56	--	64.25 - 74.18	Deeper Limestone	139.26	141.95	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-36D	64.29	--	53.99 - 63.92	Deeper Limestone	128.57	130.93	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-37	22.07	--	11.81 - 21.81	Shallow	148.64	148.36	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI

Table 1
Groundwater Levels and Elevations
Delavan Spray Technologies Site
Bamberg, South Carolina

Well Number	Total Depth	Surface Casing Depth (ft bgs)	Screen Interval (ft bgs)	Aquifer Designation	Ground Surface Elevation	Top of Casing Elevation	4/29/2010		10/25/2010		12/15/2010		5/23/2011		11/8/2011		5/8/2012		3/20/2014	
							Depth to Water	Elevation	Depth to Water	Elevation	Depth to Water	Elevation	Depth to Water	Elevation	Depth to Water	Elevation	Depth to Water	Elevation	Depth to Water	Elevation
MW-1	18	--	3-18	Shallow	147.56	147.19	12.20	134.99	14.38	132.81	15.17	132.02	13.29	133.90	14.88	132.31	13.05	134.14	11.02	136.17
MW-2	18	--	3-18	Shallow	147.81	147.63	11.50	136.13	13.70	133.93	14.84	132.79	12.88	134.75	14.51	133.12	12.94	134.69	10.25	137.38
MW-3	18	--	3-18	Shallow	148.34	148.11	13.81	134.30	14.56	133.55	15.84	132.27	14.01	134.10	15.65	132.46	13.93	134.18	12.15	135.96
MW-3D	49	24	44-49	Deeper Limestone	148.28	148.12	15.03	133.09	17.39	130.73	17.36	130.76	16.75	131.37	17.45	130.67	16.22	131.90	13.74	134.38
MW-3D1	85	65	75-85	Deep Sandstone	148.12	147.93	14.86	133.07	17.32	130.61	17.19	130.74	16.55	131.38	17.29	130.64	16.05	131.88	13.52	134.41
MW-4	14	--	4-14	Shallow	147.30	147.03	8.95	138.08	12.73	134.30	13.49	133.54	11.37	135.66	Dry	NA	9.44	137.59	4.7	142.33
MW-5	14	--	4-14	Shallow	145.34	145.46	9.50	135.96	12.31	133.15	13.51	131.95	11.05	134.41	13.45	132.01	8.97	136.49	4.76	140.70
MW-6	14	--	4-14	Shallow	143.45	143.22	6.50	136.72	10.00	133.22	11.32	131.90	8.40	134.82	11.15	132.07	6.20	137.02	3.04	140.18
MW-7	20	--	5-20	Shallow	149.25	149.03	14.30	134.73	15.33	133.70	15.89	133.14	14.65	134.38	15.73	133.30	14.39	134.64	11.87	137.16
MW-8	20	--	5-20	Shallow	145.95	145.66	11.79	133.87	14.35	131.31	14.52	131.14	13.50	132.16	14.60	131.06	12.88	132.78	10.27	135.39
MW-9	20	--	5-20	Shallow	144.11	143.89	6.81	137.08	11.65	132.24	12.55	131.34	9.20	134.69	12.60	131.29	6.25	137.64	4.87	139.02
MW-9D	49	24	44-49	Deeper Limestone	144.48	144.20	10.58	133.62	12.99	131.21	12.98	131.22	12.26	131.94	13.12	131.08	11.78	132.42	9.15	135.05
MW-10	18	--	3-18	Shallow	142.56	142.19	6.14	136.05	9.73	132.46	10.66	131.53	7.98	134.21	10.57	131.62	5.88	136.31	2.63	139.56
MW-10D	48	30	43-48	Deeper Limestone	142.08	141.79	8.38	133.41	10.76	131.03	10.76	131.03	10.02	131.77	10.89	130.90	9.59	132.20	6.99	134.80
MW-11	18	--	3-18	Shallow	143.77	143.16	8.15	135.01	9.98	133.18	10.92	132.24	9.11	134.05	10.82	132.34	8.39	134.77	6.39	136.77
MW-12D	50	30	40-50	Deeper Limestone	147.86	147.65	14.62	133.03	16.92	130.73	16.87	130.78	16.18	131.47	16.99	130.66	15.69	131.96	13.28	134.37
MW-13D	50	30	40-50	Deeper Limestone	146.41	146.23	13.33	132.90	15.65	130.58	15.61	130.62	14.99	131.24	15.71	130.52	14.44	131.79	12.02	134.21
MW-14	20	--	5-20	Shallow	147.05	146.90	12.69	134.21	13.99	132.91	14.67	132.23	13.38	133.52	14.52	132.38	12.97	133.93	10.49	136.41
MW-14D	50	29	40-50	Deeper Limestone	147.11	146.88	14.01	132.87	16.34	130.54	16.26	130.62	15.69	131.19	16.37	130.51	15.09	131.79	12.71	134.17
MW-15	18	--	4-19	Shallow	136.13	135.73	NI	NI	NI	NI	NI	NI	5.44	130.29	6.68	129.05	3.77	131.96	1.71	134.02
MW-15D	45	30	35-45	Deeper Limestone	135.93	135.59	NI	NI	NI	NI	NI	NI	4.55	131.04	5.23	130.36	4.15	131.44	1.92	133.67
MW-15D1	85	65	75-85	Deep Sandstone	135.94	135.69	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	4.25	131.44	2.04	133.65
MW-16	19	--	4-19	Shallow	138.74	138.30	NI	NI	NI	NI	NI	NI	6.40	131.90	8.15	130.15	5.26	133.04	2.54	135.76
MW-16D	45	29	35-45	Deeper Limestone	138.70	138.38	NI	NI	NI	NI	NI	NI	7.49	130.89	8.30	130.08	7.05	131.33	4.79	133.59
MW-17	28.4	--	13-28	Shallow	142.07	141.66	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	1.90	139.76
MW-18	26.4	--	11-26	Shallow	145.68	145.41	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	9.07	136.34
MW-19	20.15	--	5-20	Shallow	148.47	148.22	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	11.35	136.87
MW-20	15.15	--	5-15	Shallow	148.50	148.19	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	11.11	137.08
MW-21	34.4	--	19-34	Shallow	148.43	147.97	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	11.42	136.55
MW-21D	53.4	31.5	43-53	Deeper Limestone	147.28	146.92	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	12.51	134.41
MW-22D	48.4	36	38-48	Deeper Limestone	146.42	145.96	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	11.96	134.00
MW-23D	50.4	34	40-50	Deeper Limestone	148.48	148.26	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	13.73	134.53
MW-24	21	--	6-21	Shallow	148.52	147.85	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-25D	62	--	52-62	Deeper Limestone	139.30	139.21	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-26D	48	--	38-48	Deeper Limestone	143.83	143.64	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-27	29	--	19 - 29	Shallow	145.93	145.78	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-28	29	--	19 - 29	Shallow	146.35	146.12	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-29	29	--	19 - 29	Shallow	141.03	140.55	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-30D	60	--	50 - 60	Deeper Limestone	135.90	136.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-31D	60	--	50 - 60	Deeper Limestone	141.39	141.39	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-32D	60	--	50 - 60	Deeper Limestone	139.14	138.92	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-32DR	60	--	50 - 60	Deeper Limestone	139.20	138.88	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-33D	74.39	--	64.09 - 74.02	Deeper Limestone	142.14	144.79	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-34D	79.78	--	69.44 - 79.40	Deeper Limestone	142.70	145.71	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-35D	74.56	--	64.25 - 74.18	Deeper Limestone	139.26	141.95	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-36D	64.29	--	53.99 - 63.92	Deeper Limestone	128.57	130.93	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-37	22.07	--	11.81 - 21.81	Shallow	148.64	148.36	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI

Table 1
Groundwater Levels and Elevations
Delavan Spray Technologies Site
Bamberg, South Carolina

Well Number	Total Depth	Surface Casing Depth (ft bgs)	Screen Interval (ft bgs)	Aquifer Designation	Ground Surface Elevation	Top of Casing Elevation	10/27/2014		4/20/2015		10/26/2015		4/11/2016		10/24/2016		4/12/2017		4/13/2017	
							Depth to Water	Elevation	Depth to Water	Elevation	Depth to Water	Elevation	Depth to Water	Elevation	Depth to Water	Elevation	Depth to Water	Elevation	Depth to Water	Elevation
MW-1	18	--	3-18	Shallow	147.56	147.19	13.53	133.66	10.81	136.38	10.51	136.68	11.40	135.79	11.05	136.14	12.38	134.81	NM	NM
MW-2	18	--	3-18	Shallow	147.81	147.63	13.63	134.00	9.64	137.99	8.61	139.02	10.43	137.20	10.11	137.52	12.04	135.59	NM	NM
MW-3	18	--	3-18	Shallow	148.34	148.11	14.16	133.95	12.62	135.49	12.73	135.38	13.19	134.92	13.08	135.03	13.94	134.17	NM	NM
MW-3D	49	24	44-49	Deeper Limestone	148.28	148.12	16.07	132.05	13.48	134.64	13.89	134.23	14.04	134.08	13.96	134.16	14.61	133.51	14.67	133.45
MW-3D1	85	65	75-85	Deep Sandstone	148.12	147.93	15.89	132.04	13.25	134.68	13.69	134.24	13.83	134.10	13.75	134.18	14.40	133.53	NM	NM
MW-4	14	--	4-14	Shallow	147.30	147.03	11.70	135.33	4.79	142.24	4.47	142.56	5.22	141.81	5.48	141.55	8.03	139.00	NM	NM
MW-5	14	--	4-14	Shallow	145.34	145.46	11.43	134.03	4.60	140.86	4.35	141.11	6.31	139.15	6.97	138.49	8.37	137.09	NM	NM
MW-6	14	--	4-14	Shallow	143.45	143.22	5.96	137.26	2.20	141.02	2.98	140.24	4.14	139.08	4.93	138.29	6.02	137.20	NM	NM
MW-7	20	--	5-20	Shallow	149.25	149.03	14.73	134.30	12.88	136.15	12.71	136.32	13.19	135.84	13.12	135.91	14.33	134.70	NM	NM
MW-8	20	--	5-20	Shallow	145.95	145.66	13.02	132.64	10.06	135.60	10.22	135.44	10.62	135.04	10.58	135.08	11.34	134.32	NM	NM
MW-9	20	--	5-20	Shallow	144.11	143.89	9.78	134.11	4.54	139.35	5.07	138.82	5.14	138.75	5.60	138.29	6.04	137.85	NM	NM
MW-9D	49	24	44-49	Deeper Limestone	144.48	144.20	11.64	132.56	8.93	135.27	9.34	134.86	9.99	134.21	9.43	134.77	10.03	134.17	NM	NM
MW-10	18	--	3-18	Shallow	142.56	142.19	8.50	133.69	2.47	139.72	2.61	139.58	3.52	138.67	4.06	138.13	5.15	137.04	NM	NM
MW-10D	48	30	43-48	Deeper Limestone	142.08	141.79	9.40	132.39	6.75	135.04	7.17	134.62	7.27	134.52	7.27	134.52	7.84	133.95	NM	NM
MW-11	18	--	3-18	Shallow	143.77	143.16	8.96	134.20	6.40	136.76	6.45	136.71	6.64	136.52	6.95	136.21	7.24	135.92	NM	NM
MW-12D	50	30	40-50	Deeper Limestone	147.86	147.65	15.55	132.10	13.02	134.63	13.42	134.23	13.58	134.07	13.54	134.11	14.10	133.55	14.15	133.50
MW-13D	50	30	40-50	Deeper Limestone	146.41	146.23	14.29	131.94	11.75	134.48	12.18	134.05	12.32	133.91	12.25	133.98	12.97	133.26	12.92	133.31
MW-14	20	--	5-20	Shallow	147.05	146.90	13.02	133.88	10.54	136.36	10.69	136.21	11.18	135.72	11.22	135.68	12.46	134.44	NM	NM
MW-14D	50	29	40-50	Deeper Limestone	147.11	146.88	14.99	131.89	12.43	134.45	12.87	134.01	13.04	133.84	12.93	133.95	13.57	133.31	13.63	133.25
MW-15	18	--	4-19	Shallow	136.13	135.73	4.49	131.24	2.09	133.64	3.00	132.73	2.69	133.04	3.14	132.59	2.95	132.78	NM	NM
MW-15D	45	30	35-45	Deeper Limestone	135.93	135.59	3.79	131.80	1.80	133.79	2.07	133.52	2.20	133.39	2.19	133.40	2.60	132.99	NM	NM
MW-15D1	85	65	75-85	Deep Sandstone	135.94	135.69	3.91	131.78	1.91	133.78	2.18	133.51	2.32	133.37	2.30	133.39	2.70	132.99	NM	NM
MW-16	19	--	4-19	Shallow	138.74	138.30	6.68	131.62	2.35	135.95	3.38	134.92	2.73	135.57	3.80	134.50	3.01	135.29	NM	NM
MW-16D	45	29	35-45	Deeper Limestone	138.70	138.38	6.76	131.62	4.54	133.84	4.95	133.43	5.08	133.30	5.04	133.34	5.51	132.87	5.54	132.84
MW-17	28.4	--	13-28	Shallow	142.07	141.66	6.93	134.73	1.91	139.75	2.65	139.01	2.79	138.87	2.96	138.70	3.06	138.60	NM	NM
MW-18	26.4	--	11-26	Shallow	145.68	145.41	12.48	132.93	9.23	136.18	9.75	135.66	9.86	135.55	9.96	135.45	10.57	134.84	NM	NM
MW-19	20.15	--	5-20	Shallow	148.47	148.22	14.42	133.80	10.90	137.32	10.02	138.20	11.42	136.80	11.30	136.92	12.98	135.24	NM	NM
MW-20	15.15	--	5-15	Shallow	148.50	148.19	14.30	133.89	10.55	137.64	9.59	138.60	11.25	136.94	10.57	137.62	12.81	135.38	NM	NM
MW-21	34.4	--	19-34	Shallow	148.43	147.97	14.59	133.38	11.23	136.74	11.38	136.59	12.68	135.29	12.48	135.49	13.45	134.52	NM	NM
MW-21D	53.4	31.5	43-53	Deeper Limestone	147.28	146.92	14.84	132.08	12.25	134.67	12.67	134.25	12.83	134.09	12.75	134.17	13.39	133.53	13.44	133.48
MW-22D	48.4	36	38-48	Deeper Limestone	146.42	145.96	14.19	131.77	11.68	134.28	12.11	133.85	12.27	133.69	12.18	133.78	12.81	133.15	12.87	133.09
MW-23D	50.4	34	40-50	Deeper Limestone	148.48	148.26	16.18	132.08	13.48	134.78	13.95	134.31	14.09	134.17	13.98	134.28	14.65	133.61	14.71	133.55
MW-24	21	--	6-21	Shallow	148.52	147.85	NI	NI	NI	NI	NI	NI	13.39	134.46	13.42	134.43	14.10	133.75	NM	NM
MW-25D	62	--	52-62	Deeper Limestone	139.30	139.21	NI	NI	NI	NI	NI	NI	5.66	133.55	5.58	133.63	6.16	133.05	6.21	133.00
MW-26D	48	--	38-48	Deeper Limestone	143.83	143.64	NI	NI	NI	NI	NI	NI	10.32	133.32	10.20	133.44	10.81	132.83	10.87	132.77
MW-27	29	--	19 - 29	Shallow	145.93	145.78	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	9.91	135.87	NM	NM
MW-28	29	--	19 - 29	Shallow	146.35	146.12	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	12.60	133.52	NM	NM
MW-29	29	--	19 - 29	Shallow	141.03	140.55	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	7.17	133.38	NM	NM
MW-30D	60	--	50 - 60	Deeper Limestone	135.90	136.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	5.35	130.66
MW-31D	60	--	50 - 60	Deeper Limestone	141.39	141.39	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	9.42	131.97
MW-32D	60	--	50 - 60	Deeper Limestone	139.14	138.92	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	7.49	131.43
MW-32DR	60	--	50 - 60	Deeper Limestone	139.20	138.88	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-33D	74.39	--	64.09 - 74.02	Deeper Limestone	142.14	144.79	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-34D	79.78	--	69.44 - 79.40	Deeper Limestone	142.70	145.71	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-35D	74.56	--	64.25 - 74.18	Deeper Limestone	139.26	141.95	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-36D	64.29	--	53.99 - 63.92	Deeper Limestone	128.57	130.93	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-37	22.07	--	11.81 - 21.81	Shallow	148.64	148.36	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI

Table 1
Groundwater Levels and Elevations
Delavan Spray Technologies Site
Bamberg, South Carolina

Well Number	Total Depth (ft bgs)	Surface Casing Depth (ft bgs)	Screen Interval (ft bgs)	Aquifer Designation	Ground Surface Elevation (ft msl)	Top of Casing Elevation (ft msl)	10/16/2017		5/7/2018		10/29/2018		4/22/2019		10/14/2019		4/14/2020		10/19/2020	
							Depth to Water (ft brc)	Elevation (ft msl)	Depth to Water (ft brc)	Elevation (ft msl)	Depth to Water (ft brc)	Elevation (ft msl)	Depth to Water (ft brc)	Elevation (ft msl)	Depth to Water (ft brc)	Elevation (ft msl)	Depth to Water (ft brc)	Elevation (ft msl)	Depth to Water (ft brc)	Elevation (ft msl)
MW-1	18	--	3-18	Shallow	147.56	147.19	13.51	133.68	12.42	134.77	12.62	134.57	11.71	135.48	13.65	133.54	11.09	136.10	12.27	134.92
MW-2	18	--	3-18	Shallow	147.81	147.63	13.82	133.81	12.42	135.21	12.39	135.24	11.15	136.48	14.07	133.56	9.69	137.94	12.20	135.43
MW-3	18	--	3-18	Shallow	148.34	148.11	14.12	133.99	13.86	134.25	14.02	134.09	13.24	134.87	14.35	133.76	12.98	135.13	13.89	134.22
MW-3D	49	24	44-49	Deeper Limestone	148.28	148.12	16.16	131.96	14.93	133.19	15.25	132.87	13.91	134.21	16.05	132.07	13.65	134.47	14.59	133.53
MW-3D1	85	65	75-85	Deep Sandstone	148.12	147.93	15.98	131.95	14.74	133.19	15.05	132.88	13.71	134.22	15.90	132.03	13.44	134.49	14.40	133.53
MW-4	14	--	4-14	Shallow	147.30	147.03	11.49	135.54	8.57	138.46	9.53	137.50	7.07	139.96	13.15	133.88	5.98	141.05	9.89	137.14
MW-5	14	--	4-14	Shallow	145.34	145.46	12.10	133.36	8.90	136.56	10.32	135.14	7.55	137.91	12.94	132.52	6.37	139.09	10.45	135.01
MW-6	14	--	4-14	Shallow	143.45	143.22	10.02	133.20	6.69	136.53	7.89	135.33	5.03	138.19	11.10	132.12	3.78	139.44	7.97	135.25
MW-7	20	--	5-20	Shallow	149.25	149.03	14.57	134.46	14.07	134.96	14.34	134.69	13.29	135.74	14.98	134.05	13.07	135.96	14.02	135.01
MW-8	20	--	5-20	Shallow	145.95	145.66	13.16	132.50	11.68	133.98	12.05	133.61	10.81	134.85	13.19	132.47	10.31	135.35	11.50	134.16
MW-9	20	--	5-20	Shallow	144.11	143.89	10.11	133.78	6.89	137.00	7.33	136.56	5.32	138.57	6.91	136.98	5.13	138.76	7.77	136.12
MW-9D	49	24	44-49	Deeper Limestone	144.48	144.20	11.73	132.47	10.41	133.79	10.77	133.43	9.39	134.81	11.70	132.50	9.11	135.09	10.13	134.07
MW-10	18	--	3-18	Shallow	142.56	142.19	9.33	132.86	5.98	136.21	7.34	134.85	7.46	134.73	10.00	132.19	3.83	138.36	7.40	134.79
MW-10D	48	30	43-48	Deeper Limestone	142.08	141.79	9.50	132.29	8.22	133.57	8.52	133.27	7.21	134.58	9.50	132.29	6.94	134.85	7.96	133.83
MW-11	18	--	3-18	Shallow	143.77	143.16	9.63	133.53	7.79	135.37	8.39	134.77	7.13	136.03	10.60	132.56	5.95	137.21	8.18	134.98
MW-12D	50	30	40-50	Deeper Limestone	147.86	147.65	15.65	132.00	14.45	133.20	14.72	132.93	13.47	134.18	15.60	132.05	13.25	134.40	14.14	133.51
MW-13D	50	30	40-50	Deeper Limestone	146.41	146.23	14.38	131.85	13.20	133.03	13.48	132.75	12.20	134.03	14.29	131.94	11.92	134.31	12.85	133.38
MW-14	20	--	5-20	Shallow	147.05	146.90	13.24	133.66	12.44	134.46	12.47	134.43	11.27	135.63	13.33	133.57	10.88	136.02	12.15	134.75
MW-14D	50	29	40-50	Deeper Limestone	147.11	146.88	15.08	131.80	13.87	133.01	14.18	132.70	12.86	134.02	14.91	131.97	12.60	134.28	13.48	133.40
MW-15	18	--	4-19	Shallow	136.13	135.73	5.25	130.48	3.74	131.99	3.60	132.13	3.12	132.61	6.71	129.02	2.88	132.85	4.13	131.60
MW-15D	45	30	35-45	Deeper Limestone	135.93	135.59	3.85	131.74	2.95	132.64	3.02	132.57	2.10	133.49	3.80	131.79	1.80	133.79	2.53	133.06
MW-15D1	85	65	75-85	Deep Sandstone	135.94	135.69	3.96	131.73	3.06	132.63	3.14	132.55	2.23	133.46	3.93	131.76	1.93	133.76	2.68	133.01
MW-16	19	--	4-19	Shallow	138.74	138.30	7.02	131.28	4.14	134.16	4.45	133.85	3.11	135.19	7.68	130.62	2.54	135.76	5.15	133.15
MW-16D	45	29	35-45	Deeper Limestone	138.70	138.38	6.83	131.55	5.84	132.54	5.98	132.40	4.98	133.40	6.74	131.64	4.67	133.71	5.45	132.93
MW-17	28.4	--	13-28	Shallow	142.07	141.66	7.75	133.91	4.11	137.55	5.18	136.48	3.14	138.52	8.96	132.70	2.81	138.85	5.40	136.26
MW-18	26.4	--	11-26	Shallow	145.68	145.41	12.65	132.76	10.87	134.54	11.45	133.96	9.86	135.55	12.70	132.71	9.68	135.73	10.95	134.46
MW-19	20.15	--	5-20	Shallow	148.47	148.22	14.62	133.60	13.02	135.20	13.43	134.79	11.95	136.27	14.83	133.39	NM	NM	13.21	135.01
MW-20	15.15	--	5-15	Shallow	148.50	148.19	14.50	133.69	12.87	135.32	13.15	135.04	11.90	136.29	14.72	133.47	NM	NM	12.96	135.23
MW-21	34.4	--	19-34	Shallow	148.43	147.97	15.12	132.85	13.68	134.29	14.02	133.95	12.54	135.43	15.58	132.39	11.46	136.51	13.34	134.63
MW-21D	53.4	31.5	43-53	Deeper Limestone	147.28	146.92	14.93	131.99	13.71	133.21	14.02	132.90	12.70	134.22	14.82	132.10	12.42	134.50	13.35	133.57
MW-22D	48.4	36	38-48	Deeper Limestone	146.42	145.96	14.29	131.67	13.10	132.86	13.38	132.58	12.09	133.87	14.12	131.84	11.83	134.13	12.70	133.26
MW-23D	50.4	34	40-50	Deeper Limestone	148.48	148.26	16.28	131.98	14.96	133.30	15.33	132.93	13.90	134.36	16.18	132.08	13.70	134.56	14.63	133.63
MW-24	21	--	6-21	Shallow	148.52	147.85	15.69	132.16	14.46	133.39	14.74	133.11	13.45	134.40	16.08	131.77	12.96	134.89	14.14	133.71
MW-25D	62	--	52-62	Deeper Limestone	139.30	139.21	7.59	131.62	6.47	132.74	6.72	132.49	5.49	133.72	7.43	131.78	5.24	133.97	6.08	133.13
MW-26D	48	--	38-48	Deeper Limestone	143.83	143.64	12.19	131.45	11.06	132.58	11.33	132.31	10.12	133.52	11.95	131.69	9.86	133.78	10.63	133.01
MW-27	29	--	19 - 29	Shallow	145.93	145.78	12.44	133.34	9.44	136.34	10.48	135.30	8.47	137.31	13.63	132.15	6.84	138.94	10.64	135.14
MW-28	29	--	19 - 29	Shallow	146.35	146.12	14.13	131.99	12.95	133.17	13.22	132.90	11.98	134.14	14.10	132.02	11.45	134.67	12.65	133.47
MW-29	29	--	19 - 29	Shallow	141.03	140.55	8.60	131.95	7.52	133.03	7.72	132.83	6.57	133.98	8.58	131.97	6.15	134.40	7.16	133.39
MW-30D	60	--	50 - 60	Deeper Limestone	135.90	136.01	5.92	130.09	5.57	130.44	5.43	130.58	5.04	130.97	5.69	130.32	4.72	131.29	5.00	131.01
MW-31D	60	--	50 - 60	Deeper Limestone	141.39	141.39	10.32	131.07	9.67	131.72	9.68	131.71	8.92	132.47	10.12	131.27	8.61	132.78	9.16	132.23
MW-32D	60	--	50 - 60	Deeper Limestone	139.14	138.92	Abandoned		Abandoned		Abandoned		Abandoned		Abandoned		Abandoned		Abandoned	
MW-32DR	60	--	50 - 60	Deeper Limestone	139.20	138.88	8.42	130.46	7.54	131.34	7.68	131.20	6.75	132.13	8.56	130.32	6.49	132.39	7.04	131.84
MW-33D	74.39	--	64.09 - 74.02	Deeper Limestone	142.14	144.79	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	12.77	132.02	13.06	131.73
MW-34D	79.78	--	69.44 - 79.40	Deeper Limestone	142.70	145.71	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	13.68	132.03	13.95	131.76
MW-35D	74.56	--	64.25 - 74.18	Deeper Limestone	139.26	141.95	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	11.68	130.27	11.81	130.14
MW-36D	64.29	--	53.99 - 63.92	Deeper Limestone	128.57	130.93	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	2.15	128.78	2.45	128.48
MW-37	22.07	--	11.81 - 21.81	Shallow	148.64	148.36	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	12.94	135.42

Table 1
Groundwater Levels and Elevations
Delavan Spray Technologies Site
Bamberg, South Carolina

Well Number	Total Depth (ft bgs)	Surface Casing Depth (ft bgs)	Screen Interval (ft bgs)	Aquifer Designation	Ground Surface Elevation (ft msl)	Top of Casing Elevation (ft msl)	4/12/2021	
							Depth to Water (ft btoc)	Elevation (ft msl)
MW-1	18	--	3-18	Shallow	147.56	147.19	11.57	135.62
MW-2	18	--	3-18	Shallow	147.81	147.63	10.61	137.02
MW-3	18	--	3-18	Shallow	148.34	148.11	13.22	134.89
MW-3D	49	24	44-49	Deeper Limestone	148.28	148.12	13.90	134.22
MW-3D1	85	65	75-85	Deep Sandstone	148.12	147.93	13.69	134.24
MW-4	14	--	4-14	Shallow	147.30	147.03	6.99	140.04
MW-5	14	--	4-14	Shallow	145.34	145.46	7.73	137.73
MW-6	14	--	4-14	Shallow	143.45	143.22	5.16	138.06
MW-7	20	--	5-20	Shallow	149.25	149.03	13.37	135.66
MW-8	20	--	5-20	Shallow	145.95	145.66	10.60	135.06
MW-9	20	--	5-20	Shallow	144.11	143.89	5.58	138.31
MW-9D	49	24	44-49	Deeper Limestone	144.48	144.20	9.37	134.83
MW-10	18	--	3-18	Shallow	142.56	142.19	4.55	137.64
MW-10D	48	30	43-48	Deeper Limestone	142.08	141.79	7.21	134.58
MW-11	18	--	3-18	Shallow	143.77	143.16	7.12	136.04
MW-12D	50	30	40-50	Deeper Limestone	147.86	147.65	13.44	134.21
MW-13D	50	30	40-50	Deeper Limestone	146.41	146.23	12.21	134.02
MW-14	20	--	5-20	Shallow	147.05	146.90	11.20	135.70
MW-14D	50	29	40-50	Deeper Limestone	147.11	146.88	12.87	134.01
MW-15	18	--	4-19	Shallow	136.13	135.73	3.37	132.36
MW-15D	45	30	35-45	Deeper Limestone	135.93	135.59	2.06	133.53
MW-15D1	85	65	75-85	Deep Sandstone	135.94	135.69	2.20	133.49
MW-16	19	--	4-19	Shallow	138.74	138.30	3.25	135.05
MW-16D	45	29	35-45	Deeper Limestone	138.70	138.38	4.94	133.44
MW-17	28.4	--	13-28	Shallow	142.07	141.66	3.18	138.48
MW-18	26.4	--	11-26	Shallow	145.68	145.41	10.00	135.41
MW-19	20.15	--	5-20	Shallow	148.47	148.22	11.80	136.42
MW-20	15.15	--	5-15	Shallow	148.50	148.19	11.50	136.69
MW-21	34.4	--	19-34	Shallow	148.43	147.97	12.13	135.84
MW-21D	53.4	31.5	43-53	Deeper Limestone	147.28	146.92	12.69	134.23
MW-22D	48.4	36	38-48	Deeper Limestone	146.42	145.96	12.11	133.85
MW-23D	50.4	34	40-50	Deeper Limestone	148.48	148.26	13.93	134.33
MW-24	21	--	6-21	Shallow	148.52	147.85	13.38	134.47
MW-25D	62	--	52-62	Deeper Limestone	139.30	139.21	5.50	133.71
MW-26D	48	--	38-48	Deeper Limestone	143.83	143.64	10.16	133.48
MW-27	29	--	19 - 29	Shallow	145.93	145.78	7.78	138.00
MW-28	29	--	19 - 29	Shallow	146.35	146.12	12.52	133.60
MW-29	29	--	19 - 29	Shallow	141.03	140.55	6.73	133.82
MW-30D	60	--	50 - 60	Deeper Limestone	135.90	136.01	5.90	130.11
MW-31D	60	--	50 - 60	Deeper Limestone	141.39	141.39	8.93	132.46
MW-32D	60	--	50 - 60	Deeper Limestone	139.14	138.92	Abandoned	
MW-32DR	60	--	50 - 60	Deeper Limestone	139.20	138.88	6.76	132.12
MW-33D	74.39	--	64.09 - 74.02	Deeper Limestone	142.14	144.79	13.00	131.79
MW-34D	79.78	--	69.44 - 79.40	Deeper Limestone	142.70	145.71	13.83	131.88
MW-35D	74.56	--	64.25 - 74.18	Deeper Limestone	139.26	141.95	11.85	130.10
MW-36D	64.29	--	53.99 - 63.92	Deeper Limestone	128.57	130.93	2.46	128.47
MW-37	22.07	--	11.81 - 21.81	Shallow	148.64	148.36	11.49	136.87

Notes:

bgs - below ground surface

btoc - below top of casing

ft msl - feet above mean sea level

H&H - Hart & Hickman;

NI - Not installed on the date of the measurement.

NM - No measurement collected.

1. Depth to water measured in feet btoc.

2. Top of casing and ground surface elevations for most wells surveyed by Edisto Engineers and Surveyors, Inc. on May 23, 2011 and March 20, 2014. MW-15D1 TOC elevation tied into existing site wells by H&H on April 30, 2012. Monitoring wells MW-24, MW-25D, and MW-26D were surveyed by AECOM on January 26, 2016. Monitoring wells MW-27 through MW-29 and MW-30D through MW-32DR were surveyed by AECOM on May 10, 2017. Monitoring wells MW-33D through MW-36D were surveyed by AECOM on December 5, 2019. MW-37 was surveyed by AECOM on August 17, 2020.

3. Vertical positions are referenced to the North American Vertical Datum of 1988 (NAVD88).

4. Information for historic monitoring wells from Table 1 of the RI Workplan (H&H, 2013).

Table 2
Vertical Gradients
Delavan Spray Technologies Site
Bamberg, South Carolina

Wells and Aquifer Designations	MW-3 (Shallow) to MW-3D (Deeper Limestone)	MW-3D (Deeper Limestone) to MW-3D1 (Deep Sandstone)	MW-9 (Shallow) to MW-9D (Deeper Limestone)	MW-10 (Shallow) to MW-10D (Deeper Limestone)	MW-14 (Shallow) to MW-14D (Deeper Limestone)	MW-15 (Shallow) to MW-15D (Deeper Limestone)	MW-15D (Deeper Limestone) to MW-15D1 (Deep Sandstone)	MW-16 (Shallow) to MW-16D (Deeper Limestone)	MW-21 (Shallow) to MW-21D (Deeper Limestone)
1/8/2008	6.86E-02	NI	9.82E-02	1.20E-01	NI	NI	NI	NI	NI
11/4/2009	4.03E-02	0.00E+00	3.06E-02	3.83E-02	3.66E-02	NI	NI	NI	NI
4/29/2010	3.36E-02	5.97E-04	1.02E-01	7.54E-02	4.12E-02	NI	NI	NI	NI
10/25/2010	7.83E-02	3.58E-03	3.03E-02	4.09E-02	7.29E-02	NI	NI	NI	NI
12/15/2010	4.19E-02	5.97E-04	3.53E-03	1.43E-02	4.95E-02	NI	NI	NI	NI
5/23/2011	7.58E-02	-2.99E-04	8.09E-02	6.97E-02	7.17E-02	-2.63E-02	NI	3.54E-02	NI
11/8/2011	4.97E-02	8.96E-04	6.18E-03	2.06E-02	5.75E-02	-4.60E-02	NI	2.46E-03	NI
5/8/2012	6.33E-02	5.97E-04	1.54E-01	1.17E-01	6.58E-02	1.82E-02	0.00E+00	6.00E-02	NI
3/20/2014	4.39E-02	-8.96E-04	1.17E-01	1.36E-01	6.89E-02	1.23E-02	5.00E-04	7.61E-02	9.95E-02
10/27/2014	5.28E-02	2.99E-04	4.56E-02	3.71E-02	6.12E-02	-1.96E-02	5.00E-04	0.00E+00	6.05E-02
4/20/2015	2.36E-02	-1.19E-03	1.20E-01	1.34E-01	5.88E-02	-5.26E-03	2.50E-04	7.40E-02	9.63E-02
10/26/2015	3.19E-02	-2.99E-04	1.16E-01	1.42E-01	6.77E-02	-2.77E-02	2.50E-04	5.23E-02	1.09E-01
4/11/2016	2.33E-02	-5.97E-04	1.34E-01	1.19E-01	5.78E-02	-1.23E-02	5.00E-04	7.96E-02	5.58E-02
10/24/2016	2.42E-02	-5.97E-04	1.04E-01	1.03E-01	5.32E-02	-2.84E-02	2.50E-04	4.07E-02	6.14E-02
4/12/2017	1.83E-02	-5.97E-04	1.08E-01	8.83E-02	3.48E-02	-7.37E-03	0.00E+00	8.49E-02	4.60E-02
10/16/2017	5.64E-02	2.99E-04	3.85E-02	1.63E-02	5.72E-02	-4.42E-02	2.50E-04	-9.47E-03	4.00E-02
5/7/2018	2.94E-02	0.00E+00	9.44E-02	7.54E-02	4.46E-02	-2.28E-02	2.50E-04	5.68E-02	5.02E-02
10/29/2018	3.39E-02	-2.99E-04	9.21E-02	4.51E-02	5.32E-02	-1.54E-02	5.00E-04	5.09E-02	4.88E-02
4/22/2019	1.83E-02	-2.99E-04	1.11E-01	4.29E-03	4.95E-02	-3.09E-02	7.50E-04	6.28E-02	5.63E-02
10/14/2019	4.69E-02	1.19E-03	1.32E-01	-2.86E-03	4.92E-02	-9.72E-02	7.50E-04	-3.58E-02	1.35E-02
4/14/2020	1.83E-02	-5.97E-04	1.08E-01	1.00E-01	5.35E-02	-3.30E-02	7.50E-04	7.19E-02	9.35E-02
10/19/2020	1.92E-02	0.00E+00	6.03E-02	2.74E-02	4.15E-02	-5.12E-02	1.25E-03	7.72E-03	4.93E-02
4/12/2021	1.86E-02	-5.97E-04	1.02E-01	8.74E-02	5.20E-02	-4.11E-02	1.00E-03	5.65E-02	7.49E-02

Notes:

1. Gradients are positive in the downward direction and negative in the upward direction.
2. Gradient units are feet per foot (ft/ft)

Table 3
Groundwater Quality Indicator Parameters
Delavan Spray Technologies Site
Bamberg, South Carolina

Well	pH (S.U.)	Conductivity (mS/cm)	Temperature (°C)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)
MW-1	5.01	0.032	22.4	49.95	5.50	290.8
MW-2	5.69	0.031	19.3	3.57	2.92	322.40
MW-3	4.67	0.023	21.6	6.65	4.62	171.1
MW-3D	7.57	0.265	22.5	12.89	2.03	29.8
MW-8	4.60	0.064	21.4	4.56	2.84	146.1
MW-9	4.42	0.034	17.1	14.54	1.60	183.5
MW-10	4.56	0.027	15.2	7.58	0.88	166.0
MW-10D	7.65	0.251	17.2	7.14	2.99	81.7
MW-12D	9.61	0.231	18.9	7.42	0.11	-10.8
MW-13D	7.81	0.255	20.0	3.93	3.19	7.3
MW-19	4.23	0.079	21.9	10.29	1.46	178.5
MW-20	4.41	0.038	21.3	4.82	5.09	201.0
MW-21	4.70	0.019	19.8	5.17	0.15	174.5
MW-21D	7.85	0.232	19.9	3.51	1.75	-80.6
MW-22D	7.65	0.264	20.4	0.00	3.06	151.7
MW-24	5.13	0.024	19.8	9.85	6.26	329.3
MW-25D	7.64	0.267	20.4	1.22	5.17	135.0
MW-26D	7.41	0.267	22.4	1.78	1.95	125.3
MW-30D	7.71	0.266	20.6	2.23	2.07	141.7
MW-31D	7.71	0.252	21.3	1.00	3.23	122.0
MW-32DR	7.35	0.205	20.5	0.00	0.25	114.4
MW-33D	7.84	0.219	21.7	6.13	2.80	153.7
MW-34D	10.30	0.376	16.9	4.16	6.22	32.1
MW-35D	7.82	0.233	18.0	6.29	3.58	143.7
MW-36D	7.39	0.326	19.5	5.05	0.10	-148.8
MW-37	4.35	0.068	20.8	9.45	4.18	206.1
SW-01-LC	6.52	0.176	17.6	15.59	4.59	139.1
SW-02-LC	6.76	0.146	17.1	10.93	1.70	63.2
SW-03-HMB	6.99	0.140	17.5	34.10	7.40	74.2
SW-04-TLC	6.14	0.088	16.6	37.72	5.83	105.5

Notes:

°C - degrees Celsius

mS/cm - milliSiemens per centimeter

ORP - oxidation-reduction potential

S.U. - standard units

mg/L - milligrams per liter

mV - millivolts

NTUs - Nephelometric Turbidity Units

Table 4
Summary of Analytical Results in Groundwater
Delavan Spray Technologies Site
Bamberg, South Carolina

Sample ID Lab Sample ID Date Collected	USEPA MCL	MW-1 FA84711-4 4/13/2021	MW-2 FA84711-7 4/14/2021	MW-3 FA84747-25 4/13/2021	MW-3D FA84747-22 4/13/2021	MW-8 FA84747-16 4/13/2021
Volatile Organic Compounds by Method 8260B (µg/L)						
1,1,1-Trichloroethane	200	< 0.5	< 0.25	< 0.5	< 1.2	< 1.2
1,1,2,2-Tetrachloroethane	—	< 0.6	< 0.3	< 0.6	< 1.5	< 1.5
1,1,2-Trichloroethane	5	< 0.93	< 0.47	< 0.93	< 2.3	< 2.3
1,1-Dichloroethane	—	< 0.68	< 0.34	< 0.68	< 1.7	< 1.7
1,1-Dichloroethylene	7	< 0.64	< 0.32	< 0.64	3.7 J//	< 1.6
1,2-Dichloroethane	5	< 0.62	< 0.31	< 0.62	< 1.6	< 1.6
1,2-Dichloropropane	5	< 0.85	< 0.43	< 0.85	< 2.1	< 2.1
2-Butanone (MEK)	—	< 4	< 2	< 4	< 10	< 10
2-Hexanone	—	< 4	< 2	< 4	< 10	< 10
4-Methyl-2-pentanone (MIBK)	—	< 2	< 1	< 2	< 5	< 5
Acetone	—	< 20	< 10	< 20	< 50	< 50
Benzene	5	< 0.62	< 0.31	< 0.62	< 1.6	< 1.6
Bromodichloromethane	80 ¹	< 0.48	< 0.24	< 0.48	< 1.2	< 1.2
Bromoform	80 ¹	< 0.81	< 0.41	< 0.81	< 2	< 2
Carbon Disulfide	—	< 1.1	< 0.53	< 1.1	< 2.7	< 2.7
Carbon Tetrachloride	5	< 0.71	< 0.36	< 0.71	< 1.8	< 1.8
Chlorobenzene	100	< 0.4	< 0.2	< 0.4	< 1	< 1
Chloroethane	—	< 1.3	< 0.67	< 1.3	< 3.3	< 3.3
Chloroform	80 ¹	< 0.6	< 0.3	< 0.6	< 1.5	< 1.5
cis-1,2-Dichloroethylene	70	0.94 J//	< 0.28	2.8	7.5	5.6
cis-1,3-Dichloropropene	—	< 0.58	< 0.29	< 0.58	< 1.5	< 1.5
Dibromochloromethane	80 ¹	< 0.55	< 0.28	< 0.55	< 1.4	< 1.4
Ethylbenzene	700	< 0.71	< 0.36	< 0.71	< 1.8	< 1.8
Methyl Bromide	—	< 4	< 2	< 4	< 10	< 10
Methyl Chloride	—	< 1	< 0.5	< 1	< 2.5	< 2.5
Methylene Chloride	5	< 4	< 2	< 4	< 10	< 10
Styrene	100	< 0.44	< 0.22	< 0.44	< 1.1	< 1.1
Tetrachloroethylene	5	46.1	0.71 J//	137	179	224
Toluene	1000	< 0.6	< 0.3	< 0.6	< 1.5	< 1.5
trans-1,2-Dichloroethylene	100	< 0.44	< 0.22	< 0.44	< 1.1	< 1.1
trans-1,3-Dichloropropene	—	< 0.43	< 0.21	< 0.43	< 1.1	< 1.1
Trichloroethylene	5	0.85 J//	< 0.35	2.5	7.4	32.2
Vinyl Chloride	2	< 0.82	< 0.41	< 0.82	< 2	< 2
Xylene (total)	10000	< 1.4	< 0.72	< 1.4	< 3.6	< 3.6

Table 4
Summary of Analytical Results in Groundwater
Delavan Spray Technologies Site
Bamberg, South Carolina

Sample ID Lab Sample ID Date Collected	USEPA MCL	MW-9 FA84747-13 4/13/2021	MW-10 FA84747-10 4/13/2021	MW-10D FA84747-11 4/13/2021	MW-12D FA84747-20 4/13/2021	MW-13D FA84711-5 4/13/2021
Volatile Organic Compounds by Method 8260B (µg/L)						
1,1,1-Trichloroethane	200	< 1.2	< 2.5	< 0.25	< 0.25	< 0.5
1,1,2,2-Tetrachloroethane	—	< 1.5	< 3	< 0.3	< 0.3	< 0.6
1,1,2-Trichloroethane	5	< 2.3	< 4.7	< 0.47	< 0.47	< 0.93
1,1-Dichloroethane	—	< 1.7	< 3.4	< 0.34	< 0.34	< 0.68
1,1-Dichloroethylene	7	< 1.6	5.7 J//	< 0.32	1.7	1.9 J//
1,2-Dichloroethane	5	< 1.6	< 3.1	< 0.31	< 0.31	< 0.62
1,2-Dichloropropane	5	< 2.1	< 4.3	< 0.43	< 0.43	< 0.85
2-Butanone (MEK)	—	< 10	< 20	< 2	< 2	< 4
2-Hexanone	—	< 10	< 20	< 2	< 2	< 4
4-Methyl-2-pentanone (MIBK)	—	< 5	< 10	< 1	< 1	< 2
Acetone	—	< 50	< 100	< 10	< 10	< 20
Benzene	5	< 1.6	< 3.1	< 0.31	< 0.31	< 0.62
Bromodichloromethane	80 ¹	< 1.2	< 2.4	< 0.24	< 0.24	< 0.48
Bromoform	80 ¹	< 2	< 4.1	< 0.41	< 0.41	< 0.81
Carbon Disulfide	—	< 2.7	< 5.3	< 0.53	< 0.53	< 1.1
Carbon Tetrachloride	5	< 1.8	< 3.6	< 0.36	< 0.36	< 0.71
Chlorobenzene	100	< 1	< 2	< 0.2	< 0.2	< 0.4
Chloroethane	—	< 3.3	< 6.7	< 0.67	< 0.67	< 1.3
Chloroform	80 ¹	< 1.5	< 3	< 0.3	< 0.3	< 0.6
cis-1,2-Dichloroethylene	70	14.4	105	< 0.28	< 0.28	< 0.55
cis-1,3-Dichloropropene	—	< 1.5	< 2.9	< 0.29	< 0.29	< 0.58
Dibromochloromethane	80 ¹	< 1.4	< 2.8	< 0.28	< 0.28	< 0.55
Ethylbenzene	700	< 1.8	< 3.6	< 0.36	< 0.36	< 0.71
Methyl Bromide	—	< 10	< 20	< 2	< 2	< 4
Methyl Chloride	—	< 2.5	< 5	< 0.5	< 0.5	< 1
Methylene Chloride	5	< 10	< 20	< 2	< 2	< 4
Styrene	100	< 1.1	< 2.2	< 0.22	< 0.22	< 0.44
Tetrachloroethylene	5	156	66.8	0.4 J//	98.6	116
Toluene	1000	< 1.5	< 3	< 0.3	< 0.3	< 0.6
trans-1,2-Dichloroethylene	100	< 1.1	< 2.2	< 0.22	< 0.22	< 0.44
trans-1,3-Dichloropropene	—	< 1.1	< 2.1	< 0.21	< 0.21	< 0.43
Trichloroethylene	5	45.6	25.2	< 0.35	< 0.35	< 0.69
Vinyl Chloride	2	< 2	< 4.1	< 0.41	< 0.41	< 0.82
Xylene (total)	10000	< 3.6	< 7.2	< 0.72	< 0.72	< 1.4

Table 4
Summary of Analytical Results in Groundwater
Delavan Spray Technologies Site
Bamberg, South Carolina

Sample ID Lab Sample ID Date Collected	USEPA MCL	MW-14D FA84747-23 4/13/2021	MW-19 FA84747-6 4/12/2021	MW-20 FA84747-8 4/12/2021	MW-21 FA84711-8 4/14/2021	MW-21D FA84711-6 4/14/2021
Volatile Organic Compounds by Method 8260B (µg/L)						
1,1,1-Trichloroethane	200	< 0.25	< 120	< 1.2	< 50	< 0.25
1,1,2,2-Tetrachloroethane	—	< 0.3	< 150	< 1.5	< 60	< 0.3
1,1,2-Trichloroethane	5	< 0.47	< 230	< 2.3	< 93	< 0.47
1,1-Dichloroethane	—	< 0.34	< 170	< 1.7	< 68	< 0.34
1,1-Dichloroethylene	7	1.1	< 160	< 1.6	< 64	0.9 J//
1,2-Dichloroethane	5	< 0.31	< 160	< 1.6	< 62	< 0.31
1,2-Dichloropropane	5	< 0.43	< 210	< 2.1	< 85	< 0.43
2-Butanone (MEK)	—	< 2	< 1000	< 10	< 400	< 2
2-Hexanone	—	< 2	< 1000	< 10	< 400	< 2
4-Methyl-2-pentanone (MIBK)	—	< 1	< 500	< 5	< 200	< 1
Acetone	—	< 10	< 5000	< 50	< 2000	< 10
Benzene	5	< 0.31	< 160	< 1.6	< 62	< 0.31
Bromodichloromethane	80 ¹	< 0.24	< 120	< 1.2	< 48	< 0.24
Bromoform	80 ¹	< 0.41	< 200	< 2	< 81	< 0.41
Carbon Disulfide	—	< 0.53	< 270	< 2.7	< 110	< 0.53
Carbon Tetrachloride	5	< 0.36	< 180	< 1.8	< 71	< 0.36
Chlorobenzene	100	< 0.2	< 100	< 1	< 40	< 0.2
Chloroethane	—	< 0.67	< 330	< 3.3	< 130	< 0.67
Chloroform	80 ¹	< 0.3	< 150	< 1.5	< 60	< 0.3
cis-1,2-Dichloroethylene	70	0.62 J//	< 140	< 1.4	359	< 0.28
cis-1,3-Dichloropropene	—	< 0.29	< 150	< 1.5	< 58	< 0.29
Dibromochloromethane	80 ¹	< 0.28	< 140	< 1.4	< 55	< 0.28
Ethylbenzene	700	< 0.36	< 180	< 1.8	< 71	< 0.36
Methyl Bromide	—	< 2	< 1000	< 10	< 400	< 2
Methyl Chloride	—	< 0.5	< 250	< 2.5	< 100	< 0.5
Methylene Chloride	5	< 2	< 1000	< 10	< 400	< 2
Styrene	100	< 0.22	< 110	< 1.1	< 44	< 0.22
Tetrachloroethylene	5	54.8	53900	222	13600	27.5
Toluene	1000	< 0.3	< 150	< 1.5	< 60	< 0.3
trans-1,2-Dichloroethylene	100	< 0.22	< 110	< 1.1	< 44	< 0.22
trans-1,3-Dichloropropene	—	< 0.21	< 110	< 1.1	< 43	< 0.21
Trichloroethylene	5	0.55 J//	< 170	3.1 J//	199 J//	< 0.35
Vinyl Chloride	2	< 0.41	< 200	< 2	< 82	< 0.41
Xylene (total)	10000	< 0.72	< 360	< 3.6	< 140	< 0.72

Table 4
Summary of Analytical Results in Groundwater
Delavan Spray Technologies Site
Bamberg, South Carolina

Sample ID Lab Sample ID Date Collected	USEPA MCL	MW-22D FA84747-14 4/13/2021	MW-24 FA84711-2 4/13/2021	MW-25D FA84747-17 4/13/2021	MW-26D FA84747-21 4/13/2021	MW-30D FA84747-5 4/12/2021
Volatile Organic Compounds by Method 8260B (µg/L)						
1,1,1-Trichloroethane	200	< 0.25	< 6.2	< 0.5	< 0.25	< 0.25
1,1,2,2-Tetrachloroethane	—	< 0.3	< 7.5	< 0.6	< 0.3	< 0.3
1,1,2-Trichloroethane	5	< 0.47	< 12	< 0.93	< 0.47	< 0.47
1,1-Dichloroethane	—	< 0.34	< 8.5	< 0.68	< 0.34	< 0.34
1,1-Dichloroethylene	7	1	< 8.1	2.1	0.95 J//	2
1,2-Dichloroethane	5	< 0.31	< 7.8	< 0.62	< 0.31	< 0.31
1,2-Dichloropropane	5	< 0.43	< 11	< 0.85	< 0.43	< 0.43
2-Butanone (MEK)	—	< 2	< 50	< 4	< 2	< 2
2-Hexanone	—	< 2	< 50	< 4	< 2	< 2
4-Methyl-2-pentanone (MIBK)	—	< 1	< 25	< 2	< 1	< 1
Acetone	—	< 10	< 250	< 20	< 10	< 10
Benzene	5	< 0.31	< 7.8	< 0.62	< 0.31	< 0.31
Bromodichloromethane	80 ¹	< 0.24	< 6.1	< 0.48	< 0.24	< 0.24
Bromoform	80 ¹	< 0.41	< 10	< 0.81	< 0.41	< 0.41
Carbon Disulfide	—	< 0.53	< 13	< 1.1	< 0.53	< 0.53
Carbon Tetrachloride	5	< 0.36	< 8.9	< 0.71	< 0.36	< 0.36
Chlorobenzene	100	< 0.2	< 5	< 0.4	< 0.2	< 0.2
Chloroethane	—	< 0.67	< 17	< 1.3	< 0.67	< 0.67
Chloroform	80 ¹	< 0.3	< 7.5	< 0.6	< 0.3	< 0.3
cis-1,2-Dichloroethylene	70	< 0.28	16.8 J//	0.8 J//	0.88 J//	1.1
cis-1,3-Dichloropropene	—	< 0.29	< 7.3	< 0.58	< 0.29	< 0.29
Dibromochloromethane	80 ¹	< 0.28	< 6.9	< 0.55	< 0.28	< 0.28
Ethylbenzene	700	< 0.36	< 8.9	< 0.71	< 0.36	< 0.36
Methyl Bromide	—	< 2	< 50	< 4	< 2	< 2
Methyl Chloride	—	< 0.5	< 13	< 1	< 0.5	< 0.5
Methylene Chloride	5	< 2	< 50	< 4	< 2	< 2
Styrene	100	< 0.22	< 5.6	< 0.44	< 0.22	< 0.22
Tetrachloroethylene	5	80.7	1910	110	53.3	87.7
Toluene	1000	< 0.3	< 7.5	< 0.6	< 0.3	< 0.3
trans-1,2-Dichloroethylene	100	< 0.22	< 5.5	< 0.44	< 0.22	< 0.22
trans-1,3-Dichloropropene	—	< 0.21	< 5.4	< 0.43	< 0.21	< 0.21
Trichloroethylene	5	< 0.35	< 8.6	0.85 J//	0.83 J//	1.2
Vinyl Chloride	2	< 0.41	< 10	< 0.82	< 0.41	< 0.41
Xylene (total)	10000	< 0.72	< 18	< 1.4	< 0.72	< 0.72

Table 4
Summary of Analytical Results in Groundwater
Delavan Spray Technologies Site
Bamberg, South Carolina

Sample ID Lab Sample ID Date Collected	USEPA MCL	MW-31D FA84747-7 4/12/2021	MW-32DR FA84747-18 4/13/2021	MW-33D FA84747-3 4/12/2021	MW-34D FA84747-9 4/13/2021	MW-35D FA84747-12 4/13/2021
Volatile Organic Compounds by Method 8260B (µg/L)						
1,1,1-Trichloroethane	200	< 0.62	< 0.25	< 0.25	< 0.25	< 0.25
1,1,2,2-Tetrachloroethane	—	< 0.75	< 0.3	< 0.3	< 0.3	< 0.3
1,1,2-Trichloroethane	5	< 1.2	< 0.47	< 0.47	< 0.47	< 0.47
1,1-Dichloroethane	—	< 0.85	< 0.34	< 0.34	< 0.34	< 0.34
1,1-Dichloroethylene	7	2.6	< 0.32	< 0.32	< 0.32	< 0.32
1,2-Dichloroethane	5	< 0.78	< 0.31	< 0.31	< 0.31	< 0.31
1,2-Dichloropropane	5	< 1.1	< 0.43	< 0.43	< 0.43	< 0.43
2-Butanone (MEK)	—	< 5	< 2	< 2	< 2	< 2
2-Hexanone	—	< 5	< 2	< 2	< 2	< 2
4-Methyl-2-pentanone (MIBK)	—	< 2.5	< 1	< 1	< 1	< 1
Acetone	—	< 25	< 10	< 10	< 10	< 10
Benzene	5	< 0.78	< 0.31	< 0.31	< 0.31	< 0.31
Bromodichloromethane	80 ¹	< 0.61	< 0.24	< 0.24	< 0.24	< 0.24
Bromoform	80 ¹	< 1	< 0.41	< 0.41	< 0.41	< 0.41
Carbon Disulfide	—	< 1.3	< 0.53	< 0.53	< 0.53	< 0.53
Carbon Tetrachloride	5	< 0.89	< 0.36	< 0.36	< 0.36	< 0.36
Chlorobenzene	100	< 0.5	< 0.2	< 0.2	< 0.2	< 0.2
Chloroethane	—	< 1.7	< 0.67	< 0.67	< 0.67	< 0.67
Chloroform	80 ¹	< 0.75	< 0.3	< 0.3	< 0.3	< 0.3
cis-1,2-Dichloroethylene	70	0.47 J//	< 0.28	< 0.28	< 0.28	< 0.28
cis-1,3-Dichloropropene	—	< 0.73	< 0.29	< 0.29	< 0.29	< 0.29
Dibromochloromethane	80 ¹	< 0.69	< 0.28	< 0.28	< 0.28	< 0.28
Ethylbenzene	700	< 0.89	< 0.36	< 0.36	< 0.36	< 0.36
Methyl Bromide	—	< 5	< 2	< 2	< 2	< 2
Methyl Chloride	—	< 1.3	< 0.5	< 0.5	< 0.5	< 0.5
Methylene Chloride	5	< 5	< 2	< 2	< 2	< 2
Styrene	100	< 0.56	< 0.22	< 0.22	< 0.22	< 0.22
Tetrachloroethylene	5	92.2	16.6	< 0.22	< 0.22	< 0.22
Toluene	1000	< 0.75	< 0.3	< 0.3	< 0.3	< 0.3
trans-1,2-Dichloroethylene	100	< 0.55	< 0.22	< 0.22	< 0.22	< 0.22
trans-1,3-Dichloropropene	—	< 0.54	< 0.21	< 0.21	< 0.21	< 0.21
Trichloroethylene	5	0.43 J//	< 0.35	< 0.35	< 0.35	< 0.35
Vinyl Chloride	2	< 1	< 0.41	< 0.41	< 0.41	< 0.41
Xylene (total)	10000	< 1.8	< 0.72	< 0.72	< 0.72	< 0.72

Table 4
Summary of Analytical Results in Groundwater
Delavan Spray Technologies Site
Bamberg, South Carolina

Sample ID Lab Sample ID Date Collected	USEPA MCL	MW-36D FA84711-3 4/13/2021	MW-37 FA84747-4 4/12/2021
Volatile Organic Compounds by Method 8260B (µg/L)			
1,1,1-Trichloroethane	200	< 0.25	< 62
1,1,2,2-Tetrachloroethane	—	< 0.3	< 75
1,1,2-Trichloroethane	5	< 0.47	< 120
1,1-Dichloroethane	—	< 0.34	< 85
1,1-Dichloroethylene	7	< 0.32	< 81
1,2-Dichloroethane	5	< 0.31	< 78
1,2-Dichloropropane	5	< 0.43	< 110
2-Butanone (MEK)	—	< 2	< 500
2-Hexanone	—	< 2	< 500
4-Methyl-2-pentanone (MIBK)	—	< 1	< 250
Acetone	—	< 10	< 2500
Benzene	5	< 0.31	< 78
Bromodichloromethane	80 ¹	< 0.24	< 61
Bromoform	80 ¹	< 0.41	< 100
Carbon Disulfide	—	< 0.53	< 130
Carbon Tetrachloride	5	< 0.36	< 89
Chlorobenzene	100	< 0.2	< 50
Chloroethane	—	< 0.67	< 170
Chloroform	80 ¹	< 0.3	< 75
cis-1,2-Dichloroethylene	70	< 0.28	< 69
cis-1,3-Dichloropropene	—	< 0.29	< 73
Dibromochloromethane	80 ¹	< 0.28	< 69
Ethylbenzene	700	< 0.36	< 89
Methyl Bromide	—	< 2	< 500
Methyl Chloride	—	< 0.5	< 130
Methylene Chloride	5	< 2	< 500
Styrene	100	< 0.22	< 56
Tetrachloroethylene	5	0.24 J//	17400
Toluene	1000	< 0.3	< 75
trans-1,2-Dichloroethylene	100	< 0.22	< 55
trans-1,3-Dichloropropene	—	< 0.21	< 54
Trichloroethylene	5	< 0.35	< 86
Vinyl Chloride	2	< 0.41	< 100
Xylene (total)	10000	< 0.72	< 180

Notes:

µg/L - micrograms per liter (parts per billion)

USEPA MCL - United States Environmental Protection Agency Maximum Contaminant Level (March, 2018).

¹ 1998 Final Rule for Disinfectants and Disinfection By-products. The total for trihalomethanes (THM) is 80 ug/L.

— - Indicates No Standard (for screening criteria).

Bold font and shading indicate the concentration is detected.

Bold outline indicates the concentration exceeds the MCL.

South Carolina Department of Health and Environmental Control (SCDHEC) R.61-68 Water Classifications and Standards

(June 27, 2014) were also identified for the list of detected chemicals in groundwater. In each case, however, they were the same values as the USEPA MCLs.

See Table 8 for explanation of data qualifiers.

Table 5
Summary of Analytical Results in Surface Water
Delavan Spray Technologies Site
Bamberg, South Carolina

Sample ID Lab Sample ID Date Collected	USEPA MCL	SCDHEC WCS	SW-01-LC FA84711-10 4/14/2021	SW-02-LC FA84711-12 4/14/2021	SW-03-HMB FA84711-13 4/14/2021	SW-04-TLC FA84711-11 4/14/2021
Volatile Organic Compounds by Method 8260 (µg/L)						
1,1,1-Trichloroethane	200	—	< 0.25	< 0.25	< 0.25	< 0.25
1,1,2,2-Tetrachloroethane	—	4	< 0.3	< 0.3	< 0.3	< 0.3
1,1,2-Trichloroethane	5	16	< 0.47	< 0.47	< 0.47	< 0.47
1,1-Dichloroethane	—	—	< 0.34	< 0.34	< 0.34	< 0.34
1,1-Dichloroethylene	7	7100	< 0.32	< 0.32	< 0.32	< 0.32
1,2-Dichloroethane	5	37	< 0.31	< 0.31	< 0.31	< 0.31
1,2-Dichloropropane	5	15	< 0.43	< 0.43	< 0.43	< 0.43
2-Butanone (MEK)	—	—	< 2	< 2	< 2	< 2
2-Hexanone	—	—	< 2	< 2	< 2	< 2
4-Methyl-2-pentanone (MIBK)	—	—	< 1	< 1	< 1	< 1
Acetone	—	—	< 10	< 10	< 10	< 10
Benzene	5	51	< 0.31	< 0.31	< 0.31	< 0.31
Bromodichloromethane	80 ¹	17	< 0.24	< 0.24	< 0.24	< 0.24
Bromoform	80 ¹	140	< 0.41	< 0.41	< 0.41	< 0.41
Carbon Disulfide	—	—	< 0.53	< 0.53	< 0.53	< 0.53
Carbon Tetrachloride	5	1.6	< 0.36	< 0.36	< 0.36	< 0.36
Chlorobenzene	100	1600	< 0.2	< 0.2	< 0.2	< 0.2
Chloroethane	—	—	< 0.67	< 0.67	< 0.67	< 0.67
Chloroform	80 ¹	470	< 0.3	< 0.3	< 0.3	< 0.3
cis-1,2-Dichloroethylene	70	—	< 0.28	< 0.28	< 0.28	< 0.28
cis-1,3-Dichloropropene	—	21	< 0.29	< 0.29	< 0.29	< 0.29
Dibromochloromethane	80 ¹	13	< 0.28	< 0.28	< 0.28	< 0.28
Ethylbenzene	700	2100	< 0.36	< 0.36	< 0.36	< 0.36
Methyl Bromide	—	1500	< 2	< 2	< 2	< 2
Methyl Chloride	—	—	< 0.5	< 0.5	< 0.5	< 0.5
Methylene Chloride	5	590	< 2	< 2	< 2	< 2
Styrene	100	—	< 0.22	< 0.22	< 0.22	< 0.22
Tetrachloroethylene	5	3.3	2.1	< 0.22	< 0.22	< 0.22
Toluene	1000	15000	< 0.3	< 0.3	< 0.3	< 0.3
trans-1,2-Dichloroethylene	100	10000	< 0.22	< 0.22	< 0.22	< 0.22
trans-1,3-Dichloropropene	—	21	< 0.21	< 0.21	< 0.21	< 0.21
Trichloroethylene	5	30	< 0.35	< 0.35	< 0.35	< 0.35
Vinyl Chloride	2	2.4	< 0.41	< 0.41	< 0.41	< 0.41
Xylene (total)	10000	—	< 0.72	< 0.72	< 0.72	< 0.72

Notes:

µg/L - micrograms per liter (parts per billion)

USEPA MCL - United States Environmental Protection Agency Maximum Contaminant Level (March 2018).

¹ 1998 Final Rule for Disinfectants and Disinfection By-products. The total for trihalomethanes (THM) is 80 µg/L.

— - Indicates No Standard (for screening criteria).

Bold font and shading indicate the concentration is detected.

SCDEC WCS - South Carolina Department of Health and Environmental Control R.61-68 Water Classifications and Standards for Consumption of Organism Only (June 2014)

See Table 8 for explanation of data qualifiers.

Table 6
Summary of Analytical Results in IDW
Delavan Spray Technologies Site
Bamberg, South Carolina

Sample ID Lab Sample ID Date Collected	USEPA Toxicity Characteristic	IDW-1 FA84711-9 4/14/2021
Volatile Organic Compounds by Method 8260 (µg/L)		
1,1,1-Trichloroethane	—	1.9 J//
1,1,2,2-Tetrachloroethane	—	< 1.5
1,1,2-Trichloroethane	—	< 2.3
1,1-Dichloroethane	—	< 1.7
1,1-Dichloroethylene	700	< 1.6
1,2-Dichloroethane	500	< 1.6
1,2-Dichloropropane	—	< 2.1
2-Butanone (MEK)	200,000	< 10
2-Hexanone	—	< 10
4-Methyl-2-pentanone (MIBK)	—	< 5
Acetone	—	120 J//
Benzene	500	< 1.6
Bromodichloromethane	—	< 1.2
Bromoform	—	< 2
Carbon Disulfide	—	< 2.7
Carbon Tetrachloride	500	< 1.8
Chlorobenzene	100,000	< 1
Chloroethane	—	< 3.3
Chloroform	6,000	< 1.5
cis-1,2-Dichloroethylene	—	11.5
cis-1,3-Dichloropropene	—	< 1.5
Dibromochloromethane	—	< 1.4
Ethylbenzene	—	< 1.8
Methyl Bromide	—	< 10
Methyl Chloride	—	< 2.5
Methylene Chloride	—	< 10
Styrene	—	< 1.1
Tetrachloroethylene	700	572
Toluene	—	< 1.5
trans-1,2-Dichloroethylene	—	< 1.1
trans-1,3-Dichloropropene	—	< 1.1
Vinyl Chloride	200	< 2
Xylene (total)	—	< 3.6
Semivolatile Organic Compounds by Method 8270 (µg/L)		
1,2,4-Trichlorobenzene	—	< 1
1,2-Dichlorobenzene	—	< 0.48
1,3-Dichlorobenzene	—	< 0.48
1,4-Dichlorobenzene	7,500	< 0.48
2,2'-Oxybis(1-chloropropane)	—	< 0.73
2,4,5-Trichlorophenol	400,000	< 0.71
2,4,6-Trichlorophenol	2,000	< 0.72
2,4-Dichlorophenol	—	< 0.8
2,4-Dimethylphenol	—	< 0.71
2,4-Dinitrophenol	—	< 4.8
2,4-Dinitrotoluene	130	< 0.78
2,6-Dinitrotoluene	—	< 0.69
2-Chloronaphthalene	—	< 0.48
2-Chlorophenol	—	< 0.61
2-Methylnaphthalene	—	< 0.58
2-Methylphenol	200,000	< 0.54
2-Nitroaniline	—	< 1.7
2-Nitrophenol	—	< 0.82
3&4-Methylphenol	200,000	< 0.94
3,3'-Dichlorobenzidine	—	< 0.62
3-Nitroaniline	—	< 0.85
4,6-Dinitro-o-cresol	—	< 1.9
4-Bromophenyl Phenyl Ether	—	< 0.81
4-Chloro-3-methyl Phenol	—	< 0.57
4-Chloroaniline	—	< 0.61
4-Chlorophenyl Phenyl Ether	—	< 0.52
4-Nitroaniline	—	< 1.1

Table 6
Summary of Analytical Results in IDW
Delavan Spray Technologies Site
Bamberg, South Carolina

Sample ID Lab Sample ID Date Collected	USEPA Toxicity Characteristic	IDW-1 FA84711-9 4/14/2021
Semivolatile Organic Compounds by Method 8270 (µg/L)		
4-Nitrophenol	—	< 4.8
Acenaphthene	—	< 0.6
Acenaphthylene	—	< 0.61
Anthracene	—	< 0.77
Benzo(a)anthracene	—	< 0.73
Benzo(a)pyrene	—	< 0.75
Benzo(b)fluoranthene	—	< 0.75
Benzo(g,h,i)perylene	—	< 0.79
Benzo(k)fluoranthene	—	< 0.82
Benzoic Acid	—	< 9.6
Benzyl Alcohol	—	< 0.59
bis(2-Chloroethoxy)methane	—	< 0.78
bis(2-Chloroethyl)ether	—	< 0.7
bis(2-Ethylhexyl)phthalate	—	< 0.96
Butyl Benzyl Phthalate	—	< 0.96
Carbazole	—	< 0.58
Chrysene	—	< 0.82
Di-n-butyl Phthalate	—	< 0.96
Di-n-octyl Phthalate	—	< 0.96
Dibenzo(a,h)anthracene	—	< 0.77
Dibenzofuran	—	< 0.58
Diethyl Phthalate	—	< 0.96
Dimethyl Phthalate	—	< 0.96
Fluoranthene	—	< 0.53
Fluorene	—	< 0.67
Hexachlorobenzene	130	< 0.67
Hexachlorobutadiene	500	< 0.48
Hexachlorocyclopentadiene	—	< 1.7
Hexachloroethane	3,000	< 1.6
Indeno(1,2,3-cd)pyrene	—	< 0.69
Isophorone	—	< 0.75
N-Nitrosodi-n-propylamine	—	< 0.64
N-Nitrosodiphenylamine	—	< 0.78
Naphthalene	—	< 0.48
Nitrobenzene	2,000	< 0.9
Pentachlorophenol	100,000	< 4.8
Phenanthrene	—	< 0.83
Phenol	—	< 0.48
Pyrene	—	< 0.66
Metals by Method 6010 (µg/L)		
Antimony	—	< 1
Arsenic	5,000	< 1.3
Beryllium	—	< 0.2
Cadmium	1,000	< 0.2
Chromium	5,000	4 J//
Copper	—	3.3 J//
Lead	5,000	3 J//
Nickel	—	1.3 J//
Selenium	1,000	< 2.9
Silver	5,000	< 0.7
Thallium	—	< 1.4
Zinc	—	39.9
Mercury by Method 7470 (µg/L)		
Mercury	200	< 0.03

Notes:

— - No Standard

IDW - Investigation Derived Waste

µg/L - micrograms per liter (parts per billion)

USEPA Toxicity Characteristic - United States Environmental Protection

Agency Maximum Concentration of Contaminants for the Toxicity

Characteristic (40CFR§261.24 Toxicity Characteristic, July 1, 2007).

Bold font and shading indicates the analyte was detected.

See Table 8 for explanation of data qualifiers.

Table 7
Summary of QA/QC Sample Results
Delavan Spray Technologies Site
Bamberg, South Carolina

Sample ID Lab Sample ID Date Collected	MW-14D FA84747-23 4/13/2021	MW-14D-DUP FA84747-24 4/13/2021	Relative Percent Difference	MW-22D FA84747-14 4/13/2021	MW-22D-DUP FA84747-15 4/13/2021	Relative Percent Difference
Volatile Organic Compounds by Method 8260 (µg/L)						
1,1,1-Trichloroethane	< 0.25	< 0.25	NC	< 0.25	< 0.25	NC
1,1,2,2-Tetrachloroethane	< 0.3	< 0.3	NC	< 0.3	< 0.3	NC
1,1,2-Trichloroethane	< 0.47	< 0.47	NC	< 0.47	< 0.47	NC
1,1-Dichloroethane	< 0.34	< 0.34	NC	< 0.34	< 0.34	NC
1,1-Dichloroethylene	1.1	1.1	0.0	1	1.1	9.5
1,2-Dichloroethane	< 0.31	< 0.31	NC	< 0.31	< 0.31	NC
1,2-Dichloropropane	< 0.43	< 0.43	NC	< 0.43	< 0.43	NC
2-Butanone (MEK)	< 2	< 2	NC	< 2	< 2	NC
2-Hexanone	< 2	< 2	NC	< 2	< 2	NC
4-Methyl-2-pentanone (MIBK)	< 1	< 1	NC	< 1	< 1	NC
Acetone	< 10	< 10	NC	< 10	< 10	NC
Benzene	< 0.31	< 0.31	NC	< 0.31	< 0.31	NC
Bromodichloromethane	< 0.24	< 0.24	NC	< 0.24	< 0.24	NC
Bromoform	< 0.41	< 0.41	NC	< 0.41	< 0.41	NC
Carbon Disulfide	< 0.53	< 0.53	NC	< 0.53	< 0.53	NC
Carbon Tetrachloride	< 0.36	< 0.36	NC	< 0.36	< 0.36	NC
Chlorobenzene	< 0.2	< 0.2	NC	< 0.2	< 0.2	NC
Chloroethane	< 0.67	< 0.67	NC	< 0.67	< 0.67	NC
Chloroform	< 0.3	< 0.3	NC	< 0.3	< 0.3	NC
cis-1,2-Dichloroethylene	0.62 J//	0.53 J//	15.7	< 0.28	< 0.28	NC
cis-1,3-Dichloropropene	< 0.29	< 0.29	NC	< 0.29	< 0.29	NC
Dibromochloromethane	< 0.28	< 0.28	NC	< 0.28	< 0.28	NC
Ethylbenzene	< 0.36	< 0.36	NC	< 0.36	< 0.36	NC
Methyl Bromide	< 2	< 2	NC	< 2	< 2	NC
Methyl Chloride	< 0.5	< 0.5	NC	< 0.5	< 0.5	NC
Methylene Chloride	< 2	< 2	NC	< 2	< 2	NC
Styrene	< 0.22	< 0.22	NC	< 0.22	< 0.22	NC
Tetrachloroethylene	54.8	54.7	0.2	80.7	82.2	1.8
Toluene	< 0.3	< 0.3	NC	< 0.3	< 0.3	NC
trans-1,2-Dichloroethylene	< 0.22	< 0.22	NC	< 0.22	< 0.22	NC
trans-1,3-Dichloropropene	< 0.21	< 0.21	NC	< 0.21	< 0.21	NC
Trichloroethylene	0.55 J//	0.53 J//	3.7	< 0.35	< 0.35	NC
Vinyl Chloride	< 0.41	< 0.41	NC	< 0.41	< 0.41	NC
Xylene (total)	< 0.72	< 0.72	NC	< 0.72	< 0.72	NC

Table 7
Summary of QA/QC Sample Results
Delavan Spray Technologies Site
Bamberg, South Carolina

Sample ID Lab Sample ID Date Collected	MW-32DR FA84747-18 4/13/2021	MW-32DR-DUP FA84747-19 4/13/2021	Relative Percent Difference
Volatile Organic Compounds by Method 8260 (µg/L)			
1,1,1-Trichloroethane	< 0.25	< 0.25	NC
1,1,2,2-Tetrachloroethane	< 0.3	< 0.3	NC
1,1,2-Trichloroethane	< 0.47	< 0.47	NC
1,1-Dichloroethane	< 0.34	< 0.34	NC
1,1-Dichloroethylene	< 0.32	< 0.32	NC
1,2-Dichloroethane	< 0.31	< 0.31	NC
1,2-Dichloropropane	< 0.43	< 0.43	NC
2-Butanone (MEK)	< 2	< 2	NC
2-Hexanone	< 2	< 2	NC
4-Methyl-2-pentanone (MIBK)	< 1	< 1	NC
Acetone	< 10	< 10	NC
Benzene	< 0.31	< 0.31	NC
Bromodichloromethane	< 0.24	< 0.24	NC
Bromoform	< 0.41	< 0.41	NC
Carbon Disulfide	< 0.53	< 0.53	NC
Carbon Tetrachloride	< 0.36	< 0.36	NC
Chlorobenzene	< 0.2	< 0.2	NC
Chloroethane	< 0.67	< 0.67	NC
Chloroform	< 0.3	< 0.3	NC
cis-1,2-Dichloroethylene	< 0.28	< 0.28	NC
cis-1,3-Dichloropropene	< 0.29	< 0.29	NC
Dibromochloromethane	< 0.28	< 0.28	NC
Ethylbenzene	< 0.36	< 0.36	NC
Methyl Bromide	< 2	< 2	NC
Methyl Chloride	< 0.5	< 0.5	NC
Methylene Chloride	< 2	< 2	NC
Styrene	< 0.22	< 0.22	NC
Tetrachloroethylene	16.6	16.7	0.6
Toluene	< 0.3	< 0.3	NC
trans-1,2-Dichloroethylene	< 0.22	< 0.22	NC
trans-1,3-Dichloropropene	< 0.21	< 0.21	NC
Trichloroethylene	< 0.35	< 0.35	NC
Vinyl Chloride	< 0.41	< 0.41	NC
Xylene (total)	< 0.72	< 0.72	NC

Notes:

-DUP - Indicates a field duplicate sample.

NC - Not Calculated

µg/L - micrograms per liter (parts per billion)

Bold font and shading indicate the concentration is detected.

See Table 8 for explanation of data qualifiers.

Table 7
Summary of QA/QC Sample Results
Delavan Spray Technologies Site
Bamberg, South Carolina

Sample ID Lab Sample ID Date Collected	TRIP BLANK 1 FA84747-1 4/12/2021	TRIP BLANK 2 FA84747-2 4/12/2021	TRIP BLANK 3 FA84711-1 4/13/2021
Volatile Organic Compounds by Method 8260 (µg/L)			
1,1,1-Trichloroethane	< 0.25	< 0.25	< 0.25
1,1,2,2-Tetrachloroethane	< 0.3	< 0.3	< 0.3
1,1,2-Trichloroethane	< 0.47	< 0.47	< 0.47
1,1-Dichloroethane	< 0.34	< 0.34	< 0.34
1,1-Dichloroethylene	< 0.32	< 0.32	< 0.32
1,2-Dichloroethane	< 0.31	< 0.31	< 0.31
1,2-Dichloropropane	< 0.43	< 0.43	< 0.43
2-Butanone (MEK)	< 2	< 2	< 2
2-Hexanone	< 2	< 2	< 2
4-Methyl-2-pentanone (MIBK)	< 1	< 1	< 1
Acetone	< 10	< 10	< 10
Benzene	< 0.31	< 0.31	< 0.31
Bromodichloromethane	< 0.24	< 0.24	< 0.24
Bromoform	< 0.41	< 0.41	< 0.41
Carbon Disulfide	< 0.53	< 0.53	< 0.53
Carbon Tetrachloride	< 0.36	< 0.36	< 0.36
Chlorobenzene	< 0.2	< 0.2	< 0.2
Chloroethane	< 0.67	< 0.67	< 0.67
Chloroform	< 0.3	< 0.3	< 0.3
cis-1,2-Dichloroethylene	< 0.28	< 0.28	< 0.28
cis-1,3-Dichloropropene	< 0.29	< 0.29	< 0.29
Dibromochloromethane	< 0.28	< 0.28	< 0.28
Ethylbenzene	< 0.36	< 0.36	< 0.36
Methyl Bromide	< 2	< 2	< 2
Methyl Chloride	< 0.5	< 0.5	< 0.5
Methylene Chloride	< 2	< 2	< 2
Styrene	< 0.22	< 0.22	< 0.22
Tetrachloroethylene	< 0.22	< 0.22	< 0.22
Toluene	< 0.3	< 0.3	< 0.3
trans-1,2-Dichloroethylene	< 0.22	< 0.22	< 0.22
trans-1,3-Dichloropropene	< 0.21	< 0.21	< 0.21
Trichloroethylene	< 0.35	< 0.35	< 0.35
Vinyl Chloride	< 0.41	< 0.41	< 0.41
Xylene (total)	< 0.72	< 0.72	< 0.72

Notes:

µg/L - micrograms per liter (parts per billion)

Table 8
Definitions of Data Qualifiers
Delavan Spray Technologies Site
Bamberg, South Carolina

<u>Modifier</u>	<u>Description</u>
<	Indicates not detected at the reporting limit indicated.
"/"	Separates the laboratory added data qualifiers from the validation data qualifiers. The laboratory added data qualifiers precede the first "/." The result qualifiers follow the first "/," and the analysis qualifiers follow the second "/." The result qualifiers are a product of the data validation process, and the analysis qualifiers define the type of QC excursion.

Laboratory Data Qualifiers

<u>Qualifier</u>	<u>Description</u>
J	Estimated concentration above the method detection limit and below the reporting limit.

Result Data Qualifiers

<u>Qualifier</u>	<u>Description</u>
	No Result data qualifiers were added.

Analysis Data Qualifiers

<u>Qualifier</u>	<u>Description</u>
	No Analysis data qualifiers were added.

Table 9
2021 - 2022 Monitoring Well Sampling Schedule
Delavan Spray Technologies Site
Bamberg, South Carolina

Well Number	Classification	Screen Interval (ft bgs)	Proposed 2021-2022 Sampling Plan			Proposed 2021-2022 Sampling Schedule			
			Field Water Quality Indicator Parameters	VOCs ¹	Proposed Sampling Frequency	April 2021	October 2021	April 2022	October 2022
Off-Site Background Areas									
MW-17	Shallow	13-28	X	X	Biennial				X
MW-18	Shallow	11-26	X	X	Annual		X		X
On-Site Background Areas									
MW-4	Shallow	4-14	X	X	Biennial				X
Wooded Areas of Interest									
MW-9	Shallow	5-20	X	X	Semi-Annual	X	X	X	X
MW-9D	Deep	44-49	X	X	Biennial				X
MW-10	Shallow	3-18	X	X	Semi-Annual	X	X	X	X
MW-10D	Deep	43-48	X	X	Semi-Annual	X	X	X	X
MW-11	Shallow	3-18	X	X	Biennial				X
Manufacturing Areas									
MW-1	Shallow	3-18	X	X	Semi-Annual	X	X	X	X
MW-2	Shallow	3-18	X	X	Semi-Annual	X	X	X	X
MW-3	Shallow	3-18	X	X	Semi-Annual	X	X	X	X
MW-3D	Deep	44-49	X	X	Semi-Annual	X	X	X	X
MW-3D1	Deep	75-85	X	X	Biennial				X
MW-5	Shallow	4-14	X	X	Annual		X		X
MW-6	Shallow	4-14	X	X	Biennial				X
MW-7	Shallow	5-20	X	X	Annual		X		X
MW-8	Shallow	5-20	X	X	Semi-Annual	X	X	X	X
MW-12D	Deep	40-50	X	X	Semi-Annual	X	X	X	X
MW-13D	Deep	40-50	X	X	Semi-Annual	X	X	X	X
MW-19	Shallow	5-20	X	X	Semi-Annual	X	X	X	X
MW-20	Shallow	5-15	X	X	Semi-Annual	X	X	X	X
MW-21	Shallow	19-34	X	X	Semi-Annual	X	X	X	X
MW-21D	Deep	43-53	X	X	Semi-Annual	X	X	X	X
MW-24	Shallow	6-21	X	X	Semi-Annual	X	X	X	X
Downgradient Off-Site Areas									
MW-14	Shallow	5-20	X	X	Annual		X		X
MW-14D	Deep	40-50	X	X	Semi-Annual	X	X	X	X
MW-15	Shallow	4-19	X	X	Biennial				X
MW-15D	Deep	35-45	X	X	Biennial				X
MW-15D1	Deep	75-85	X	X	Biennial				X
MW-16	Shallow	4-19	X	X	Biennial				X
MW-16D	Deep	35-45	X	X	Biennial				X
MW-22D	Deep	38-48	X	X	Semi-Annual	X	X	X	X
MW-23D	Deep	40-50	X	X	Biennial				X
MW-25D	Deep	52-62	X	X	Semi-Annual	X	X	X	X
MW-26D	Deep	38-48	X	X	Semi-Annual	X	X	X	X
MW-27	Shallow	19 - 29	X	X	Annual		X		X
MW-28	Shallow	19 - 29	X	X	Annual		X		X
MW-29	Shallow	19 - 29	X	X	Biennial				X
MW-30D	Deep	50 - 60	X	X	Semi-Annual	X	X	X	X
MW-31D	Deep	50 - 60	X	X	Semi-Annual	X	X	X	X
MW-32DR	Deep	50 - 60	X	X	Semi-Annual	X	X	X	X
MW-33D	Deep	64 - 74	X	X	Semi-Annual	X	X	X	X
MW-34D	Deep	69.4 - 79.4	X	X	Semi-Annual	X	X	X	X
MW-35D	Deep	64.2 - 74.2	X	X	Semi-Annual	X	X	X	X
MW-36D	Deep	53.9 - 63.9	X	X	Semi-Annual	X	X	X	X
MW-37	Shallow	11.8 - 21.8	X	X	Semi-Annual	X	X	X	X

Table 9
2021 - 2022 Monitoring Well Sampling Schedule
Delavan Spray Technologies Site
Bamberg, South Carolina

Well Number	Classification	Screen Interval (ft bgs)	Proposed 2021-2022 Sampling Plan			Proposed 2021-2022 Sampling Schedule			
			Field Water Quality Indicator Parameters	VOCs ¹	Proposed Sampling Frequency	April 2021	October 2021	April 2022	October 2022
Surface Water Samples									
SW-01-LC			X	X	Semi-Annual	X	X	X	X
SW-02-LC			X	X	Semi-Annual	X	X	X	X
SW-03-HMB			X	X	Semi-Annual	X	X	X	X
SW-04-TLC			X	X	Semi-Annual	X	X	X	X
Totals									
Totals for all analytes						29	37	29	50
QA/QC Samples									
Field Duplicate	one per 10 samples					3	4	3	5
MS/MSD	one per 20 samples					1	2	1	2
Rinseate Blank	one per 20 samples for re-useable sampling equipment					NA ³	NA ³	NA ³	NA ³
Trip Blank	one per crew/cooler per day					3	4	3	5
Aqueous IDW									
IDW-1	Composite sample from drums for waste profiling ²					1	1	1	1

Notes:

bgs - below ground surface

IDW - investigation-derived waste

MNA - monitored natural attenuation

MS - matrix spike

MSD - matrix spike duplicate

QA/QC - quality assurance / quality control

¹ - TCL VOCs by Method 8260B.

² - of TCL VOCs (8260B), TCL SVOCs (8270D) and Priority Pollutant Metals (610C/7470B)

³ - rinseate blanks are not expected since all downhole sampling equipment is disposable.

APPENDIX A

FIELD DOCUMENTATION

Equipment Calibration Logs

Water Level Data Summary

Field Data Logs for Groundwater Sampling

Field Data Logs for Surface Water/Sediment Sampling

Chain-of-Custody Forms

Daily Logbook Entries

FIELD INSTRUMENT CALIBRATION LOG

Project Name: UTC Delavan
 Project Number: 60655814
 Calibrated By: R. Morgan
 Signature: _____

YSI 556 SN: 17L103732
 Turbidity Meter Model/SN: _____
 Additional Equipment SN: _____
 Date: 4-12-2021

Operation Notes:

- 1) Turn meter on in Run mode and allow to warm up 10 to 15 minutes prior to calibration.
- 2) Observe DO % for 2-3 minutes when meter is initially turned on. The unit should display decreasing values until it is stabilized near 100%.
- 3) If the meter does not stabilize at/near 100%, indicates the DO sensor requires maintenance.

These values should be keyed in when calibrating a water quality meter. Be sure to use the temperature of the standards, not ambient temperature, and be sure the temperature sensor is submerged in the solution.

Temp. C	pH 4	pH 7	pH 10	Conductivity	ORP
5	4.00	7.07	10.19	896.00	257.00
10	4.00	7.06	10.16	1020.00	250.50
15	4.00	7.04	10.10	1147.00	244.00
20	4.00	7.02	10.05	1278.00	237.50
25	4.00	7.01	10.01	1413.00	231.00
30	4.00	6.99	9.96	1548.00	224.50

mm Hg = millimeters of mercury. Note that the YSI 556 uses this information ONLY when the DO calibration is being done. After calibration is complete it no longer corrects for pressure change. Verify the meter is correct for your altitude when calibrating.

Altitude feet (asl)	Pressure (mmHg)	Altitude feet (asl)	Pressure (mmHg)	Altitude feet (asl)	Pressure (mmHg)
0	760	1126	730	2290	699
278	752	1413	722	2587	692
558	745	1703	714	2887	684
841	737	1995	707	3190	676

Temp C.	DO	Temp C.	DO	Temp C.	DO	Temp C.	DO	Temp C.	DO
15	10.084	20	9.092	25	8.263	30	7.559	35	6.950
16	9.870	21	8.915	26	8.113	31	7.430	36	6.837
17	9.665	22	8.743	27	7.968	32	7.305	37	6.727
18	9.467	23	8.578	28	7.827	33	7.183	38	6.620
19	9.276	24	8.418	29	7.691	34	7.065	39	6.515

YSI 556 Calibration				
Parameter	Before Calibration	After Calibration	Time	Units
Barometric Pressure	250.0		1520	mmHg
Temperature (Saturated Air)	29.05	29.8	1520	C
Temperature (Calibration Solution)	24.1	24.5	1540	C
DO	7.11	7.49	1520	mg/L
pH 7	7.10	7.01	1528	SU
pH 4	4.01	4.00	1532	SU
pH 10	10.02	10.03	1536	SU
Specific Conductance	128	1041	1528	mS/cm
ORP	235.3	231.0	1540	mV

MicroTPW Calibration	
Calibrations performed 0.02, 10, and 1,000 NTU	Calibrations accepted: ☒ Yes ☐ No (circle one)

FIELD INSTRUMENT CALIBRATION LOG

Project Name: WTC Delavan
 Project Number: 60655814
 Calibrated By: M. Rockwell
 Signature: [Signature]

YSI 556 SN: 17L103131
 Turbidity Meter Model/SN: 201209172
 Additional Equipment SN:
 Date: April 12, 2021

Operation Notes:

- 1) Turn meter on in Run mode and allow to warm up 10 to 15 minutes prior to calibration.
- 2) Observe DO % for 2-3 minutes when meter is initially turned on. The unit should display decreasing values until it is stabilized near 100%.
- 3) If the meter does not stabilize at/near 100%, indicates the DO sensor requires maintenance.

These values should be keyed in when calibrating a water quality meter. Be sure to use the temperature of the standards, not ambient temperature, and be sure the temperature sensor is submerged in the solution.

Temp. C	pH 4	pH 7	pH 10	Conductivity	ORP
5	4.00	7.07	10.19	896.00	257.00
10	4.00	7.06	10.16	1020.00	250.50
15	4.00	7.04	10.10	1147.00	244.00
20	4.00	7.02	10.05	1278.00	237.50
25	4.00	7.01	10.01	1413.00	231.00
30	4.00	6.99	9.96	1548.00	224.50

mm Hg = millimeters of mercury. Note that the YSI 556 uses this information ONLY when the DO calibration is being done. After calibration is complete it no longer corrects for pressure change. Verify the meter is correct for your altitude when calibrating.

Altitude feet (asl)	Pressure (mmHg)	Altitude feet (asl)	Pressure (mmHg)	Altitude feet (asl)	Pressure (mmHg)
0	760	1126	730	2290	699
278	752	1413	722	2587	692
558	745	1703	714	2887	684
841	737	1995	707	3190	676

Temp C.	DO	Temp C.	DO	Temp C.	DO	Temp C.	DO	Temp C.	DO
15	10.084	20	9.092	25	8.263	30	7.559	35	6.950
16	9.870	21	8.915	26	8.113	31	7.430	36	6.837
17	9.665	22	8.743	27	7.968	32	7.305	37	6.727
18	9.467	23	8.578	28	7.827	33	7.183	38	6.620
19	9.276	24	8.418	29	7.691	34	7.065	39	6.515

YSI 556 Calibration				
Parameter	Before Calibration	After Calibration	Time	Units
Barametric Pressure	758.7		1512	mmHg
Temperature (Saturated Air)	21.9°			C
Temperature (Calibration Solution)	20.8°			C
DO	9.08	9.10	1514	mg/L
pH 7	7.03	7.03	1516	SU
pH 4	4.00	4.00	1517	SU
pH 10	10.06	10.05	1519	SU
Specific Conductance	1280	1278	1523	mS/cm
ORP	240.3	237.6	1526	mV

MicroTPW Calibration	
Calibrations performed 0.02, 10, and 1,000 NTU	Calibrations accepted: <u>(6) Yes</u> <u>No</u> (circle one) <u>MR</u>

FIELD INSTRUMENT CALIBRATION LOG

Project Name: UTC De/aven
 Project Number: _____
 Calibrated By: Randy Morgan
 Signature: Randy Morgan

YSI 556 SN: 172103932
 Turbidity Meter Model/SN: 201712569
 Additional Equipment SN: _____
 Date: 4-13-2021

Operation Notes:

- 1) Turn meter on in Run mode and allow to warm up 10 to 15 minutes prior to calibration.
- 2) Observe DO % for 2-3 minutes when meter is initially turned on. The unit should display decreasing values until it is stabilized near 100%.
- 3) If the meter does not stabilize at/near 100%, indicates the DO sensor requires maintenance.

These values should be keyed in when calibrating a water quality meter. Be sure to use the temperature of the standards, not ambient temperature, and be sure the temperature sensor is submerged in the solution.

Temp. C	pH 4	pH 7	pH 10	Conductivity	ORP
5	4.00	7.07	10.19	896.00	257.00
10	4.00	7.06	10.16	1020.00	250.50
15	4.00	7.04	10.10	1147.00	244.00
20	4.00	7.02	10.05	1278.00	237.50
25	4.00	7.01	10.01	1413.00	231.00
30	4.00	6.99	9.96	1548.00	224.50

mm Hg = millimeters of mercury. Note that the YSI 556 uses this information ONLY when the DO calibration is being done. After calibration is complete it no longer corrects for pressure change. Verify the meter is correct for your altitude when calibrating.

Altitude feet (asl)	Pressure (mmHg)	Altitude feet (asl)	Pressure (mmHg)	Altitude feet (asl)	Pressure (mmHg)
0	760	1126	730	2290	699
278	752	1413	722	2587	692
558	745	1703	714	2887	684
841	737	1995	707	3190	676

Temp C.	DO	Temp C.	DO	Temp C.	DO	Temp C.	DO	Temp C.	DO
15	10.084	20	9.092	25	8.263	30	7.559	35	6.950
16	9.870	21	8.915	26	8.113	31	7.430	36	6.837
17	9.665	22	8.743	27	7.968	32	7.305	37	6.727
18	9.467	23	8.578	28	7.827	33	7.183	38	6.620
19	9.276	24	8.418	29	7.691	34	7.065	39	6.515

Parameter	Before Calibration	After Calibration	Time	Units
Barametric Pressure	758.4		0740	mmHg
Temperature (Saturated Air)	15.3	15.6	0740	C
Temperature (Calibration Solution)	22.5	22.8	0800	C
DO	10.33	9.91	0740	mg/L
pH 7	7.10	7.01	0748	SU
pH 4	4.03	4.00	0752	SU
pH 10	10.07	10.02	0756	SU
Specific Conductance	1.40	1.41	0744	mS/cm
ORP	240.5	291.0	0800	mV

Calibrations performed 0.02, 10, and 1,000 NTU	Calibrations accepted: <u>Yes</u> (circle one)	No
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FIELD INSTRUMENT CALIBRATION LOG

Project Name: WTC Delavan
 Project Number: 60655814
 Calibrated By: Mr. Ruckelshaus
 Signature: [Signature]

YSI 556 SN: 17L 103731
 Turbidity Meter Model/SN: 201809172
 Additional Equipment SN: _____
 Date: April 18, 2021

Operation Notes:

- 1) Turn meter on in Run mode and allow to warm up 10 to 15 minutes prior to calibration.
- 2) Observe DO % for 2-3 minutes when meter is initially turned on. The unit should display decreasing values until it is stabilized near 100%.
- 3) If the meter does not stabilize at/near 100%, indicates the DO sensor requires maintenance.

These values should be keyed in when calibrating a water quality meter. Be sure to use the temperature of the standards, not ambient temperature, and be sure the temperature sensor is submerged in the solution.

Temp. C	pH 4	pH 7	pH 10	Conductivity	ORP
5	4.00	7.07	10.19	896.00	257.00
10	4.00	7.06	10.16	1020.00	250.50
15	4.00	7.04	10.10	1147.00	244.00
20	4.00	7.02	10.05	1278.00	237.50
25	4.00	7.01	10.01	1413.00	231.00
30	4.00	6.99	9.96	1548.00	224.50

mm Hg = millimeters of mercury. Note that the YSI 556 uses this information ONLY when the DO calibration is being done. After calibration is complete it no longer corrects for pressure change. Verify the meter is correct for your altitude when calibrating.

Altitude feet (asl)	Pressure (mmHg)	Altitude feet (asl)	Pressure (mmHg)	Altitude feet (asl)	Pressure (mmHg)
0	760	1126	730	2290	699
278	752	1413	722	2587	692
558	745	1703	714	2887	684
841	737	1995	707	3190	676

Temp. C.	DO	Temp. C.	DO	Temp. C.	DO	Temp. C.	DO	Temp. C.	DO
15	10.084	20	9.092	25	8.263	30	7.559	35	6.950
16	9.870	21	8.915	26	8.113	31	7.430	36	6.837
17	9.665	22	8.743	27	7.968	32	7.305	37	6.727
18	9.467	23	8.578	28	7.827	33	7.183	38	6.620
19	9.276	24	8.418	29	7.691	34	7.065	39	6.515

YSI 556 Calibration				
Parameter	Before Calibration	After Calibration	Time	Units
Barometric Pressure	758.6		0742	mmHg
Temperature (Saturated Air)	13.6			C
Temperature (Calibration Solution)	15.9			C
DO	10.09	10.08		mg/L
pH 7	7.04	7.04	0743	SU
pH 4	4.01	4.00	0745	SU
pH 10	10.08	10.09	0747	SU
Specific Conductance	1.15	1.143	0750	mS/cm
ORP	246.0	245.0	0752	mV

MicroTPW Calibration	
Calibrations performed 0.02, 10, and 1,000 NTU	Calibrations accepted: <u>Yes</u> (circle one) <u>No</u> <u>MR</u>

FIELD INSTRUMENT CALIBRATION LOG

Project Name: WTC Delavan
 Project Number: 174103732
 Calibrated By: Randy Mingo
 Signature: Randy Mingo

YSI 556 SN: 201717069
 Turbidity Meter Model/SN: 9-14-2021
 Additional Equipment SN:
 Date: 9-14-2021

Operation Notes:

- 1) Turn meter on in Run mode and allow to warm up 10 to 15 minutes prior to calibration.
- 2) Observe DO % for 2-3 minutes when meter is initially turned on. The unit should display decreasing values until it is stabilized near 100%.
- 3) If the meter does not stabilize at/near 100%, indicates the DO sensor requires maintenance.

These values should be keyed in when calibrating a water quality meter. Be sure to use the temperature of the standards, not ambient temperature, and be sure the temperature sensor is submerged in the solution.

Temp. C	pH 4	pH 7	pH 10	Conductivity	ORP
5	4.00	7.07	10.19	896.00	257.00
10	4.00	7.06	10.16	1020.00	250.50
15	4.00	7.04	10.10	1147.00	244.00
20	4.00	7.02	10.05	1278.00	237.50
25	4.00	7.01	10.01	1413.00	231.00
30	4.00	6.99	9.96	1548.00	224.50

mm Hg = millimeters of mercury. Note that the YSI 556 uses this information ONLY when the DO calibration is being done. After calibration is complete it no longer corrects for pressure change. Verify the meter is correct for your altitude when calibrating.

Altitude feet (asl)	Pressure (mmHg)	Altitude feet (asl)	Pressure (mmHg)	Altitude feet (asl)	Pressure (mmHg)
0	760	1126	730	2290	699
278	752	1413	722	2587	692
558	745	1703	714	2887	684
841	737	1995	707	3190	676

Temp C.	DO	Temp C.	DO	Temp C.	DO	Temp C.	DO	Temp C.	DO
15	10.084	20	9.092	25	8.263	30	7.559	35	6.950
16	9.870	21	8.915	26	8.113	31	7.430	36	6.837
17	9.665	22	8.743	27	7.968	32	7.305	37	6.727
18	9.467	23	8.578	28	7.827	33	7.183	38	6.620
19	9.276	24	8.418	29	7.691	34	7.065	39	6.515

Parameter	Before Calibration	After Calibration	Time	Units
Barametric Pressure	759.6		0930	mmHg
Temperature (Saturated Air)	16.3	16.5	0930	C
Temperature (Calibration Solution)	19.1	19.4	0930	C
DO	10.36	9.76	0930	mg/L
pH 7	7.14	7.02	0938	SU
pH 4	4.00	4.00	0942	SU
pH 10	10.06	10.05	0946	SU
Specific Conductance	1.41	1.28	0934	mS/cm
ORP	234.2	237.5	0950	mV

Calibrations performed 0.02, 10, and 1,000 NTU	Calibrations accepted: <u>Yes</u> No
	(circle one)

FIELD INSTRUMENT CALIBRATION LOG

Project Name: WTC Delaware
 Project Number: 60655814
 Calibrated By: M. J. Schmitt
 Signature: [Signature]

YSI 556 SN: 17L103731
 Turbidity Meter Model/SN: 201809172
 Additional Equipment SN:
 Date: Apr 14, 2021

Operation Notes:

- 1) Turn meter on in Run mode and allow to warm up 10 to 15 minutes prior to calibration.
- 2) Observe DO % for 2-3 minutes when meter is initially turned on. The unit should display decreasing values until it is stabilized near 100%.
- 3) If the meter does not stabilize at/near 100%, indicates the DO sensor requires maintenance.

These values should be keyed in when calibrating a water quality meter. Be sure to use the temperature of the standards, not ambient temperature, and be sure the temperature sensor is submerged in the solution.

Temp. C	pH 4	pH 7	pH 10	Conductivity	ORP
5	4.00	7.07	10.19	896.00	257.00
10	4.00	7.06	10.16	1020.00	250.50
15	4.00	7.04	10.10	1147.00	244.00
20	4.00	7.02	10.05	1278.00	237.50
25	4.00	7.01	10.01	1413.00	231.00
30	4.00	6.99	9.96	1548.00	224.50

mm Hg = millimeters of mercury. Note that the YSI 556 uses this information ONLY when the DO calibration is being done. After calibration is complete it no longer corrects for pressure change. Verify the meter is correct for your altitude when calibrating.

Altitude feet (asl)	Pressure (mmHg)	Altitude feet (asl)	Pressure (mmHg)	Altitude feet (asl)	Pressure (mmHg)
0	760	1126	730	2290	699
278	752	1413	722	2587	692
558	745	1703	714	2887	684
841	737	1995	707	3190	676

Temp C.	DO	Temp C.	DO	Temp C.	DO	Temp C.	DO	Temp C.	DO
15	10.084	20	9.092	25	8.263	30	7.559	35	6.950
16	9.870	21	8.915	26	8.113	31	7.430	36	6.837
17	9.665	22	8.743	27	7.968	32	7.305	37	6.727
18	9.467	23	8.578	28	7.827	33	7.183	38	6.620
19	9.276	24	8.418	29	7.691	34	7.065	39	6.515

Parameter	Before Calibration	After Calibration	Time	Units
Barometric Pressure	759.3		0750	mmHg
Temperature (Saturated Air)	14.8°	16.7°	0756	C
Temperature (Calibration Solution)	19.0°	19.8°	0805	C
DO	10.48	10.33	0804	mg/L
pH 7	7.08	7.06	0757	SU
pH 4	4.03	4.01	0800	SU
pH 10	10.05	10.05	0802	SU
Specific Conductance	1.25	1.16	0752	mS/cm
ORP	241.7	244.1	0803	mV

Calibrations performed 0.02, 10, and 1,000 NTU	Calibrations accepted: <u>Yes</u> (circle one) No
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YSI 556 MPS / Water Quality Calibration Certificate

AECOM

Cal Standard Temp, LAB, C : 22.7 Temp, FIELD, C :

Conductivity	Lot #	Expiration	Post-Cal, LAB	Post-Cal, FIELD	Acceptable Range
1413 UMHO/CM @ 25°C	7810246	9/20	1.29		(+/- .5%)

PH 4.00	Lot #	Expiration	Post-Cal, LAB	Post-Cal, FIELD	Acceptable Range
@ 25°C	7809359	10/20	4.01		(+/- 0.2 units)

PH 7.01	Lot #	Expiration	Post-Cal, LAB	Post-Cal, FIELD	Acceptable Range
@ 25°C	7809236	9/20	7.15		(+/- 0.2 units)

PH 10.01	Lot #	Expiration	Post-Cal, LAB	Post-Cal, FIELD	Acceptable Range
@ 25°C	7809248	9/20	10.02		(+/- 0.2 units)

ORP ZOBELLS	Lot #	Expiration	Post-Cal, LAB	Post-Cal, FIELD	Acceptable Range
231.0 MV @ 25°C	7811585	2/19	237.5		(+/- 20 MV)

Dissolved Oxygen (Saturated Air)	Post-Cal, LAB	Temp, C	% Saturation	mg/L	Acceptable Range (+/- 2%) / (+/- 2%)
		23.9	96.7	8.15	
	Post-Cal, FIELD	Temp, C	% Saturation	mg/L	

New DO Membrane

☒ Yes ☐ No

Do Cap Color

☐ Black ☒ Blue ☒ Yellow

Model 556 S/N 3732 Cable N/A

Calibration referenced to the temperature of the calibration standards.

Turbidity	Lot #	Expiration	Post-Cal, LAB	Post-Cal, FIELD	Acceptable Range
.02 NTU	2001146	JAN-22	0.02		(.0196 to .0204)
10 NTU	91102	MAR-24	9.93		(9.8 to 10.2)
1000 NTU	2001149	JAN-22	998.4		(970 to 1031)

Model Micro TPW S/N 201712069

Calibrated By Eric Olson Date of Calibration 4-9-21

Project Name UTC DeLOVAY Project number 60601883

Signed: 

WATER LEVEL DATA SUMMARY

PROJECT: UTC Delavan Spray Technologies Site

JOB NUMBER:

60655814.1a

LOCATION: Bamberg, South Carolina

DATE:

April 12, 2021

CLIENT: UTC

MEASURED BY:

R. Morgan / M. Rockwell

SURVEY DATUM:

MEASURING DEVICE:

Electronic Water Level Indicator

MEASUREMENT POINT IDENTIFICATION	TOC ELEVATION (FT MSL)	DEPTH TO BOTTOM OF WELL (FT BTOC)	POINT OF MEASURE	DEPTH TO WATER (FT BTOC)	COMMENTS
MW-1			TOC	11.57	
MW-2			TOC	10.61	
MW-3			TOC	13.22	
MW-3D			TOC	13.90	
MW-3DI			TOC	13.69	
MW-4			TOC	6.99	
MW-5			TOC	7.73	
MW-6			TOC	5.16	
MW-7			TOC	13.37	
MW-8			TOC	10.60	
MW-9			TOC	5.58	
MW-9D			TOC	9.37	
MW-10			TOC	4.55	
MW-10D			TOC	7.21	
MW-11			TOC	7.12	
MW-12D			TOC	13.44	
MW-13D			TOC	12.21	
MW-14			TOC	11.20	
MW-14D			TOC	12.87	
MW-15			TOC	3.37	
MW-15D			TOC	2.06	
MW-15DI			TOC	2.20	
MW-16			TOC	3.25	
MW-16D			TOC	4.94	
MW-17			TOC	10.00	MW-17 = 3.18
MW-18			TOC	3.18	MW-18 = 10.00

Notes:

BTOC - Below Top of Casing

MSL - Mean Sea Level

TOC - Top of Casing

LLMH - Lower Lip of Man Hole

WATER LEVEL DATA SUMMARY

PROJECT: UTC Delavan Spray Technologies Site

JOB NUMBER: ~~60570112-01~~

LOCATION: Bamberg, South Carolina

DATE: April 12, 2021

CLIENT: UTC

MEASURED BY: Randy Morgan / M. R. Delavan

SURVEY DATUM:

MEASURING DEVICE: Electronic Water Level Indicator

MEASUREMENT POINT IDENTIFICATION	TOC ELEVATION (FT MSL)	DEPTH TO BOTTOM OF WELL (FT BTOC)	POINT OF MEASURE	DEPTH TO WATER (FT BTOC)	COMMENTS
MW-19			TOC	11.80	
MW-20			TOC	11.50	
MW-21			TOC	12.13	
MW-21D			TOC	12.69	
MW-22D			TOC	12.11	
MW-23D			TOC	10.10 (MR) MW-23D = 13.93	
MW-24			TOC	13.38	
MW-25D			TOC	5.50	
MW-26D			TOC	10.16	
MW-27			TOC	7.79	
MW-28			TOC	12.52	
MW-29			TOC	6.73	
MW-30D			TOC	8.93	MW-30D = 5.90
MW-31D			TOC	5.10	MW-31D = 8.93
MW-32DR			TOC	6.76	
MW-33D			TOC	13.00	
MW-34D			TOC	13.83	
MW-35D			TOC	11.85	
MW-36D			TOC	2.46	
MW-37			TOC	11.49	* need flathard and 3/4" connector

Notes:

BTOC - Below Top of Casing

MSL - Mean Sea Level

TOC - Top of Casing

LLMH - Lower Lip of Man Hole

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr) April 13, 2021

Field Personnel Mariah Rockwell

Site Name UTC Delavan Spray Technologies Site

AECOM Job # 60314964

Sample ID* MW-1

Upgradient clear-sunny Downgradient 85° Sidegradient X Source X

Weather Conditions clear-sunny

Air Temperature 85° °F

Total Well Depth (TWD) = 18.00 1/100 ft

Depth to Ground Water (DGW) = 11.57 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 6.43 1/100 ft

1 Casing Volume (OCV)* = LWC x 0.163 = 1.06 gal

3 Casing Volumes = 3.18 gal = Standard Evacuation Volume

Method of Sample Evacuation Purge with Peristaltic Pump

Method of Sample Collection Peristaltic Pump Reverse Flow for VOC'S

Total Volume of Water Removed 3.18 gal

Casing Diameter 2.0 inches

Casing Material PVC

Measuring Point Elevation 147.56 1/100 ft

Height of Riser (above land surface) -0.37 1/100 ft

Land Surface Elevation 147.19 1/100 ft

Screened Interval 3 - 18 1/100 ft

Dedicated Pump or Bailor X YES X NO X Type tubing

Steel Guard Pipe Around Casing YES YES X NO X

Locking Cap YES YES X NO X

Protective Post/Abutment YES YES X NO X

Well Integrity Satisfactory YES YES X NO X

Yield LOW X MODERATE HIGH X

Comments/Observations @ 1600

Sample Time: VOC

Sample Analytes: VOC

Check Fe Kit: no

* no bolts
* filled w/ sand
clean out/prevent
from falling in well

* - One casing volume (gallons) for a 0.5 inch well is 0.0102X LWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.

Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

FIELD ANALYSES

VOLUME PURGED (gallons)	Initial	0.25	0.75	1.0	1.30	1.70	2.15		
TIME (Military)	1525	1530	1535	1540	1545	1550	1555		
Water Level (ft BTOW)	11.80	11.91	12.09	12.26	12.47	12.61	12.69		
pH (S.U.)	4.95	5.00	5.01	5.05	5.00	5.00	5.01		
Sp. Cond. (mS/cm)	0.031	0.032	0.032	0.032	0.032	0.032	0.032		
Water Temp. (°C)	21.8	22.5	22.7	22.6	22.3	22.3	22.4		
Turbidity (NTUs)	28.14	25.51	99.31	92.24	52.09	51.73	49.95		
DO - (mg/L)	3.70	3.83	3.63	3.56	5.45	5.53	5.50		
Salinity (ppt)	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
ORP (mV)	299.8	301.2	297.0	293.6	294.4	292.0	290.8		

COMMENTS/OBSERVATIONS

Began purging at

Purging rate:

ml/min

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Date (mo/day/yr)	April 14, 2021		
Field Personnel	Michele Rockwell		
Site Name	UTC Delavan Spray Technologies Site		
AECOM Job #	60314964		
Sample ID*	MW-2		
Upgradient	X	Downgradient	Sidegradient
Weather Conditions	clear - sunny		
Air Temperature	56.1	° F	
Total Well Depth (TWD) =	18.00	1/100 ft	
Depth to Ground Water (DGW) =	10.61	1/100 ft	
Length of Water Column (LWC) = TWD - DGW =		1/100 ft	
1 Casing Volume (OCV)* = LWC x	0.163	gal	
3 Casing Volumes =		gal = Standard Evacuation Volume	
Method of Sample Evacuation	Purge with Peristaltic Pump		
Method of Sample Collection	Peristaltic Pump Reverse Flow for VOC'S		
Total Volume of Water Removed	gal		

Casing Diameter	2.0	inches
Casing Material	PVC	
Measuring Point Elevation	147.63	1/100 ft
Height of Riser (above land surface)	-0.18	1/100 ft
Land Surface Elevation	147.81	1/100 ft
Screened Interval	3 - 18	1/100 ft
Dedicated Pump or Bailor	YES	NO
Steel Guard Pipe Around Casing	YES	NO
Locking Cap	YES	NO
Protective Post/Abutment	YES	NO
Well Integrity Satisfactory	YES	NO
Yield	LOW	MODERATE
Comments/Observations	Type tubing	
Sample Time:	0840	
Sample Analytes:	VOC	

* - One casing volume (gallons) for a 0.5 inch well is 0.0102XLWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.

Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

VOLUME PURGED (gallons)		FIELD ANALYSES									
TIME (Military)	Initial	0.25	0.50	0.90	1.20	1.60					
Water Level (ft BTOW)	0810	0815	0820	0825	0830	0835					
pH (S.U.)	10.79	10.86	10.80	10.80	10.80	10.80					
Sp. Cond. (mS/cm)	5.63	5.62	5.61	5.66	5.67	5.69					
Water Temp. (°C)	0.039	0.040	0.038	0.033	0.031	0.031					
Turbidity (NTUs)	17.8	18.7	19.1	19.2	19.3	19.3					
DO - (mg/L)	10.64	9.41	9.60	4.54	5.40	3.57					
Salinity (ppt)	4.10	3.28	2.89	2.80	2.94	2.92					
ORP (mV)	0.02	0.02	0.02	0.01	0.01	0.01					
	243.6	291.1	307.6	315.6	319.9	322.4					

COMMENTS/OBSERVATIONS

Began purging at

Purging rate:

ml/min

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr)	<u>April 23, 2021</u>		
Field Personnel	<u>Randy Perry</u>		
Site Name	<u>UTC Delavan Spray Technologies Site</u>		
AECOM Job #	<u>60314964</u>		
Sample ID*	<u>MW-3</u>		
Weather Conditions	Upgradient	X	Downgradient
Air Temperature	<u>70.5</u> °F		
Total Well Depth (TWD) =	<u>18.00</u> 1/100 ft		
Depth to Ground Water (DGW) =	<u>13.32</u> 1/100 ft		
Length of Water Column (LWC) = TWD - DGW =	<u>4.68</u> 1/100 ft		
1 Casing Volume (OCV)* = LWC x	<u>0.163</u> gal		
3 Casing Volumes =	<u>2.28</u> gal = Standard Evacuation Volume		
Method of Sample Evacuation	<u>Purge with Peristaltic Pump</u>		
Method of Sample Collection	<u>Peristaltic Pump Reverse Flow for VOC's</u>		
Total Volume of Water Removed	<u>1.75</u> gal		

Casing Diameter	<u>2.0</u> inches	
Casing Material	<u>PVC</u>	
Measuring Point Elevation	<u>148.11</u> 1/100 ft	
Height of Riser (above land surface)	<u>-0.23</u> 1/100 ft	
Land Surface Elevation	<u>148.34</u> 1/100 ft	
Screened Interval	<u>3 - 18</u> 1/100 ft	
Dedicated Pump or Bailor	<u>X</u> YES	<u>NO</u> NO
Steel Guard Pipe Around Casing	<u>X</u> YES	<u>NO</u> NO
Locking Cap	<u>X</u> YES	<u>NO</u> NO
Protective Post/Abutment	<u>YES</u> YES	<u>NO</u> NO
Well Integrity Satisfactory	<u>X</u> YES	<u>NO</u> NO
Yield	<u>LOW</u> LOW	<u>MODERATE</u> MODERATE
Comments/Observations	<u>17408</u>	
Sample Time:	<u>1700</u>	
Sample Analytes:	<u>1700</u>	
Hack Fe Kit:	<u>1700</u> mg/L	

* - One casing volume (gallons) for a 0.5 inch well is 0.0102XLWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.

Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

FIELD ANALYSES		FIELD ANALYSES	
Initial	Final	Initial	Final
1340	0.35	1.40	1.75
1338	1.345	1.40	1.405
1335	1.340	1.40	1.340
5.35	1.40	4.66	4.68
0.025	0.025	0.024	0.023
21.6	21.9	21.6	21.6
12.42	10.35	5.52	6.65
4.66	4.32	4.59	4.62
9.01	0.01	0.01	0.01
164.3	167.9	172.0	171.1

COMMENTS/OBSERVATIONS

Began purging at

Purging rate: ml/min

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr) April 13, 2021
 Field Personnel Randy Morgan
 Site Name UTC Delavan Spray Technologies Site
 AECOM Job # 60314964
 Sample ID* MW-3D
 Upgradient X Downgradient Clear / Sunny Sidegradient Source
 Weather Conditions Clear / Sunny
 Air Temperature 70.5 ° F
 Total Well Depth (TWD) = 49.00 1/100 ft
 Depth to Ground Water (DGW) = 13.98 1/100 ft
 Length of Water Column (LWC) = TWD - DGW = 35.02 1/100 ft
 1 Casing Volume (OCV)* = LWC x 0.163 gal
 3 Casing Volumes = 17.12 gal = Standard Evacuation Volume
 Method of Sample Evacuation Purge with Peristaltic Pump
 Method of Sample Collection Peristaltic Pump Reverse Flow for VOC'S
 Total Volume of Water Removed 2.10 gal

Casing Diameter 2.0 inches
 Casing Material PVC
 Measuring Point Elevation 148.12 1/100 ft
 Height of Riser (above land surface) -0.16 1/100 ft
 Land Surface Elevation 148.28 1/100 ft
 Screened Interval 44 - 49 1/100 ft
 Dedicated Pump or Bailer YES YES NO NO Type Handing
 Steel Guard Pipe Around Casing YES YES NO NO
 Locking Cap YES YES NO NO
 Protective Post/Abutment YES YES NO NO
 Well Integrity Satisfactory YES YES NO NO
 Yield LOW MODERATE HIGH X
 Comments/Observations 13.98
 Sample Time: 13:18
 Sample Analytes: VOC'S MS/MSD
 Hack Fe Kit: NA mg/L

* - One casing volume (gallons) for a 0.5 inch well is 0.0102XLWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.

Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

FIELD ANALYSES									
VOLUME PURGED (gallons)	Initial	0.35	0.70	1.05	1.40	1.75	2.10		
TIME (Military)	12:45	12:50	12:55	13:00	13:05	13:10	13:15		
Water Level (ft BTOC)	13.98	13.98	13.98	13.98	13.98	13.98	13.98		
pH (S.U.)	8.4	7.79	7.66	7.59	7.58	7.56	7.51		
Sp. Cond. (mS/cm)	0.261	0.262	0.263	0.263	0.264	0.264	0.268		
Water Temp. (°C)	23.2	22.2	22.5	22.4	22.5	22.6	22.5		
Turbidity (NTUs)	18.67	25.94	14.09	13.52	14.11	13.17	13.89		
DO - (mg/L)	2.75	2.28	2.21	2.10	2.01	2.10	2.03		
Salinity (ppt)	0.12	0.12	0.12	0.12	0.12	0.12	0.13		
ORP (mV)	44.4	55.6	32.9	34.8	32.0	30.7	29.8		

COMMENTS/OBSERVATIONS Began purging at 13:18 Purging rate: ml/min



Casing Diameter	2.0	inches
Casing Material	PVC	
Measuring Point Elevation	145.66	1/100 ft
Height of Riser (above land surface)	-0.29	1/100 ft
Land Surface Elevation	145.95	1/100 ft
Screened Interval	5 - 20	1/100 ft
Dedicated Pump or Bailor	YES ☒ NO ☒	Type <i>Leaky</i>
Steel Guard Pipe Around Casing	YES ☒ NO ☒	
Locking Cap	YES ☒ NO ☒	
Protective Post/Abutment	YES ☒ NO ☒	
Well Integrity Satisfactory	YES ☒ NO ☒	
Yield	LOW ☒ MODERATE ☒ HIGH ☒	
Comments/Observations		
Sample Time:	1050	
Sample Analytes:	VOCs	
Hack Fe Kit:	NA mg/L	

* - One casing volume (gallons) for a 0.5 inch well is 0.0102X LWC; for a 2 inch well is 0.652 X LWC; for a 4 inch well is 1.468 X LWC.

Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

	FIELD ANALYSES									
VOLUME PURGED (gallons)	Initial	0-33	0-70	1-05	1-40	1-75				
TIME (Military)	1023	1028	1033	1038	1043	1048				
Water Level (ft BTOC)	19.87	11.05	11.15	11.23	11.27	11.30				
pH (S. U.)	4.60	4.60	4.62	4.61	4.59	4.60				
Sp. Cond. (mS/cm)	0.057	0.058	0.066	0.067	0.065	0.064				
Water Temp. (°C)	21.0	21.1	21.2	21.2	21.3	21.4				
Turbidity (NTUs)	7.00	4.68	5.78	4.88	3.39	4.56				
DO - (mg/L)	2.05	2.19	2.30	2.43	2.66	2.89				
Salinity (ppt)	0.03	0.03	0.03	0.03	0.03	0.03				
ORP (mV)	179.3	161.2	154.5	150.9	148.7	146.1				

COMMENTS/OBSERVATIONS	Began purging at <i>AH</i>	Purging rate:	ml/min

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr)	<u>April 13, 2001</u>		
Field Personnel	<u>Randy Morgan</u>		
Site Name	<u>UTC Delavan Spray Technologies Site</u>		
AECOM Job #	<u>60314964</u>		
Sample ID*	<u>MW-9</u>		
Weather Conditions	<u>Clear Sunny</u>	Upgradient	Sidegradient
Air Temperature			Source
Total Well Depth (TWD) =	<u>20.00</u>		
Depth to Ground Water (DGW) =	<u>5.75</u>		
Length of Water Column (LWC) = TWD - DGW =	<u>14.25</u>		
1 Casing Volume (OCV)* = LWC x	<u>0.163</u>		
3 Casing Volumes =	<u>0.496</u>	gal = Standard Evacuation Volume	
Method of Sample Evacuation	<u>Purge with Peristaltic Pump</u>		
Method of Sample Collection	<u>Peristaltic Pump Reverse Flow for VOC'S</u>		
Total Volume of Water Removed	<u>1.75</u> gal		

Casing Diameter	<u>2.0</u>	inches
Casing Material	<u>PVC</u>	
Measuring Point Elevation	<u>143.89</u>	1/100 ft
Height of Riser (above land surface)	<u>-0.22</u>	1/100 ft
Land Surface Elevation	<u>144.11</u>	1/100 ft
Screened Interval	<u>5</u>	20
Dedicated Pump or Bailor	<u>YES</u>	NO
Steel Guard Pipe Around Casing	<u>YES</u>	NO
Locking Cap	<u>YES</u>	NO
Protective Post/Abutment	<u>YES</u>	NO
Well Integrity Satisfactory	<u>YES</u>	NO
Yield	<u>LOW</u>	MODERATE
Comments/Observations	<u>MS/MSD</u>	
Sample Time:	<u>09:55</u>	
Sample Analytes:	<u>VOC'S</u>	
Hack Fe Kit:	<u>NA</u> mg/L	

* - One casing volume (gallons) for a 0.5 inch well is 0.0102XLWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.

Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

FIELD ANALYSES									
Initial	0.25	0.70	1.05	1.40	1.75				
VOLUME PURGED (gallons)	0.25	0.70	1.05	1.40	1.75				
TIME (Military)	0928	0933	0938	0943	0948				
Water Level (ft BTOW)	6.05	6.15	6.23	6.32	6.35				
pH (S.U.)	5.54	4.63	4.45	4.41	4.42				
Sp. Cond. (mS/cm)	0.036	0.035	0.035	0.034	0.034				
Water Temp. (°C)	16.0	16.3	16.4	16.6	17.0				
Turbidity (NTUs)	25.04	16.87	19.60	16.83	15.37				
DO - (mg/L)	2.89	1.84	1.64	1.69	1.92				
Salinity (ppt)	0.02	0.02	0.02	0.01	0.01				
ORP (mV)	173.6	177.3	181.4	185.9	185.0				

COMMENTS/OBSERVATIONS

Began purging at

Purging rate:

ml/min

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr)	April 13, 2021		
Field Personnel	Randy Morgan		
Site Name	UTC Delavan Spray Technologies Site		
AECOM Job #	60314964		
Sample ID*	MW-10	Sidegradient	Source
Weather Conditions	Upgradient	X	Downgradient
Air Temperature	clear Sunny	56.5	° F
Total Well Depth (TWD) =	18.00		1/100 ft
Depth to Ground Water (DGW) =	4.78		1/100 ft
Length of Water Column (LWC) = TWD - DGW =	13.22		1/100 ft
1 Casing Volume (OCV)* = LWC x	0.163		gal
3 Casing Volumes =	6.45		gal = Standard Evacuation Volume
Method of Sample Evacuation	Purge with Peristaltic Pump		
Method of Sample Collection	Peristaltic Pump Reverse Flow for VOC's		
Total Volume of Water Removed	1.50		gal

* - One casing volume (gallons) for a 0.5 inch well is 0.0102X LWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.

Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

Casing Diameter	2.0	inches
Casing Material	PVC	
Measuring Point Elevation	142.19	1/100 ft
Height of Riser (above land surface)	-0.37	1/100 ft
Land Surface Elevation	142.56	1/100 ft
Screened Interval	3 - 18	1/100 ft
Dedicated Pump or Bailor	YES	NO
Steel Guard Pipe Around Casing	YES	NO
Locking Cap	YES	NO
Protective Post/Abutment	YES	NO
Well Integrity Satisfactory	YES	NO
Yield	LOW	MODERATE
Comments/Observations	fubing	
Sample Time:	0833	
Sample Analytes:	VOC's	
Hack Fe Kit:	N/A mg/L	

	FIELD ANALYSES									
	Initial	.30	.60	.90	1.20	1.50				
VOLUME PURGED (gallons)	0.805	0.810	0.815	0.820	0.825	0.830				
TIME (Military)	4:58	4:44	4:45	4:46	4:47	4:48				
Water Level (ft BTOC)	5.75	4.47	4.58	4.57	4.56	4.56				
pH (S.U.)	0.047	0.030	0.028	0.028	0.029	0.027				
Sp. Cond. (mS/cm)	14.5	14.9	15.0	15.0	15.1	15.2				
Water Temp. (°C)	12.72	12.94	8.21	7.30	7.43	7.58				
Turbidity (NTUs)	0.66	0.24	0.44	0.77	0.68	0.88				
DO - (mg/L)	0.02	0.01	0.01	0.01	0.01	0.01				
Salinity (ppt)	200.9	201.2	186.0	177.0	169.9	166.0				
ORP (mV)										

COMMENTS/OBSERVATIONS Began purging at NA Purging rate: ml/min

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr)	<u>April 13, 2021</u>		
Field Personnel	<u>Randy Morgan</u>		
Site Name	<u>UTC Delavan Spray Technologies Site</u>		
AECOM Job #	<u>60314964</u>		
Sample ID*	<u>MW-10D</u>		
Upgradient	<u>X</u>	Downgradient	Sidegradient
Weather Conditions	<u>Clear / Sunny</u>		
Air Temperature	<u>50.5</u> °F		
Total Well Depth (TWD) =	<u>48.00</u> 1/100 ft		
Depth to Ground Water (DGW) =	<u>7.29</u> 1/100 ft		
Length of Water Column (LWC) = TWD - DGW =	<u>40.73</u> 1/100 ft		
1 Casing Volume (OCV)* = LWC x	<u>0.163</u>	gal	
3 Casing Volumes =	<u>19.91</u>	gal = Standard Evacuation Volume	
Method of Sample Evacuation	<u>Purge with Peristaltic Pump</u>		
Method of Sample Collection	<u>Peristaltic Pump Reverse Flow for VOC's</u>		
Total Volume of Water Removed	<u>1.75</u>	gal	

Casing Diameter	<u>2.0</u>		inches
Casing Material	<u>PVC</u>		
Measuring Point Elevation	<u>141.79</u>		1/100 ft
Height of Riser (above land surface)	<u>-0.29</u>		1/100 ft
Land Surface Elevation	<u>142.08</u>		1/100 ft
Screened Interval	<u>43</u>	<u>48</u>	1/100 ft
Dedicated Pump or Bailor	<u>YES</u>	<u>NO</u>	Type <u>Subsiding</u>
Steel Guard Pipe Around Casing	<u>YES</u>	<u>NO</u>	
Locking Cap	<u>YES</u>	<u>NO</u>	
Protective Post/Abutment	<u>YES</u>	<u>NO</u>	
Well Integrity Satisfactory	<u>YES</u>	<u>NO</u>	
Yield	<u>LOW</u>	<u>MODERATE</u>	<u>HIGH</u>
Comments/Observations	<u>Sample Time: 0908</u>		
Sample Analytes:	<u>VOC's</u>		
Hack Fe Kit:	<u>NA</u> mg/L		

* - One casing volume (gallons) for a 0.5 inch well is 0.0102XLWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.

Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

FIELD ANALYSES									
Initial	0.35	0.70	1.05	1.40	1.75				
VOLUME PURGED (gallons)	0.840	0.850	0.855	0.900	0.905				
TIME (Military)	7.30	7.31	7.32	7.33	7.33				
Water Level (ft BTOC)	6.47	7.38	7.51	7.58	7.62				
pH (S.U.)	0.235	0.247	0.257	0.252	0.257				
Sp. Cond. (mS/cm)	15.4	16.4	16.9	17.1	17.2				
Water Temp. (°C)	6.34	7.24	8.08	7.89	7.08				
Turbidity (NTUs)	3.90	3.44	3.19	3.12	3.14				
DO - (mg/L)	0.11	0.12	0.12	0.12	0.12				
Salinity (ppt)	123.2	95.6	91.2	87.1	84.9				
ORP (mV)									

COMMENTS/OBSERVATIONS

Began purging at NA Purging rate: NA ml/min

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr)	April 13, 2021		
Field Personnel	Ready 1/10/21		
Site Name	UTC Delavan Spray Technologies Site		
AECOM Job #	60314964		
Sample ID*	MW-12D		
Weather Conditions	Upgradient	X	Downgradient
Air Temperature	clear Sunny 60s ° F		
Total Well Depth (TWD) =	50.00	1/100 ft	Source
Depth to Ground Water (DGW) =	136.2	1/100 ft	
Length of Water Column (LWC) = TWD - DGW =	36.38	1/100 ft	
1 Casing Volume (OCV)* = LWC x	0.163	gal	
3 Casing Volumes =	17.78	gal = Standard Evacuation Volume	
Method of Sample Evacuation	Purge with Peristaltic Pump		
Method of Sample Collection	Peristaltic Pump Reverse Flow for VOC's		
Total Volume of Water Removed	3.285 gal		

* - One casing volume (gallons) for a 0.5 inch well is 0.0102XLWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.

Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

FIELD ANALYSES		FIELD ANALYSES	
VOLUME PURGED (gallons)	Initial	VOLUME PURGED (gallons)	Initial
TIME (Military)	1103	1103	1103
Water Level (ft BTOW)	14.93	15.22	15.22
pH (S.U.)	11.21	10.45	9.92
Sp. Cond. (mS/cm)	0.60	0.343	0.257
Water Temp. (°C)	18.6	18.9	19.0
Turbidity (NTUs)	21.48	16.53	11.59
DO - (mg/L)	0.29	0.27	0.17
Salinity (ppt)	3.81	3.98	3.90
ORP (mV)	-16.4	-31.0	-10.5

Casing Diameter	2.0	inches
Casing Material	PVC	
Measuring Point Elevation	147.65	1/100 ft
Height of Riser (above land surface)	-0.21	1/100 ft
Land Surface Elevation	147.86	1/100 ft
Screened Interval	40 - 50	
Dedicated Pump or Bailor	YES	NO
Steel Guard Pipe Around Casing	YES	NO
Locking Cap	YES	NO
Protective Post/Abutment	YES	NO
Well Integrity Satisfactory	YES	NO
Yield	LOW	MODERATE
Comments/Observations	1200 VOCs	
Sample Time:	NA	
Sample Analytes:	mg/L	
Hack Fe Kit:	NA	

COMMENTS/OBSERVATIONS
 Began purging at NA Purging rate: ml/min
 Ph and Conductivity are high stabilize after 5 gals

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr)	<u>April 13, 2021</u>		
Field Personnel	<u>Randy McQueen</u>		
Site Name	<u>UTC Delavan Spray Technologies Site</u>		
AECOM Job #	<u>60314964</u>		
Sample ID*	<u>MW-13D</u>		
Upgradient	<u>X</u>	Downgradient	Source
Weather Conditions	<u>clear Sunny</u>		
Air Temperature	<u>80.5</u>	° F	
Total Well Depth (TWD) =	<u>50.00</u>	1/100 ft	
Depth to Ground Water (DGW) =	<u>12.25</u>	1/100 ft	
Length of Water Column (LWC) = TWD - DGW =	<u>37.75</u>	1/100 ft	
1 Casing Volume (OCV)* = LWC x	<u>0.163</u>	gal	
3 Casing Volumes =	<u>18.45</u>	gal = Standard Evacuation Volume	
Method of Sample Evacuation	<u>Purge with Peristaltic Pump</u>		
Method of Sample Collection	<u>Peristaltic Pump Reverse Flow for VOC's</u>		
Total Volume of Water Removed	<u>175</u>	gal	

Casing Diameter	<u>2.0</u>	inches
Casing Material	<u>PVC</u>	
Measuring Point Elevation	<u>146.23</u>	1/100 ft
Height of Riser (above land surface)	<u>-0.18</u>	1/100 ft
Land Surface Elevation	<u>146.41</u>	1/100 ft
Screened Interval	<u>40 - 50</u>	1/100 ft
Dedicated Pump or Bailor	<u>YES</u>	NO
Steel Guard Pipe Around Casing	<u>YES</u>	NO
Locking Cap	<u>YES</u>	NO
Protective Post/Abutment	<u>YES</u>	NO
Well Integrity Satisfactory	<u>YES</u>	NO
Yield	<u>LOW</u>	MODERATE
Comments/Observations	<u>1608</u>	
Sample Time:	<u>1608</u>	
Sample Analytes:	<u>VOC's</u>	
Hack Fe Kit:	<u>11A</u> mg/L	

* - One casing volume (gallons) for a 0.5 inch well is 0.0102XLWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.

Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

VOLUME PURGED (gallons)		FIELD ANALYSES									
TIME (Military)	Initial	0.35	0.70	1.05	1.40	1.75					
Water Level (ft BTOC)	15.40	15.45	15.50	15.55	16.00	16.05					
pH (S.U.)	12.20	12.26	12.26	12.26	12.26	12.26					
Sp. Cond. (mS/cm)	17.80	17.84	17.80	17.83	17.80	17.81					
Water Temp. (°C)	0.252	0.253	0.252	0.253	0.253	0.253					
Turbidity (NTUs)	1.98	2.00	2.00	2.00	1.99	2.00					
DO - (mg/L)	10.60	5.81	5.37	4.99	4.96	3.93					
Salinity (ppt)	3.43	3.12	3.18	3.12	3.13	3.19					
ORP (mV)	9.12	0.12	0.12	0.12	0.12	0.12					
	15.0	0.9	4.5	3.8	6.6	7.3					

COMMENTS/OBSERVATIONS

Began purging at 11A Purging rate: ml/min

Casing Diameter	2.0		inches
Casing Material	PVC		
Measuring Point Elevation	146.88		1/100 ft
Height of Riser (above land surface)	-0.23		1/100 ft
Land Surface Elevation	147.11		1/100 ft
Screened Interval	40	-	50
Dedicated Pump or Baller	YES	☒	NO
Steel Guard Pipe Around Casing	YES	☒	NO
Locking Cap	YES	☒	NO
Protective Post/Abutment	YES	☒	NO
Well Integrity Satisfactory	YES	☒	NO
Yield	LOW	MODERATE	HIGH
Comments/Observations	@ 1355 VOC		
Sample Time:			
Sample Analytes:			
Back Fe Kit:			

Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

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1-D FIELD ANALYSES

Initial	0.25	0.50	0.75	1.00	1.25	1.50
1325	1330	1335	1340	1345	1350	
12.94	12.94	12.94	12.94	12.94	12.94	
7.86	7.63	7.64	7.69	7.68	7.68	
0.222	0.232	0.234	0.232	0.233	0.233	
22.7	23.5	23.4	23.4	23.5	23.5	
10.85	2.58	3.27	4.24	3.19	2.56	
1.13	0.40	0.34	0.34	0.34	0.33	
0.11	0.11	0.11	0.11	0.11	0.11	
134.0	130.2	122.7	117.3	111.1	107.1	

ml/min

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr)	April 12 2021		
Field Personnel	Randy Marcy		
Site Name	UTC Delavan Spray Technologies Site		
AECOM Job #	60314964		
Sample ID*	MW-19		
Upgradient	Downgradient	Sidegradient	X Source
Weather Conditions			
Air Temperature	70's ° F		
Total Well Depth (TWD) =	20.15 1/100 ft		
Depth to Ground Water (DGW) =	12.09 1/100 ft		
Length of Water Column (LWC) = TWD - DGW =	8.06 1/100 ft		
1 Casing Volume (OCV)* = LWC x 0.041	= 0.33 gal		
3 Casing Volumes =	0.99 gal = Standard Evacuation Volume		
Method of Sample Evacuation	Purge with Peristaltic Pump		
Method of Sample Collection	Peristaltic Pump Reverse Flow for VOC'S		
Total Volume of Water Removed	1.0 gal		

Casing Diameter	1.0		inches
Casing Material	PVC		
Measuring Point Elevation	148.22		1/100 ft
Height of Riser (above land surface)	-0.25		1/100 ft
Land Surface Elevation	148.47		1/100 ft
Screened Interval	5 - 20		1/100 ft
Dedicated Pump or Bailor	YES	X NO	Type <u>Subing</u>
Steel Guard Pipe Around Casing	YES	X NO	
Locking Cap	YES	X NO	
Protective Post/Abutment	YES	X NO	
Well Integrity Satisfactory	YES	X NO	
Yield	LOW	X MODERATE	HIGH
Comments/Observations	Sample Time: <u>1723</u> Sample Analytes: <u>VOCS</u> Hack Fe Kit: <u>NA</u> mg/L		

* - One casing volume (gallons) for a 0.5 inch well is 0.0102XLWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.

Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

VOLUME PURGED (gallons)	FIELD ANALYSES									
	Initial	1.20	1.40	1.60	1.80	2.00	2.20	2.40	2.60	2.80
TIME (Military)	1655	1730	1745	1810	1825	1840	1855	1910	1925	1940
Water Level (ft BTWC)	12.20	12.32	12.40	12.45	12.55	12.55	12.55	12.55	12.55	12.55
pH (S.U.)	4.20	4.19	4.19	4.21	4.23	4.23	4.23	4.23	4.23	4.23
Sp. Cond. (mS/cm)	0.094	0.089	0.086	0.082	0.082	0.082	0.082	0.082	0.082	0.082
Water Temp. (°C)	21.9	21.9	21.9	22.0	21.8	21.9	21.9	21.9	21.9	21.9
Turbidity (NTUs)	57.29	21.33	10.19	10.26	10.60	10.29	10.29	10.29	10.29	10.29
DO - (mg/L)	1.79	1.54	1.41	1.43	1.54	1.46	1.46	1.46	1.46	1.46
Salinity (ppt)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
ORP (mV)	238.5	215.2	196.2	185.8	182.0	178.5	178.5	178.5	178.5	178.5

COMMENTS/OBSERVATIONS

Began purging at NA Purging rate: NA ml/min

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr)	April 12, 2021		
Field Personnel	Randy Morgan		
Site Name	UTC Delavan Spray Technologies Site		
AECOM Job #	60314964		
Sample ID*	MW-20		
Upgradient	Downgradient	Sidegradient	X Source
Weather Conditions			
Air Temperature	° F		
Total Well Depth (TWD) =	15.15		
Depth to Ground Water (DGW) =	4.30		
Length of Water Column (LWC) = TWD - DGW =	10.85		
1 Casing Volume (OCV)* = LWC x	0.041		
3 Casing Volumes =	1.33 gal = Standard Evacuation Volume		
Method of Sample Evacuation	Purge with Peristaltic Pump		
Method of Sample Collection	Peristaltic Pump Reverse Flow for VOC's		
Total Volume of Water Removed	1.0 gal		

Casing Diameter	1.0		inches
Casing Material	PVC		
Measuring Point Elevation	148.19		1/100 ft
Height of Riser (above land surface)	-0.31		1/100 ft
Land Surface Elevation	148.50		1/100 ft
Screened Interval	5 - 15		1/100 ft
Dedicated Pump or Bailor	YES	NO	Type
Steel Guard Pipe Around Casing	YES	NO	NO
Locking Cap	YES	NO	NO
Protective Post/Abutment	YES	NO	NO
Well Integrity Satisfactory	YES	NO	NO
Yield	LOW	MODERATE	HIGH
Comments/Observations	1805		
Sample Time:	1805		
Sample Analytes:	VOCs		
Hack Fe Kit:	NA mg/L		

* - One casing volume (gallons) for a 0.5 inch well is 0.0102XLWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.

Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

FIELD ANALYSES									
Initial	.20	.40	.60	.80	1.0				
VOLUME PURGED (gallons)	17.38	19.43	17.48	17.53	18.03				
TIME (Military)	11.42	12.10	12.18	12.23	12.30				
Water Level (ft BTOC)	4.38	4.35	4.33	4.34	4.41				
pH (S.U.)	0.044	0.041	0.039	0.039	0.038				
Sp. Cond. (mS/cm)	21.4	21.4	21.1	21.2	21.3				
Water Temp. (°C)	23.84	7.47	4.78	4.72	4.82				
Turbidity (NTUs)	6.23	5.34	5.35	5.29	5.09				
DO - (mg/L)	0.02	0.02	0.02	0.02	0.02				
Salinity (ppt)	215.1	204.2	201.0	202.0	199.8				
ORP (mV)									

COMMENTS/OBSERVATIONS

Began purging at NA

Purging rate: ml/min

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page of

Date (m/d/yr)	<u>April 14, 2021</u>		
Field Personnel	<u>Randy Morgan</u>		
Site Name	UTC Delavan Spray Technologies Site		
AECOM Job #	60314964		
Sample ID*	MW-21		
Upgradient	Downgradient	Sidegradient	X Source
Weather Conditions	<u>Clear Sunny</u>		
Air Temperature	<u>50.5</u> ° F		
Total Well Depth (TWD) =	34.40 1/100 ft		
Depth to Ground Water (DGW) =	<u>12.82</u> 1/100 ft		
Length of Water Column (LWC) = TWD - DGW =	1/100 ft		
1 Casing Volume (OCV)* = LWC x 0.163	gal		
3 Casing Volumes =	gal = Standard Evacuation Volume		
Method of Sample Evacuation	Purge with Peristaltic Pump		
Method of Sample Collection	Peristaltic Pump Reverse Flow for VOC'S		
Total Volume of Water Removed	gal		

Casing Diameter	2.0		inches
Casing Material	PVC		
Measuring Point Elevation	147.97		1/100 ft
Height of Riser (above land surface)	-0.20		1/100 ft
Land Surface Elevation	148.17		1/100 ft
Screened Interval	19	34	1/100 ft
Dedicated Pump or Bailor	YES	NO	Type <u>Fubing</u>
Steel Guard Pipe Around Casing	YES	NO	
Locking Cap	YES	NO	
Protective Post/Abutment	YES	NO	
Well Integrity Satisfactory	YES	NO	
Yield	LOW	MODERATE	HIGH X
Comments/Observations	<u>Sample Time: 0908</u>		
Sample Analytes:	<u>VOCs</u>		
Hack Fe Kit:	<u>NA</u> mg/L		

* - One casing volume (gallons) for a 0.5 inch well is 0.102XLWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.

Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

VOLUME PURGED (gallons)		FIELD ANALYSES	
TIME (Military)	Initial	0.33	0.70
Water Level (ft BTOC)	0.870	0.845	0.850
pH (S.U.)	12.82	13.29	13.80
Sp. Cond. (mS/cm)	6.03	5.81	4.86
Water Temp. (°C)	0.029	0.024	0.019
Turbidity (NTUs)	19.5	19.6	14.7
DO - (mg/L)	24.37	12.11	7.89
Salinity (ppt)	0.94	0.53	0.18
ORP (mV)	0.01	0.01	0.01
	167.2	179.4	192.8
			186.0
			177.5

COMMENTS/OBSERVATIONS

Began purging at NA Purging rate: ml/min

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr)	<u>April 14-2021</u>		
Field Personnel	<u>Randy Mayo</u>		
Site Name	UTC Delavan Spray Technologies Site		
AECOM Job #	60314964		
Sample ID*	MW-21D		
Weather Conditions	Upgradient	Downgradient	Sidegradient
Air Temperature	<u>clear Sunny</u>	<u>50.5</u>	<u>53.40</u>
Total Well Depth (TWD) =	1/100 ft		
Depth to Ground Water (DGW) =	1/100 ft		
Length of Water Column (LWC) = TWD - DGW =	1/100 ft		
1 Casing Volume (OCV)* = LWC x	0.163 = gal		
3 Casing Volumes =	gal = Standard Evacuation Volume		
Method of Sample Evacuation	Purge with Peristaltic Pump		
Method of Sample Collection	Peristaltic Pump Reverse Flow for VOC's		
Total Volume of Water Removed	<u>2.95</u> gal		

Casing Diameter	2.0		inches
Casing Material	PVC		
Measuring Point Elevation	146.92		1/100 ft
Height of Riser (above land surface)	-0.31		1/100 ft
Land Surface Elevation	147.23		1/100 ft
Screened Interval	43	53	
Dedicated Pump or Bailor	YES	NO	Type
Steel Guard Pipe Around Casing	YES	NO	
Locking Cap	YES	NO	
Protective Post/Abutment	YES	NO	
Well Integrity Satisfactory	YES	NO	
Yield	LOW	MODERATE	HIGH
Comments/Observations	<u>0835</u>		
Sample Time:	<u>0835</u>		
Sample Analytes:	<u>VOCs</u>		
Hack Fe Kit:	<u>NA</u> mg/L		

* - One casing volume (gallons) for a 0.5 inch well is 0.0102XLWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.

Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

FIELD ANALYSES		FIELD ANALYSES		FIELD ANALYSES	
VOLUME PURGED (gallons)	Initial	Final	Volume	Time	Concentration
TIME (Military)	0758	0803	0.05	1.40	1.75
Water Level (ft BTOW)	12.83	12.83	0.873	0.878	0.828
pH (S.U.)	9.46	10.40	8.60	12.83	12.83
Sp. Cond. (mS/cm)	0.267	0.285	0.234	0.234	0.233
Water Temp. (°C)	19.9	19.8	20.0	19.9	20.0
Turbidity (NTUs)	12.01	9.77	4.65	4.18	3.71
DO - (mg/L)	3.26	3.50	1.53	1.52	1.68
Salinity (ppt)	0.13	0.14	0.11	0.11	0.11
ORP (mV)	45.3	84.6	-10.5	-83.9	-84.9

COMMENTS/OBSERVATIONS

Began purging at NA Purging rate: ml/min

FIELD DATA LOG FOR GROUNDWATER SAMPLING

* Dup *
MW-22D-Dup

Sample ID

Page 1 of 1

Date (mo/day/yr) April 13, 2021

Field Personnel Maniah Rockwell

Site Name UTC Delavan Spray Technologies Site

AECOM Job # 60314964

Sample ID* MW-22D

Upgradient ☒ Downgradient ☒ Sidegradient ☐ Source clear-sunny

Weather Conditions 60°

Air Temperature 48.40 ° F

Total Well Depth (TWD) = 12.11 1/100 ft

Depth to Ground Water (DGW) = 12.11 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 0.163 1/100 ft

1 Casing Volume (OCV)* = LWC x 0.163 gal

3 Casing Volumes = 0.489 gal = Standard Evacuation Volume

Method of Sample Evacuation Purge with Peristaltic Pump

Method of Sample Collection Peristaltic Pump Reverse Flow for VOC'S

Total Volume of Water Removed 0.489 gal

Casing Diameter 2.0 inches

Casing Material PVC

Measuring Point Elevation 145.96 1/100 ft

Height of Riser (above land surface) -0.10 1/100 ft

Land Surface Elevation 146.06 1/100 ft

Screened Interval 38 - 48 1/100 ft

Dedicated Pump or Bailor ☒ YES ☒ NO ☒ Type tubing

Steel Guard Pipe Around Casing ☒ YES ☒ NO ☒

Locking Cap ☒ YES ☒ NO ☒

Protective Post/Abutment ☒ YES ☒ NO ☒

Well Integrity Satisfactory ☒ YES ☒ NO ☒

Yield LOW ☒ MODERATE ☒ HIGH ☐

Comments/Observations @ 1010

Sample Time: VOC

Sample Analytes: * Dup *

* - One casing volume (gallons) for a 0.5 inch well is 0.0102XLWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.

Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

FIELD ANALYSES									
Initial	0.25	0.50	0.75	1.0	1.25	1.50			
VOLUME PURGED (gallons)	0.935	0.940	0.945	0.950	0.955	1.000	1.005		
TIME (Military)	12.15	12.17	12.17	12.16	12.15	12.15	12.15		
Water Level (ft BTOW)	7.57	7.60	7.61	7.63	7.64	7.65	7.65		
pH (S.U.)	0.253	0.252	0.256	0.260	0.263	0.263	0.264		
Sp. Cond. (mS/cm)	19.9	19.9	20.0	20.0	20.1	20.2	20.4		
Water Temp. (°C)	4.73	0.65	0.19	0.00	0.00	0.40	0.00		
Turbidity (NTUs)	3.99	3.88	3.01	2.61	2.94	3.06	3.06		
DO - (mg/L)	0.12	0.12	0.12	0.12	0.13	0.12	0.12		
Salinity (ppt)	157.5	157.6	157.0	154.5	152.6	152.1	151.7		
ORP (mV)									

COMMENTS/OBSERVATIONS

Began purging at

Purging rate:

ml/min

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr)	<u>Apr 13, 2021</u>		
Field Personnel	<u>Mariah Rockwell</u>		
Site Name	<u>UTC Delavan Spray Technologies Site</u>		
AECOM Job #	<u>60314964</u>		
Sample ID*	<u>MW-24</u>	Sidegradient	Source
Weather Conditions	<u>clear-sunny</u>	Upgradient	<u>X</u>
Air Temperature	<u>84°</u>	Downgradient	
Total Well Depth (TWD) =	<u>21.00</u>		
Depth to Ground Water (DGW) =	<u>13.38</u>		
Length of Water Column (LWC) = TWD - DGW =			
1 Casing Volume (OCV)* = LWC x	<u>0.163</u>	gal = Standard Evacuation Volume	
3 Casing Volumes =		Purge with Peristaltic Pump	
Method of Sample Evacuation		Peristaltic Pump Reverse Flow for VOC's	
Method of Sample Collection			
Total Volume of Water Removed			<u>2.90</u> gal

Casing Diameter	<u>2.0</u>	Inches
Casing Material	<u>PVC</u>	
Measuring Point Elevation	<u>147.85</u>	1/100 ft
Height of Riser (above land surface)	<u>-0.67</u>	1/100 ft
Land Surface Elevation	<u>148.52</u>	1/100 ft
Screened Interval	<u>6</u>	21
Dedicated Pump or Bailor	<u>X</u>	NO
Steel Guard Pipe Around Casing	<u>YES</u>	NO
Locking Cap	<u>YES</u>	NO
Protective Post/Abutment	<u>YES</u>	NO
Well Integrity Satisfactory	<u>YES</u>	NO
Yield	<u>LOW</u>	MODERATE
Comments/Observations	<u>Hand Fe-Kit</u>	
Sample Time:	<u>@ 1500</u>	
Sample Analytes:	<u>VOC</u>	

* - One casing volume (gallons) for a 0.5 inch well is 0.0102XLWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.

Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

FIELD ANALYSES										
Initial	0.5	1.0	1.5	1.75	2.15	2.50	2.80			
VOLUME PURGED (gallons)	1420	1425	1430	1435	1440	1445	1450	1455		
TIME (Military)	13.60	13.62	13.62	13.64	13.64	13.65	13.65	13.65		
Water Level (ft BTOC)	5.15	5.18	5.19	5.12	5.11	5.12	5.13	5.13		
pH (S.U.)	0.025	0.024	0.025	0.026	0.026	0.025	0.024	0.024		
Sp. Cond. (mS/cm)	19.5	19.6	19.7	19.4	19.7	19.9	19.6	19.8		
Water Temp. (°C)	19.64	20.01	13.85	10.52	9.08	5.75	8.82	9.85		
Turbidity (NTUs)	5.20	5.18	5.31	6.70	6.21	6.24	6.32	6.26		
DO - (mg/L)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
Salinity (ppt)	263.0	295.7	306.4	315.2	318.6	324.8	327.4	329.3		
ORP (mV)										

COMMENTS/OBSERVATIONS

Began purging at

Purging rate:

ml/min

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr) April 13, 2021

Field Personnel Marian Rockwell

Site Name UTC Delavan Spray Technologies Site

AECOM Job # 60314964

Sample ID* MW-25D

Upgradient X Downgradient Sidegradient Source Clear-sunny

Weather Conditions 65°

Air Temperature 65°

Total Well Depth (TWD) = 62.00 1/100 ft

Depth to Ground Water (DGW) = 5.50 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 56.50 1/100 ft

1 Casing Volume (OCV)* = LWC x 0.163 = 9.21 gal

3 Casing Volumes = 27.63 gal = Standard Evacuation Volume

Method of Sample Evacuation Purge with Peristaltic Pump

Method of Sample Collection Peristaltic Pump Reverse Flow for VOC'S

Total Volume of Water Removed 27.63 gal

Casing Diameter 2.0 inches

Casing Material PVC

Measuring Point Elevation 139.21 1/100 ft

Height of Riser (above land surface) -0.09 1/100 ft

Land Surface Elevation 139.30 1/100 ft

Screened Interval 52 - 62 1/100 ft

Dedicated Pump or Bailor YES X NO NO Type tubing

Steel Guard Pipe Around Casing YES X NO NO

Locking Cap YES X NO NO

Protective Post/Abutment YES X NO NO

Well Integrity Satisfactory YES X NO NO

Yield LOW MODERATE NO HIGH X

Comments/Observations @ 1050

Sample Time: VOC

Sample Analytes: VOC

* - One casing volume (gallons) for a 0.5 inch well is 0.0102XLWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.

Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

VOLUME PURGED (gallons)		FIELD ANALYSES									
TIME (Military)	Initial	0.25	0.5	0.75	1.0	1.25					
Water Level (ft BTOW)	1020	1025	1030	1035	1040	1045					
pH (S.U.)	5.57	5.56	5.57	5.57	5.57	5.57					
Sp. Cond. (mS/cm)	7.44	7.65	7.63	7.63	7.64	7.64					
Water Temp. (°C)	0-26.8	0-26.7	0-26.7	0-26.7	0-26.7	0-26.7					
Turbidity (NTUs)	19.4	20.2	20.3	20.4	20.5	20.4					
DO - (mg/L)	3.32	6.49	1.71	1.62	2.23	1.22					
Salinity (ppt)	5.98	5.62	5.35	5.25	5.19	5.17					
ORP (mV)	0.13	0.13	0.13	0.13	0.13	0.13					
	155.7	140.3	133.1	133.9	133.8	135.0					

COMMENTS/OBSERVATIONS Began purging at Purging rate: ml/min

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr) April 13, 2021

Field Personnel Marion Rockwell

Site Name UTC Delavan Spray Technologies Site

AECOM Job # 60314964

Sample ID* MW-26D

Upgradient ☒ Downgradient ☒ Sidegradient ☐ Source clear - sunny

Weather Conditions clear - sunny * F

Air Temperature 75

Total Well Depth (TWD) = 48.00 1/100 ft

Depth to Ground Water (DGW) = 10.16 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 37.84 1/100 ft

1 Casing Volume (OCV)* = LWC x 0.163 = 6.16 gal

3 Casing Volumes = 18.48 gal = Standard Evacuation Volume

Method of Sample Evacuation Purge with Peristaltic Pump

Method of Sample Collection Peristaltic Pump Reverse Flow for VOC'S

Total Volume of Water Removed 18.48 gal

Casing Diameter 2.0 inches

Casing Material PVC

Measuring Point Elevation 143.64 1/100 ft

Height of Riser (above land surface) -0.19 1/100 ft

Land Surface Elevation 143.83 1/100 ft

Screened Interval 38 - 48 1/100 ft

Dedicated Pump or Bailor ☒ YES ☒ NO ☒ Type tubing

Steel Guard Pipe Around Casing ☒ YES ☒ NO ☒

Locking Cap ☒ YES ☒ NO ☒

Protective Post/Abutment ☒ YES ☒ NO ☒

Well Integrity Satisfactory ☒ YES ☒ NO ☒

Yield LOW MODERATE HIGH ☒

Comments/Observations 2/2/15

Sample Time: VOC

Sample Analytes: mg/L

Heck-Fe-Kit

* - One casing volume (gallons) for a 0.5 inch well is 0.0102XLWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.

Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

VOLUME PURGED (gallons)		FIELD ANALYSES									
Initial	Final	0.25	0.50	0.75	1.0						
1150	1155	1200	1205	1210	1215						
19.14	10.16	10.16	10.16	10.16	10.16						
7.30	7.42	7.40	7.40	7.41	7.41						
0.267	0.268	0.268	0.268	0.267	0.267						
21.3	22.1	21.8	21.8	22.3	22.4						
2.14	1.54	2.45	2.45	2.30	1.78						
2.53	1.87	1.97	1.97	1.94	1.95						
0.13	0.13	0.13	0.13	0.13	0.13						
160.9	146.5	135.2	135.2	127.1	125.3						

COMMENTS/OBSERVATIONS

Began purging at _____ Purging rate: _____ ml/min

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr) April 12, 2021

Field Personnel Marian Rockwell

Site Name UTC Delavan Spray Technologies Site

AECOM Job # 6065814

Sample ID* MW-30D

Weather Conditions clear-sunny

Air Temperature 85° °F

Total Well Depth (TWD) = 59.78 1/100 ft

Depth to Ground Water (DGW) = 5.90 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 53.88 1/100 ft

1 Casing Volume (OCV)* = LWC x 0.163 = 8.78 gal

3 Casing Volumes = 26.34 gal = Standard Evacuation Volume

Method of Sample Evacuation Purge with Peristaltic Pump

Method of Sample Collection Peristaltic Pump Reverse Flow for VOC'S

Total Volume of Water Removed 26.34 gal

Casing Diameter 2.0 inches

Casing Material PVC

Measuring Point Elevation N/A 1/100 ft

Height of Riser (above land surface) N/A 1/100 ft

Land Surface Elevation N/A 1/100 ft

Screened Interval 49 - 59 1/100 ft

Dedicated Pump or Bailor YES X NO NO Type tubing

Steel Guard Pipe Around Casing YES X NO NO X

Locking Cap YES X NO NO X

Protective Post/Abutment YES X NO NO X

Well Integrity Satisfactory YES X NO NO X

Yield LOW X MODERATE X HIGH X

Comments/Observations @ 1650 * lid isn't flush to ground

Sample Time: VOC

Sample Analyses: VOC

* - One casing volume (gallons) for a 0.5 inch well is 0.0102XLWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.

Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

VOLUME PURGED (gallons)		FIELD ANALYSES									
Initial	Final	0.25	0.50	0.75	1.0						
16.25	16.30	16.35	16.40	16.45							
5.00	5.03	5.05	5.05	5.05							
7.57	7.77	7.68	7.68	7.71							
0.268	0.267	0.264	0.264	0.266							
21.0°	20.6°	20.5°	20.5°	20.6°							
3.01	2.62	3.89	3.37	2.23							
2.24	2.05	2.02	2.04	2.07							
0.13	0.13	0.13	0.13	0.13							
173.7	147.9	141.1	141.6	141.7							

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr)	<u>April 12, 2021</u>		
Field Personnel	<u>Marion Rockwell</u>		
Site Name	<u>UTC Delavan Spray Technologies Site</u>		
AECOM Job #	<u>600655814</u>		
Sample ID*	<u>MW-31D</u>	Downgradient	Sidegradient
Weather Conditions	<u>clear - sunny</u>		
Air Temperature	<u>86°</u>	° F	
Total Well Depth (TWD) =	<u>60.35</u>	1/100 ft	
Depth to Ground Water (DGW) =	<u>8.93</u>	1/100 ft	
Length of Water Column (LWC) = TWD - DGW =		1/100 ft	
1 Casing Volume (OCV)* = LWC x	<u>0.163</u>	gal	
3 Casing Volumes =		gal = Standard Evacuation Volume	
Method of Sample Evacuation	<u>Purge with Peristaltic Pump</u>		
Method of Sample Collection	<u>Peristaltic Pump Reverse Flow for VOC'S</u>		
Total Volume of Water Removed	<u>gal</u>		

Casing Diameter	<u>2.0</u>	inches
Casing Material	<u>PVC</u>	
Measuring Point Elevation	<u>N/A</u>	1/100 ft
Height of Riser (above land surface)	<u>N/A</u>	1/100 ft
Land Surface Elevation	<u>N/A</u>	1/100 ft
Screened Interval	<u>50</u>	60
Dedicated Pump or Bailor	<u>YES</u>	<u>NO</u>
Steel Guard Pipe Around Casing	<u>YES</u>	<u>NO</u>
Locking Cap	<u>YES</u>	<u>NO</u>
Protective Post/Abutment	<u>YES</u>	<u>NO</u>
Well Integrity Satisfactory	<u>YES</u>	<u>NO</u>
Yield	<u>LOW</u>	<u>MODERATE</u>
Comments/Observations	<u>@ 1730</u>	
Sample Time:	<u>VOC</u>	
Sample Analytes:	<u>neg</u>	

* - One casing volume (gallons) for a 0.5 inch well is 0.0102XLWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.

Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

FIELD ANALYSES										
Initial	0.25	0.50	0.75	1.0	1.25					
1700	1705	1710	1715	1720	1725					
8.94	8.94	8.96	8.96	8.95	8.95					
7.84	7.85	7.69	7.70	7.71	7.71					
0.255	0.253	0.253	0.252	0.252	0.252					
21.1	21.1	21.0	21.3	21.3	21.3					
3.88	3.19	2.45	1.11	1.10	1.00					
2.86	3.29	3.22	3.25	3.23	3.23					
0.12	0.12	0.12	0.12	0.12	0.12					
1632	148.2	132.9	176.2	124.0	122.8					

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr) April 13, 2021

Field Personnel Marian Rockwell

Site Name UTC Delavan Spray Technologies Site

AECOM Job # 60314964

Sample ID* MW-32DR

Upgradient Downgradient Sidegradient Source

Weather Conditions clear - sunny

Air Temperature 74° ° F

Total Well Depth (TWD) = 53.65 1/100 ft

Depth to Ground Water (DGW) = 6.76 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 46.89 1/100 ft

1 Casing Volume (OCV)* = LWC x 0.163 = 7.64 gal

3 Casing Volumes = 22.92 gal = Standard Evacuation Volume

Method of Sample Evacuation Purge with Peristaltic Pump

Method of Sample Collection Peristaltic Pump Reverse Flow for VOC'S

Total Volume of Water Removed gal

Casing Diameter 2.0 inches

Casing Material PVC

Measuring Point Elevation N/A 1/100 ft

Height of Riser (above land surface) N/A 1/100 ft

Land Surface Elevation N/A 1/100 ft

Screened Interval 1/100 ft

Dedicated Pump or Bailor YES X NO NO X Type tubing

Steel Guard Pipe Around Casing YES X NO NO X

Locking Cap YES X NO NO X

Protective Post/Abutment YES X NO NO X

Well Integrity Satisfactory YES X NO NO X

Yield LOW MODERATE MODERATE HIGH X

Comments/Observations @ 1130

Sample Time: VOC

Sample Analytes: Heck F&K mg/L

* - One casing volume (gallons) for a 0.5 inch well is 0.0102XLWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.

Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

VOLUME PURGED (gallons)		FIELD ANALYSES									
Initial		0.25	0.50	1.0	1.25						
1105	1110	1115	1120	1125	1130						
6.79	6.80	6.81	6.82	6.83	6.84						
7.22	7.32	7.34	7.36	7.35	7.35						
0.218	0.202	0.204	0.204	0.205	0.205						
19.2	20.1	20.3	20.5	20.5	20.5						
0.60	0.60	0.60	0.60	0.60	0.60						
2.62	0.55	0.27	0.26	0.25	0.25						
0.10	0.10	0.10	0.10	0.10	0.10						
135.5	136.1	115.4	114.6	114.4	114.4						

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr)	4/12/2021		
Field Personnel	M. Rodwell		
Site Name	UTC Delavan Spray Technologies Site		
AECOM Job #	60314964		
Sample ID*	MW-33D	Source	
Weather Conditions	Downgradient	Sidegradient	
Air Temperature	84°	76.35°	° F
Total Well Depth (TWD) =	1/100 ft		
Depth to Ground Water (DGW) =	1/100 ft		
Length of Water Column (LWC) = TWD - DGW =	1/100 ft		
1 Casing Volume (OCV)* = LWC x	0.163	=	gal
3 Casing Volumes =	gal = Standard Evacuation Volume		
Method of Sample Evacuation	Purge with Peristaltic Pump		
Method of Sample Collection	Peristaltic Pump Reverse Flow for VOC'S		
Total Volume of Water Removed	gal		

Casing Diameter	2.0		inches
Casing Material	PVC		
Measuring Point Elevation			1/100 ft
Height of Riser (above land surface)			1/100 ft
Land Surface Elevation			1/100 ft
Screened Interval	64-74		1/100 ft
Dedicated Pump or Bailor	YES	NO	Type
Steel Guard Pipe Around Casing	YES	NO	Subing
Locking Cap	YES	NO	
Protective Post/Abutment	YES	NO	
Well Integrity Satisfactory	YES	NO	
Yield	LOW	MODERATE	HIGH
Comments/Observations			
Sample Time:	@ 1610		
Sample Analytes:	VOC		

* - One casing volume (gallons) for a 0.5 inch well is 0.0102XLWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.

Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

FIELD ANALYSES										
VOLUME PURGED (gallons)										
Initial	0.25	0.50	0.75	1.0	1.25					
1540	1545	1550	1555	1600	1605					
13.02	13.03	13.03	13.03	13.03	13.02					
7.76	7.81	7.80	7.83	7.83	7.84					
0.219	0.216	0.217	0.219	0.219	0.219					
21.7	21.6	21.4	21.3	21.5	21.7					
8.61	10.34	8.96	5.53	7.66	6.13					
5.93	5.05	3.79	2.74	2.79	2.80					
0.10	0.10	0.10	0.10	0.10	0.10					
171.5	157.7	155.6	152.5	153.9	153.7					
TIME (Military)										
Water Level (ft BTWC)										
pH (S.U.)										
Sp. Cond. (mS/cm)										
Water Temp. (°C)										
Turbidity (NTUs)										
DO - (mg/L)										
Salinity (ppt)										
ORP (mV)										

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr)	April 13, 2020		
Field Personnel	Maurice Perlewell		
Site Name	UTC Delavan Spray Technologies Site		
AECOM Job #	60314964		
Sample ID*	MW-34D		
Upgradient	Downgradient	Sidegradient	Source
Weather Conditions	clear - sunny		
Air Temperature	50°		° F
Total Well Depth (TWD) =	83.63		1/100 ft
Depth to Ground Water (DGW) =	13.83		1/100 ft
Length of Water Column (LWC) = TWD - DGW =			1/100 ft
1 Casing Volume (OCV)* = LWC x	0.163	=	gal
3 Casing Volumes =		gal = Standard Evacuation Volume	
Method of Sample Evacuation	Purge with Peristaltic Pump		
Method of Sample Collection	Peristaltic Pump Reverse Flow for VOC'S		
Total Volume of Water Removed	gal		

Casing Diameter	2.0	inches
Casing Material	PVC	
Measuring Point Elevation		1/100 ft
Height of Riser (above land surface)		1/100 ft
Land Surface Elevation		1/100 ft
Screened Interval		1/100 ft
Dedicated Pump or Bailor	YES ☒ NO ☐	Type <u>tubing</u>
Steel Guard Pipe Around Casing	YES ☒ NO ☐	
Locking Cap	YES ☒ NO ☐	
Protective Post/Abutment	YES ☒ NO ☐	
Well Integrity Satisfactory	YES ☒ NO ☐	
Yield	LOW ☐ MODERATE ☒ HIGH ☐	
Comments/Observations	Sample Time: <u>0830</u>	
Sample Analytes:	<u>VOC</u>	

* - One casing volume (gallons) for a 0.5 inch well is 0.0102XLWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.

Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft)

FIELD ANALYSES										
Initial	0.25	0.50	0.75	1.0	1.25	1.50				
VOLUME PURGED (gallons)	0.155	0.310	0.465	0.620	0.775	0.930				
TIME (Military)	13.85	13.87	13.87	13.87	13.86	13.86				
Water Level (ft BTOC)	10.29	10.25	10.28	10.30	10.30	10.30				
pH (S.U.)	0.243	0.335	0.366	0.377	0.376	0.376				
Sp. Cond. (mS/cm)	15.8	16.3	16.7	16.8	16.9	16.9				
Water Temp. (°C)	20.51	21.43	20.75	11.19	10.79	3.85				
Turbidity (NTUs)	7.01	6.84	6.74	6.32	6.29	6.25				
DO - (mg/L)	0.12	0.16	0.18	0.18	0.18	0.18				
Salinity (ppt)	81.9	65.7	53.3	42.0	37.7	33.0				
ORP (mV)						32.1				

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr)	April 13, 2021		
Field Personnel	Maxiah Rockwell		
Site Name	UTC Delavan Spray Technologies Site		
AECOM Job #	60314964		
Sample ID*	MW-35D	Source	
Upgradient	Downgradient	Sidegradient	
Weather Conditions	clear - sunny		
Air Temperature	51°	* F	
Total Well Depth (TWD) =	76.55	1/100 ft	
Depth to Ground Water (DGW) =	11.85	1/100 ft	
Length of Water Column (LWC) = TWD - DGW =		1/100 ft	
1 Casing Volume (OCV)* = LWC x	0.163	gal	
3 Casing Volumes =		gal = Standard Evacuation Volume	
Method of Sample Evacuation	Purge with Peristaltic Pump		
Method of Sample Collection	Peristaltic Pump Reverse Flow for VOC'S		
Total Volume of Water Removed		gal	

Casing Diameter	2.0	inches
Casing Material	PVC	
Measuring Point Elevation		1/100 ft
Height of Riser (above land surface)		1/100 ft
Land Surface Elevation		1/100 ft
Screened Interval		1/100 ft
Dedicated Pump or Bailor	YES	NO
Steel Guard Pipe Around Casing	YES	NO
Locking Cap	YES	NO
Protective Post/Abutment	YES	NO
Well Integrity Satisfactory	YES	NO
Yield	LOW	MODERATE
Comments/Observations	Type tubing	
Sample Time:	0910	
Sample Analytes:	VOC	
Hook Fee:	mg/L	

* - One casing volume (gallons) for a 0.5 inch well is 0.0102XLWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.

Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

FIELD ANALYSES									
VOLUME PURGED (gallons)	Initial	0.25	0.50	0.75	1.0				
TIME (Military)	0845	0850	0855	0900	0905				
Water Level (ft BTOC)	11.86	11.86	11.87	11.87	11.87				
pH (S.U.)	8.27	7.84	7.81	7.81	7.82				
Sp. Cond. (mS/cm)	0.224	0.234	0.234	0.233	0.233				
Water Temp. (°C)	17.2	17.6	17.7	17.9	18.0				
Turbidity (NTUs)	6.49	9.16	9.84	5.51	6.29				
DO - (mg/L)	4.38	3.61	3.46	3.55	3.58				
Salinity (ppt)	0.11	0.11	0.11	0.11	0.11				
ORP (mV)	118.0	137.9	140.9	142.9	143.7				

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr)	<u>April 13, 2021</u>		
Field Personnel	<u>Pamela Morgan</u>		
Site Name	<u>UTC Delavan Spray Technologies Site</u>		
AECOM Job #	<u>60314964</u>		
Sample ID*	<u>MW-36D</u>	Source	
Weather Conditions	<u>Clear Sunny</u>	Downgradient	
Air Temperature	<u>80.5</u>	Sidegradient	
Total Well Depth (TWD) =	<u>65.82</u>		1/100 ft
Depth to Ground Water (DGW) =	<u>2.45</u>		1/100 ft
Length of Water Column (LWC) = TWD - DGW =	<u>63.37</u>		1/100 ft
1 Casing Volume (OCV)* = LWC x	<u>0.163</u>		gal
3 Casing Volumes =	<u>30.98</u>	gal = Standard Evacuation Volume	
Method of Sample Evacuation	<u>Purge with Peristaltic Pump</u>		
Method of Sample Collection	<u>Peristaltic Pump Reverse Flow for VOC'S</u>		
Total Volume of Water Removed	<u>1.75</u> gal		

Casing Diameter	<u>2.0</u>	inches
Casing Material	<u>PVC</u>	
Measuring Point Elevation		1/100 ft
Height of Riser (above land surface)		1/100 ft
Land Surface Elevation		1/100 ft
Screened Interval		1/100 ft
Dedicated Pump or Bailor	<u>YES</u>	NO
Steel Guard Pipe Around Casing	<u>YES</u>	NO
Locking Cap	<u>YES</u>	NO
Protective Post/Abutment	<u>YES</u>	NO
Well Integrity Satisfactory	<u>YES</u>	NO
Yield	<u>LOW</u>	MODERATE HIGH
Comments/Observations	<u>1518 tubing</u>	
Sample Time:	<u>1518</u>	
Sample Analytes:	<u>VOC'S</u>	
Hack Fe Kit:	<u>117</u> mg/L	

* - One casing volume (gallons) for a 0.5 inch well is 0.0102XLWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.

Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

FIELD ANALYSES									
Initial	0.35	0.170	1.05	1.90	1.75				
VOLUME PURGED (gallons)	14.50	14.53	15.05	15.70	15.75				
TIME (Military)	2.47	2.46	2.46	2.46	2.46				
Water Level (ft BTOC)	7.00	7.17	7.31	7.40	7.39				
pH (S.U.)	0.310	0.313	0.314	0.315	0.324	0.326			
Sp. Cond. (mS/cm)	19.1	19.5	19.6	19.5	19.5	19.5			
Water Temp. (°C)	12.12	12.51	12.90	12.90	12.90	12.90			
Turbidity (NTUs)	2.00	0.82	0.38	0.13	0.01	0.10			
DO - (mg/L)	0.15	0.15	0.15	0.15	0.15	0.16			
Salinity (ppt)	-123.0	-130.9	-138.5	-154.9	-148.6	-148.8			
ORP (mV)									

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1.0 of 1.0

Date (mo/day/yr)	April 12, 2021		
Field Personnel	Randy Morgan		
Site Name	UTC Delavan Spray Technologies Site		
AECOM Job #	60314964		
Sample ID*	MW-37		
Weather Conditions	Upgradient	Downgradient	Sidegradient
Air Temperature	70.5		
Total Well Depth (TWD) =	21.80		
Depth to Ground Water (DGW) =	12.48		
Length of Water Column (LWC) = TWD - DGW =	9.32		
1 Casing Volume (OCV)* = LWC x	0.041 = 0.38		
3 Casing Volumes =	1.14 gal = Standard Evacuation Volume		
Method of Sample Evacuation	Purge with Peristaltic Pump		
Method of Sample Collection	Peristaltic Pump Reverse Flow for VOC'S		
Total Volume of Water Removed	gal		

Casing Diameter	1.0"			inches
Casing Material	PVC			
Measuring Point Elevation				1/100 ft
Height of Riser (above land surface)				1/100 ft
Land Surface Elevation	11.8 - 21.8			1/100 ft
Screened Interval				1/100 ft
Dedicated Pump or Baller	YES	NO	Type	Fusion
Steel Guard Pipe Around Casing	YES	NO		
Locking Cap	YES	NO		
Protective Post/Abutment	YES	NO		
Well Integrity Satisfactory	YES	NO		
Yield	LOW	MODERATE	HIGH	
Comments/Observations	1635 -			
Sample Time:	1635			
Sample Analytes:	VOC'S			

* - One casing volume (gallons) for a 0.5 inch well is 0.0102XLWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.

Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

FIELD ANALYSES										
Initial	.20	.40	.60	.80	1.0	1.20	1.40			
VOLUME PURGED (gallons)	155.8	160.3	160.8	161.3	161.8	162.3	162.8	163.3		
TIME (Military)	12.72	12.90	14.30	15.47	16.48	17.04	17.62	17.92		
Water Level (ft BTOC)	4.78	4.15	4.29	4.27	4.28	4.33	4.34	4.35		
pH (S.U.)	0.072	0.060	0.060	0.068	0.069	0.068	0.068	0.068		
Sp. Cond. (mS/cm)	21.0	20.9	20.8	20.8	20.7	20.8	20.8	20.8		
Water Temp. (°C)	11.15	9.43	9.34	8.83	9.49	8.99	9.78	9.45		
Turbidity (NTUs)	5.70	6.05	4.93	5.17	4.99	4.04	4.12	4.18		
DO - (mg/L)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03		
Salinity (ppt)	235.2	244.3	221.2	244.7	216.8	210.4	209.4	206.1		
ORP (mV)										

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR SURFACE WATER/SEDIMENT SAMPLING

Date (yr/mo/day)	April 14, 2021		
Field Personnel	Randy Morgan / Mariah Rockwell		
Site Name	Delavan Spray Technologies		
Earth Tech Job No.	602655814		
Sample Station ID	SW-01-LC		
Surface Water	X	Sediment	
Weather Conditions	clear - sunny		
Air Temperature (°C)	68°		
	Surface Water	Sediment	
Baiter		Stainless-Steel Scoop	
Bottle	X	Stainless-Steel Scoop	
Other (Specify)		Other (Specify)	
Sample Container Preservative (Y/N, Type) Surface Water VOCs SVOCs Pest/PCBs Metals TPH Other (cyanide) (PPT) - Parts Per Thousand (NTU) - Nephelometric Turbidity Units (MV) - Millivolts (umhos/cm) - Micro mhos Per Centimeter			

Field Analysis	
Time (Military)	Surface Water
pH (S.U.)	Sediment
ORP (mv)	
Specific Conductivity (mS/cm)	
Water temperature (°C)	
Dissolved Oxygen (mg/L)	
Turbidity (NTU)	
Salinity (PPT)	
Ferrous Iron	
*(1) Clear (2) Slight (3) Moderate (4) High Comments/Observations: Lemon Creek at intersection with Bloxton Bridge Rd (US Hwy 60)	

FIELD DATA LOG FOR SURFACE WATER/SEDIMENT SAMPLING

Date (yr/mo/day)	April 14, 2021																									
Field Personnel	Randy Morgan / Mariah Rockwell																									
Site Name	Delavan Spray Technologies																									
Earth Tech Job No.	10055714																									
Sample Station ID	SW-02-LC																									
Surface Water	X	Sediment																								
Weather Conditions	Clear - Sunny																									
Air Temperature (°C)	70°																									
	Surface Water	Sediment																								
Bailer		Stainless-Steel Scoop																								
Bottle	X	Stainless-Steel Scoop																								
Other (Specify)		Other (Specify)																								
<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">Sample Container</th> </tr> <tr> <th>Surface Water</th> <th>Sediment</th> </tr> </thead> <tbody> <tr> <td>VOCs</td> <td>X</td> <td>N</td> </tr> <tr> <td>SVOCs</td> <td></td> <td></td> </tr> <tr> <td>Pest/PCBs</td> <td></td> <td></td> </tr> <tr> <td>Metals</td> <td></td> <td></td> </tr> <tr> <td>TPH</td> <td></td> <td></td> </tr> <tr> <td>Other (cyanide)</td> <td></td> <td></td> </tr> </tbody> </table>					Sample Container		Surface Water	Sediment	VOCs	X	N	SVOCs			Pest/PCBs			Metals			TPH			Other (cyanide)		
	Sample Container																									
	Surface Water	Sediment																								
VOCs	X	N																								
SVOCs																										
Pest/PCBs																										
Metals																										
TPH																										
Other (cyanide)																										
(PPT) - Parts Per Thousand (NTU) - Nephelometric Turbidity Units (MV) - Millivolts (umhos/cm) - Micro mhos Per Centimeter																										

Field Analysis

	Surface Water	Sediment
Time (Military)	1025	
pH (S.U.)	6.76	
ORP (mV)	63.2	
Specific Conductivity (mS/cm)	0.146	
Water temperature (°C)	17.1	
Dissolved Oxygen (mg/L)	1.70	
Turbidity (NTU)	10.93	
Salinity (PPT)	0.07	
Ferrous Iron	NA	

* (1) Clear (2) Slight (3) Moderate (4) High

Comments/Observations:

Lemon Creek at intersection with Main Hwy (US Hwy 301)

FIELD DATA LOG FOR SURFACE WATER/SEDIMENT SAMPLING

Page 1 of 1

Date (yr/mo/day)		<u>April 14, 2021</u>	
Field Personnel		<u>Randy Morgan / Mariah Rockwell</u>	
Site Name		<u>Delavan Spray Technologies</u>	
Earth Tech Job No.		<u>60655814</u>	
Sample Station ID		<u>SW-03-HMB</u>	
Surface Water	☒	Sediment	
Weather Conditions		<u>clear - sunny</u>	
Air Temperature (°C)		<u>72°</u>	
Surface Water		Sediment	
Bailer		Stainless-Steel Scoop	
Bottle	☒	Stainless-Steel Scoop	
Other (Specify)		Other (Specify)	
Sample Container		Preservative (Y/N, Type)	
VOCs	☒	N	
SVOCs			
Pest/PCBs			
Metals			
TPH			
Other (cyanide)			
(PPT) - Parts Per Thousand			
(NTU) - Nephelometric Turbidity Units			
(MV) - Millivolts			
(umhos/cm) - Micro mhos Per Centimeter			

Field Analysis	
Time (Military)	Surface Water <u>1035</u> Sediment
pH (S.U.)	<u>6.99</u>
ORP (mV)	<u>74.2</u>
Specific Conductivity (mS/cm)	<u>0.146</u>
Water temperature (°C)	<u>17.5 17.5°</u>
Dissolved Oxygen (mg/L)	<u>7.40</u>
Turbidity (NTU)	<u>34.10</u>
Salinity (PPT)	<u>0.07</u>
Ferrous Iron	<u>N/A</u>
* (1) Clear (2) Slight (3) Moderate (4) High	
Comments/Observations:	
<u>Haltmoon Branch at intersection with main Hwy (US Hwy 301)</u>	

FIELD DATA LOG FOR SURFACE WATER/SEDIMENT SAMPLING

Date (yr/mo/day)		April 14, 2021	
Field Personnel		Randy Morgan / Mariah Rockwell	
Site Name		Delavan Spray Technologies	
Earth Tech Job No.		60055814	
Sample Station ID		SW-04-TLC	
Surface Water		X	Sediment
Weather Conditions		clear - sunny	
Air Temperature (°C)		70°	
Bailer		Stainless-Steel Scoop	
Bottle		X	Stainless-Steel Scoop
Other (Specify)		Other (Specify)	
Sample Container		Preservative (Y/N, Type)	
Surface Water		X	N
Sediment			
VOCs			
SVOCs			
Pest/PCBs			
Metals			
TPH			
Other (cyanide)			
(PPT) - Parts Per Thousand			
(NTU) - Nephelometric Turbidity Units			
(MV) - Millivolts			
(umhos/cm) - Micro mhos Per Centimeter			

Field Analysis	
Time (Military)	Surface Water
pH (S.U.)	1010
ORP (mV)	6.14
Specific Conductivity (mS/cm)	105.5
Water temperature (°C)	0.088
	16.6°
Dissolved Oxygen (mg/L)	5.83
Turbidity (NTU)	37.72
Salinity (PPT)	0.04
Ferrous Iron	NA
* (1) Clear (2) Slight (3) Moderate (4) High	
Comments/Observations:	
Tributary to Lemon Creek of intersection	
the power line rightaway	
* park at meter box then	
cross road, look for pink flagging	

AECOM

Chain of Custody and Analytical Request

Page 1 of 2
Project Number: _____
Chain of Custody Number (1): _____
P.O. # 106712

Project Name / Location: UTC Delavan Spray Technologies Site, Bamberg SC				Sample Analysis Requested				Quality Assurance Samples			
Client Name: UTC				Sample Analysis Requested				Quality Assurance Samples			
Collected by: Randy Morgan/Mariah Rockwell				Project Manager: Leslee Alexander				Cooler ID			
Sample ID	Date Collected (dd-mm-yyyy)	Time Collected (hh:mm)	See Comments	Well	GRAB	COMP	Sample Information	TCL VOCs 8260D	TCL SVOCs (8270E)	PM 13	COMMENTS
<i>Trip Blank #1</i>	<i>12-Apr-2021</i>				X		Groundwater	X			ALL VOC'S ARE UNPRESERVED
<i>Trip Blank #2</i>	<i>12-Apr-2021</i>				X			X			7 DAY HOLDING TIME
<i>MW-330</i>	<i>12-Apr-2021</i>	<i>1610</i>			X			X			
<i>MW-317</i>	<i>12-Apr-2021</i>	<i>1635</i>			X			X			
<i>MW-301</i>	<i>12-Apr-2021</i>	<i>1650</i>			X			X			
<i>MW-19</i>	<i>12-Apr-2021</i>	<i>1723</i>			X			X			
<i>MW-310</i>	<i>12-Apr-2021</i>	<i>1730</i>			X			X			
<i>MW-20</i>	<i>12-Apr-2021</i>	<i>1805</i>			X			X			
<i>MW-340</i>	<i>13-Apr-2021</i>	<i>0830</i>			X			X			
<i>MW-10</i>	<i>13-Apr-2021</i>	<i>0833</i>			X			X			
<i>MW-100</i>	<i>13-Apr-2021</i>	<i>0908</i>			X			X			
<i>MW-350</i>	<i>13-Apr-2021</i>	<i>0910</i>			X			X			
<i>MW-9-MS</i>	<i>13-Apr-2021</i>	<i>0953</i>			X			X			
<i>MW-9-MS</i>	<i>13-Apr-2021</i>	<i>0953</i>			X			X			
<i>MW-9-MSD</i>	<i>13-Apr-2021</i>	<i>0955</i>			X			X			

Relinquished By (Signed) *Randy Morgan* Date *4-13-21* Time *1445*

Received By (Signed) *Fed Ex* Date *4-13-21* Time *1445*

Sample Delivery Details / Laboratory Receipt

Shipped: XXXX

Airbill #: 506145063152

Location: Orlando FLA

Date: _____

Time: _____

1.) Chain of Custody Number = date collected + custody number (E.G. 01-19-2004-01)
VOC'S ARE UNPRESERVED 7 DAY HOLDING TIME

Chain of Custody and Analytical Request

Page 2 of 1
Project Number: _____
Chain of Custody Number ^(B): _____
P.O. # 106712

Location: UIC Delavan Spray Technologies Site, Bamberg SC

Client Name: UTC

Collected by: Randy Morgan/Mariah Rockwell	Project Manager: Leslee Alexander
--	-----------------------------------

Sample ID	Date Collected (dd-mm-yyyy)	Time Collected (Military) (hh:mm)	See Comments			Sample Information	TCL VOCs (8)	TCL SVOCs (8)	PM 13	COMMENTS	Cooler ID
			COMP	GRAB	Well						
MW-220	13-Apr-2021	1010			X	Groundwater	X			ALL VOCs ARE UNPRESERVED 7 DAY HOLDING TIME	
MW-220-dup	13-Apr-2021	1010			X		X				
MW-8	13-Apr-2021	1050			X		X				
MW-25D	13-Apr-2021	1050			X		X				
MW-32UR	13-Apr-2021	1130			X		X				
MW-32UR-dup	13-Apr-2021	1130			X		X				
MW-12D	13-Apr-2021	1200			X		X				
MW-26D	13-Apr-2021	1215			X		X				
MW-3D	13-Apr-2021	1318			X		X				
MW-3D-M5	13-Apr-2021	1318			X		X				
MW-3D-M5D	13-Apr-2021	1318			X		X				
MW-14D	13-Apr-2021	1355			X		X				
MW-14D-dup	13-Apr-2021	1355			X		X				
MW-3	13-Apr-2021	1408			X		X				

Custody Transfers Prior to Receipt by Laboratory

Date _____ Time _____

Received by (signed) _____

Date 10-21-10 Time 1:10

Delivered Directly to Lab.

1

Shipped: ~~XXXX~~

8

AECOM

Chain of Custody and Analytical Request

Project Name / Location: UTC Delavan Spray Technologies Site, Bamberg SC
 Client Name: UTC

Page 1 of 1
 Project Number: 60656874
 Chain of Custody Number (1): 106712

Collected by: Randy Morgan/Mariah Rockwell				Project Manager: Leslee Alexander				Sample Analysis Requested				Quality Assurance Samples		Cooler ID
Sample ID	Date Collected (dd-mm-yyyy)	Time Collected (Military) (hh-mm)	See Comments	Time Collected (Military) (hh-mm)	Well	GRAB	COMP	Sample Information	TCL VOCs (826D)	TCL SVOCs (827E)	PM 13	COMMENTS		
<i>Trip Blank</i>	<i>13-Apr-2021</i>													
<i>MW-24</i>	<i>13-Apr-2021</i>	<i>1500</i>												
<i>MW-36D</i>	<i>13-Apr-2021</i>	<i>1518</i>												
<i>MW-1</i>	<i>13-Apr-2021</i>	<i>1600</i>												
<i>MW-13D</i>	<i>13-Apr-2021</i>	<i>1608</i>												
<i>MW-21D</i>	<i>14-Apr-2021</i>	<i>0835</i>												
<i>MW-2</i>	<i>14-Apr-2021</i>	<i>0840</i>												
<i>MW-21</i>	<i>14-Apr-2021</i>	<i>0908</i>												
<i>FDW-1</i>	<i>14-Apr-2021</i>	<i>0925</i>												
<i>SW-01-LC</i>	<i>14-Apr-2021</i>	<i>1000</i>												
<i>SW-04-TLC</i>	<i>14-Apr-2021</i>	<i>1010</i>												
<i>SW-02-LC</i>	<i>14-Apr-2021</i>	<i>1025</i>												
<i>SW-03-HMB</i>	<i>14-Apr-2021</i>	<i>1035</i>												

Delivered Directly to Lab: _____ Method of Shipment: _____ Analytical Lab: _____ Lab Recipient: _____		Sample Delivery Details / Laboratory Receipt Shipped: XXXX Airbill #: _____ Location: Orlando FLA Date: _____ Time: _____	
--	--	--	--

Custody Transfers Prior to Receipt by Laboratory

Relinquished By (Signed) Randy Morgan Date 4-14-2021 Time 1345

Received by (Signed) Leslee Alexander Date 4-14-2021 Time 1345

1. _____ 2. _____ 3. _____

1.) Chain of Custody Number = date collected + custody number (E.G. 01-19-2004-01)

⑧

4-12-2021 UTC Delavan

0500 at ACom load cookers, paper work
0520 move to equipment center to pick up
equipment
0545 leave for UTC Delavan
0829 at Dollar General to purchase
batteries for meters
0850 apt site opening well and clearing
around wells
1030 March arrives - sign in at UTC
office get badges, AT & S tailgate
briefing.
1045 continue opening wells and then
collect water levels site wide
1500 complete water levels
1505 at gas station to get ice - No ice
1510 at Dollar General purchase ice
1520 calibrate JYSI in PWSW 17L10382
1525 load equipment to go inside bldg
to sample MW-37 1928 wells
1558 at MW-39 begin to micro purge
water level keep dropping - sample before
well goes dry,
1635 sample MW-37
1655 at MW-19 begin to micro purge
1723 sampled MW-19

UTC Delavan

⑨

1738 at MW-20 begin to micro purge
1805 Sampled MW-20
1815 empty purge water into 55 gal
steel drum in waste storage area
all old drums were disposed of
1825 off site to motel
1900 end of day - samples stored
on ice in secure location until
4-13-2021.

~~Randy May~~

4-12-2021

⑩ 4/13/2021

UTC Delavan

0730 arrive on site, N+S tailgate
0740 sign in get booties
0740 calibrate YSI DO Plus S/N 1940822
0805 out MW-10 begin to micro purge
0833 sampled MW-10
0840 out MW-100 begin to micro purge
0908 sampled MW-900
0928 out MW-900 begin to micro purge
0955 sampled MW-900 below MW-900
1023 out MW-8 begin to micro purge
1050 sampled MW-8
1103 out MW-120 begin to micro purge
takes a while to stabilize
ph starts out high 11.5 goes to 9's

1200 sampled MW-200 (120)
purchase additional ice to pack
samples to ship today
UTC Delavan plant

Marshall brings samples to be
shipped out

1245 out MW-30 begin to micro purge
1318 sampled MW-30 MS/mSD
1340 out MW-3 begin to micro purge
1408 sampled MW-3
1445 pack samples - returnish to UTC
Shipping/loading area

4/13/2021

UTC Delavan

⑪

1450 out MW-300 begin to micro purge
1518 sampled MW-300
1540 out MW-200 begin to micro purge
1608 sampled MW-200
1620 empty all purge water into 55 gal
steel drums
1635 off site, after returning, booties
samples collected after shipping they
are stored on ice in secure location
until 4-14-2021.
1710 at motel end of day.

Lonely Morning 4-13-2021

(12) 4-14-2021 UTC Delavan

0655 leave for UTC Delavan

0730 arrive on site - calibrate

45T plus water quality meter

S/N 167103732

0740 sign in & get badges

0758 at MW-210 begin to mea purge

0833 sampled MW-210

0840 at MW-21 begin to add purge

0908 Sampled MW-21

0920 empty all purge water into 55 gal

steel drum on site. Only (1) drum site

0925 sampled I MW-1

0945 prepare to collect surface water

sample

1000 sampled SW-01-LC

1010 sampled SW-04-TLC

1025 sampled SW-02-LC

1035 sampled SW-03-HMB

(see pages 4 & 5 exact locations)

1045 on site UTC. Monitor to return

equipment / ready to pack & ship samples

4th Charleston today.

1100 off site end of event.

48

UTC Delavan

4/12/2021

M. Rockwell

0715 Leave for office - pack truck.

0800 Leave from office to site.

1035 Arrive at UTC Delavan.

4/5 meeting w/ R. Morgan.

Check in @ facility.

1120 Begin gauging water levels

~~1400~~ Finish water levels.

1400 Provide equipment - calibrate ysls - discuss sample plan - go get ice * walgreens and order station outside

1530 Begin setting up @ MW-33D

1730 Finish sampling MW-31D

1740 Pump purge water @ facility

1815 Check in @ hotel.

M. Rockwell

4/13/21

(49)

0645 Leave hotel - get breakfast
0730 Arrive on site. 4/5 meeting w/ Randy, check-in @ facility and get badges.

0745 Calibrate ysl @ MW-34D

0830 Sample MW-34D

0910 Sample MW-35D

1010 Sample MW-22D

+ Dup → MW-22D-Dup

1050 Sample MW-25D

1130 Sample MW-32DR

+ MW-32DR-Dup

1215 Sample MW-26D

1230 Dump purge water @ facility. Go to lunch & get more ice. Fill up truck bro

1320 Set up @ MW-14D

1355 Sample MW-14D

+ MW-14D-Dup

1405 Drop off samples w/ Randy M.

1418 Start purging MW-24

1500 Sample MW-24 ~~MW~~

1600 Sample MW-1

1610 Dump purge water - clean equipment.

(50)

WTC Delavan

4/13/2021

M. Rockwell

1620 Leave site.

1700 Arrive @ hotel.

Jul
4/13/2021

WTC Delavan

(51)

M. Rockwell

4/14/2021

0645 Check out of hotel. Grab

breakfast on the way to site.

0730 Arrive on site. Check in

at facility w/ Randy Morgan.

0735 H/S meeting.

0749 Begin calibrating 951

0840 Sample MW-2

0846 Decan equipment. Dump

purge water. Give Randy

remaining samples because

we will ship from Charleston

tonight while I take equipment

back to Greenville later.

1000 Grab surface water samples.

1100 Completed surface water

sampling. Randy will

deliver samples to FedEx

in Charleston - Mariah

heads back to Greenville

to drop off equipment & truck

1630 Mariah completed w/ drop

off and scanning paperwork.

Jul
4/14/20

APPENDIX B

ANALYTICAL DATA

Laboratory Reports – SGS North America, Inc.

Data Assessment Reports

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Raytheon Technologies

AECOMSCG: Delavan Spray Technologies; Bamberg, SC

60656814/TASK 1A

SGS Job Number: FA84711

Sampling Dates: 04/13/21 - 04/14/21



Report to:

AECOM Environment
10 Patewood Dr Bldg VI, Suite 500
Greenville, SC 29615
leslee.alexander@aecom.com; doria.cullom@aecom.com

ATTN: Doria Cullom

Total number of pages in report: **83**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Muna Mohammed 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001)
DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177),
AL, AK, AR, CT, IA, KY, MA, MI, MS, ND, NH, NV, OK, OR, UT, VT, WA, WV
This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.



May 13, 2021

Ms. Doria Cullom
AECOM
10 Patewood Drive
Building 6, Suite 500
Greenville, SC 29615

RE: SGS North America Inc. - Orlando job FA84711 Reissue

Dear Ms. Meyers-Lee,

The final report for job number FA84711 has been edited to reflect requested corrections. These edits have been incorporated into the revised report.

Sample ID has been revised.

SGS North America Inc. - Orlando apologies for any inconvenience this may have caused. Please feel free to contact us if we can be of further assistance.

Sincerely,

SGS North America, Inc. - Orlando

Florida ♦ 4405 Vineland Road ♦ Suite C-15 ♦ Orlando, FL 32811 ♦ tel: 407 425-6700 ♦ fax: 407 425-0707



May 26, 2021

Ms. Doria Cullom
AECOM
10 Patewood Drive
Building 6, Suite 500
Greenville, SC 29615

RE: SGS North America Inc. - Orlando job FA84711 Reissue #2

Dear Ms. Cullom,

The final report for job number FA84711 has been edited to reflect requested corrections. These edits have been incorporated into the revised report.

TCE has been reported on #9.

SGS North America Inc. - Orlando apologies for any inconvenience this may have caused. Please feel free to contact us if we can be of further assistance.

Sincerely,

SGS North America, Inc. - Orlando

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Sample Summary

Raytheon Technologies

Job No: FA84711

AECOMSCG: Delavan Spray Technologies; Bamberg, SC
Project No: 60656814/TASK 1A

Sample Number	Collected Date	Time By	Matrix Received Code	Type	Client Sample ID
---------------	----------------	---------	----------------------	------	------------------

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

FA84711-1	04/13/21	00:00	RMMR04/15/21	AQ	Trip Blank Water	TRIP BLANK 3
FA84711-2	04/13/21	15:00	RMMR04/15/21	AQ	Ground Water	MW-24
FA84711-3	04/13/21	15:18	RMMR04/15/21	AQ	Ground Water	MW-36D
FA84711-4	04/13/21	16:00	RMMR04/15/21	AQ	Ground Water	MW-1
FA84711-5	04/13/21	16:08	RMMR04/15/21	AQ	Ground Water	MW-13D
FA84711-6	04/14/21	08:35	RMMR04/15/21	AQ	Ground Water	MW-21D
FA84711-7	04/14/21	08:40	RMMR04/15/21	AQ	Ground Water	MW-2
FA84711-8	04/14/21	09:08	RMMR04/15/21	AQ	Ground Water	MW-21
FA84711-9	04/14/21	09:25	RMMR04/15/21	AQ	Ground Water	IDW-1
FA84711-10	04/14/21	10:00	RMMR04/15/21	AQ	Surface Water	SW-01-LC
FA84711-11	04/14/21	10:10	RMMR04/15/21	AQ	Surface Water	SW-04-TLC
FA84711-12	04/14/21	10:25	RMMR04/15/21	AQ	Surface Water	SW-02-LC



Sample Summary
(continued)

Raytheon Technologies

Job No: FA84711

AECOMSCG: Delavan Spray Technologies; Bamberg, SC
Project No: 60656814/TASK 1A

Sample Number	Collected		Matrix		Client	
	Date	Time By	Received	Code Type	Sample ID	
FA84711-13	04/14/21	10:35 RMMR	04/15/21	AQ Surface Water	SW-03-HMB	

SAMPLE DELIVERY GROUP CASE NARRATIVE

2

Client: Raytheon Technologies

Job No: FA84711

Site: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Report Date 5/6/2021 10:21:31 AM

12 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected on between 04/13/2021 and 04/14/2021 and were received at SGS North America Inc - Orlando on 04/15/2021 properly preserved, at 1 Deg. C and intact. These Samples received an SGS Orlando job number of FA84711. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section. Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

MS Volatiles By Method SW846 8260D

Matrix: AQ

Batch ID: VC5961

All samples were analyzed within the recommended method holding time.

Sample(s) FA84747-22MS, FA84747-22MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix Spike Recovery(s) for Tetrachloroethylene are outside control limits. Outside control limits due to high level in sample relative to spike amount.

Matrix Spike Duplicate Recovery(s) for Tetrachloroethylene are outside control limits. Probable cause is due to matrix interference.

FA84711-4: Sample was not preserved to a pH < 2; reported results are considered minimum values. Confirmation run.

FA84711-6: Sample was not preserved to a pH < 2.

FA84711-7: Sample was not preserved to a pH < 2.

FA84711-8: Sample was not preserved to a pH < 2.

FA84711-9: Sample was not preserved to a pH < 2.

FA84711-10: Sample was not preserved to a pH < 2.

FA84711-11: Sample was not preserved to a pH < 2.

FA84711-12: Sample was not preserved to a pH < 2.

FA84711-13: Sample was not preserved to a pH < 2.

Matrix: AQ

Batch ID: VP3208

All method blanks for this batch meet method specific criteria.

Sample(s) FA84711-9MS, FA84711-9MSD were used as the QC samples indicated.

The following samples were run outside of holding time for method SW846 8260D: FA84711-9

FA84711-9: Sample was not preserved to a pH < 2. Sample re-analyzed beyond hold time; reported results are considered minimum values.

FA84711-10: Sample was not preserved to a pH < 2. Sample re-analyzed beyond hold time; reported results are considered minimum values. Confirmation run.

Matrix: AQ

Batch ID: VY2360

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA84711-2MS, FA84711-2MSD were used as the QC samples indicated.

FA84711-2: Sample was not preserved to a pH < 2.

FA84711-3: Sample was not preserved to a pH < 2.

FA84711-4: Sample was not preserved to a pH < 2.

FA84711-5: Sample was not preserved to a pH < 2.

MS Semi-volatiles By Method SW846 8270E

Matrix: AQ

Batch ID: OP85022

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) FA84711-9MS, FA84711-9MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for Benzyl Alcohol, bis(2-Chloroethoxy)methane, Isophorone, Nitrobenzene are outside control limits.

Matrix Spike Recovery(s) for Benzyl Alcohol, bis(2-Chloroethoxy)methane, Isophorone are outside control limits. Probable cause is due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 2-Nitroaniline, bis(2-Chloroethoxy)methane, Isophorone, Nitrobenzene are outside control limits. Probable cause is due to matrix interference.

FA84711-9 for 2,2'-Oxybis(1-chloropropane): Associated CCV outside of control limits high, sample was ND.

FA84711-9 for N-Nitrosodiphenylamine: Associated CCV outside of control limits high, sample was ND.

FA84711-9 for bis(2-Chloroethoxy)methane: Associated BS outside control limits high, sample was ND. Associated CCV outside of control limits high, sample was ND.

FA84711-9 for Benzyl Alcohol: Associated BS recovery outside control limits.

FA84711-9 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.

FA84711-9 for Benzoic Acid: Associated CCV outside of control limits high, sample was ND.

FA84711-9 for bis(2-Chloroethyl)ether: Associated CCV outside of control limits high, sample was ND.

FA84711-9 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.

FA84711-9 for N-Nitrosodi-n-propylamine: Associated CCV outside of control limits high, sample was ND.

FA84711-9 for Isophorone: Associated BS outside control limits high, sample was ND. Associated CCV outside of control limits high, sample was ND.

FA84711-9 for Nitrobenzene: Associated BS outside control limits high, sample was ND. Associated CCV outside of control limits high, sample was ND.

Metals Analysis By Method SW846 6010D

Matrix: AQ

Batch ID: MP38829

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA84625-4DUP, FA84625-4MS, FA84625-4MSD, FA84625-4PS, FA84625-4SDL, were used as the QC samples for metals.

Matrix Spike Recovery(s) for Zinc, Antimony are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

Matrix Spike Duplicate Recovery(s) for Antimony, Zinc are outside control limits. Probable cause is due to matrix interference.

RPD(s) for Duplicate for Copper are outside control limits for sample MP38829-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for Serial Dilution for Chromium, Copper, Lead are outside control limits for sample MP38829-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP38829-S1 for Antimony: Spike recovery indicates possible matrix interference.

MP38829-PS1 for Thallium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP38829-PS1 for Selenium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP38829-PS1 for Zinc: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

Metals Analysis By Method SW846 7470A

Matrix: AQ

Batch ID: MP38868

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA84822-4FDUP, FA84822-4FMS, FA84822-4FMSD, FA84822-4FSDL were used as the QC samples for metals.

SGS Orlando certifies that this report meets the project requirements for analytical data produced for the samples as received at SGS Orlando and as stated on the COC. SGS Orlando certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SGS Orlando Quality Manual except as noted above. This report is to be used in its entirety. SGS Orlando is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Ariel Hartney, Client Services (signature on file)

Summary of Hits

Job Number: FA84711
Account: Raytheon Technologies
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC
Collected: 04/13/21 thru 04/14/21



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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FA84711-1 TRIP BLANK 3

No hits reported in this sample.

FA84711-2 MW-24

cis-1,2-Dichloroethylene ^a	16.8 J	25	6.9	ug/l	SW846 8260D
Tetrachloroethylene ^a	1910	25	5.4	ug/l	SW846 8260D

FA84711-3 MW-36D

Tetrachloroethylene ^a	0.24 J	1.0	0.22	ug/l	SW846 8260D
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FA84711-4 MW-1

cis-1,2-Dichloroethylene ^a	0.94 J	2.0	0.55	ug/l	SW846 8260D
Tetrachloroethylene ^a	46.1	2.0	0.43	ug/l	SW846 8260D
Trichloroethylene ^a	0.85 J	2.0	0.69	ug/l	SW846 8260D

FA84711-5 MW-13D

1,1-Dichloroethylene ^a	1.9 J	2.0	0.64	ug/l	SW846 8260D
Tetrachloroethylene ^a	116	2.0	0.43	ug/l	SW846 8260D

FA84711-6 MW-21D

1,1-Dichloroethylene ^a	0.90 J	1.0	0.32	ug/l	SW846 8260D
Tetrachloroethylene ^a	27.5	1.0	0.22	ug/l	SW846 8260D

FA84711-7 MW-2

Tetrachloroethylene ^a	0.71 J	1.0	0.22	ug/l	SW846 8260D
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FA84711-8 MW-21

cis-1,2-Dichloroethylene ^a	359	200	55	ug/l	SW846 8260D
Tetrachloroethylene ^a	13600	200	43	ug/l	SW846 8260D
Trichloroethylene ^a	199 J	200	69	ug/l	SW846 8260D

FA84711-9 IDW-1

Acetone ^a	120 J	130	50	ug/l	SW846 8260D
cis-1,2-Dichloroethylene ^a	11.5	5.0	1.4	ug/l	SW846 8260D
Tetrachloroethylene ^b	572	10	2.2	ug/l	SW846 8260D
1,1,1-Trichloroethane ^a	1.9 J	5.0	1.2	ug/l	SW846 8260D

Summary of Hits

Page 2 of 2

Job Number: FA84711

Account: Raytheon Technologies

Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Collected: 04/13/21 thru 04/14/21



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Trichloroethylene ^b		9.4 J	10	3.5	ug/l	SW846 8260D
Chromium		4.0 J	10	1.0	ug/l	SW846 6010D
Copper		3.3 J	25	1.0	ug/l	SW846 6010D
Lead		3.0 J	5.0	1.1	ug/l	SW846 6010D
Nickel		1.3 J	40	0.40	ug/l	SW846 6010D
Zinc		39.9	20	4.4	ug/l	SW846 6010D

FA84711-10 SW-01-LC

Tetrachloroethylene ^a	2.1	1.0	0.22	ug/l	SW846 8260D
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FA84711-11 SW-04-TLC

No hits reported in this sample.

FA84711-12 SW-02-LC

No hits reported in this sample.

FA84711-13 SW-03-HMB

No hits reported in this sample.

(a) Sample was not preserved to a pH < 2.

(b) Sample was not preserved to a pH < 2. Sample re-analyzed beyond hold time; reported results are considered minimum values.



Orlando, FL

Section 4

4

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	TRIP BLANK 3	Date Sampled:	04/13/21
Lab Sample ID:	FA84711-1	Date Received:	04/15/21
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y56874.D	1	04/20/21 12:42	SO	n/a	n/a	VY2360
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK 3	Date Sampled:	04/13/21
Lab Sample ID:	FA84711-1	Date Received:	04/15/21
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%
17060-07-0	1,2-Dichloroethane-D4	106%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.1
4

Report of Analysis

Client Sample ID:	MW-24	Date Sampled:	04/13/21
Lab Sample ID:	FA84711-2	Date Received:	04/15/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Y56888.D	25	04/20/21 19:27	SO	n/a	n/a	VY2360
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	630	250	ug/l	
71-43-2	Benzene	ND	25	7.8	ug/l	
75-27-4	Bromodichloromethane	ND	25	6.1	ug/l	
75-25-2	Bromoform	ND	25	10	ug/l	
78-93-3	2-Butanone (MEK)	ND	130	50	ug/l	
75-15-0	Carbon Disulfide	ND	50	13	ug/l	
56-23-5	Carbon Tetrachloride	ND	25	8.9	ug/l	
108-90-7	Chlorobenzene	ND	25	5.0	ug/l	
75-00-3	Chloroethane	ND	50	17	ug/l	
67-66-3	Chloroform	ND	25	7.5	ug/l	
124-48-1	Dibromochloromethane	ND	25	6.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	25	8.5	ug/l	
107-06-2	1,2-Dichloroethane	ND	25	7.8	ug/l	
75-35-4	1,1-Dichloroethylene	ND	25	8.1	ug/l	
156-59-2	cis-1,2-Dichloroethylene	16.8	25	6.9	ug/l	J
156-60-5	trans-1,2-Dichloroethylene	ND	25	5.5	ug/l	
78-87-5	1,2-Dichloropropane	ND	25	11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	25	7.3	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	25	5.4	ug/l	
100-41-4	Ethylbenzene	ND	25	8.9	ug/l	
591-78-6	2-Hexanone	ND	250	50	ug/l	
74-83-9	Methyl Bromide	ND	130	50	ug/l	
74-87-3	Methyl Chloride	ND	50	13	ug/l	
75-09-2	Methylene Chloride	ND	130	50	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	130	25	ug/l	
100-42-5	Styrene	ND	25	5.6	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	7.5	ug/l	
127-18-4	Tetrachloroethylene	1910	25	5.4	ug/l	
108-88-3	Toluene	ND	25	7.5	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	25	6.2	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	25	12	ug/l	
79-01-6	Trichloroethylene	ND	25	8.6	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-24	Date Sampled:	04/13/21
Lab Sample ID:	FA84711-2	Date Received:	04/15/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	25	10	ug/l	
1330-20-7	Xylene (total)	ND	75	18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%
17060-07-0	1,2-Dichloroethane-D4	114%		79-125%
2037-26-5	Toluene-D8	104%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-36D	Date Sampled:	04/13/21
Lab Sample ID:	FA84711-3	Date Received:	04/15/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Y56889.D	1	04/20/21 19:56	SO	n/a	n/a	VY2360
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.24	1.0	0.22	ug/l	J
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-36D	Date Sampled:	04/13/21
Lab Sample ID:	FA84711-3	Date Received:	04/15/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%
17060-07-0	1,2-Dichloroethane-D4	114%		79-125%
2037-26-5	Toluene-D8	105%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1	Date Sampled:	04/13/21
Lab Sample ID:	FA84711-4	Date Received:	04/15/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Y56890.D	2	04/20/21 20:25	SO	n/a	n/a	VY2360
Run #2 ^b	C0148006.D	1	04/21/21 11:00	SO	n/a	n/a	VC5961

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	20	ug/l	
71-43-2	Benzene	ND	2.0	0.62	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.48	ug/l	
75-25-2	Bromoform	ND	2.0	0.81	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.0	ug/l	
75-15-0	Carbon Disulfide	ND	4.0	1.1	ug/l	
56-23-5	Carbon Tetrachloride	ND	2.0	0.71	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.40	ug/l	
75-00-3	Chloroethane	ND	4.0	1.3	ug/l	
67-66-3	Chloroform	ND	2.0	0.60	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.55	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.68	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.62	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.64	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.94	2.0	0.55	ug/l	J
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.44	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.85	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.58	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.71	ug/l	
591-78-6	2-Hexanone	ND	20	4.0	ug/l	
74-83-9	Methyl Bromide	ND	10	4.0	ug/l	
74-87-3	Methyl Chloride	ND	4.0	1.0	ug/l	
75-09-2	Methylene Chloride	ND	10	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	2.0	0.44	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.60	ug/l	
127-18-4	Tetrachloroethylene	46.1	2.0	0.43	ug/l	
108-88-3	Toluene	ND	2.0	0.60	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.93	ug/l	
79-01-6	Trichloroethylene	0.85	2.0	0.69	ug/l	J

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1	Date Sampled:	04/13/21
Lab Sample ID:	FA84711-4	Date Received:	04/15/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	2.0	0.82	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	115%	106%	79-125%
2037-26-5	Toluene-D8	105%	101%	85-112%
460-00-4	4-Bromofluorobenzene	98%	99%	83-118%

(a) Sample was not preserved to a pH < 2.

(b) Sample was not preserved to a pH < 2; reported results are considered minimum values. Confirmation run.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-13D	Date Sampled:	04/13/21
Lab Sample ID:	FA84711-5	Date Received:	04/15/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Y56891.D	2	04/20/21 20:54	SO	n/a	n/a	VY2360
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	20	ug/l	
71-43-2	Benzene	ND	2.0	0.62	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.48	ug/l	
75-25-2	Bromoform	ND	2.0	0.81	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.0	ug/l	
75-15-0	Carbon Disulfide	ND	4.0	1.1	ug/l	
56-23-5	Carbon Tetrachloride	ND	2.0	0.71	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.40	ug/l	
75-00-3	Chloroethane	ND	4.0	1.3	ug/l	
67-66-3	Chloroform	ND	2.0	0.60	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.55	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.68	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.62	ug/l	
75-35-4	1,1-Dichloroethylene	1.9	2.0	0.64	ug/l	J
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.55	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.44	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.85	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.58	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.71	ug/l	
591-78-6	2-Hexanone	ND	20	4.0	ug/l	
74-83-9	Methyl Bromide	ND	10	4.0	ug/l	
74-87-3	Methyl Chloride	ND	4.0	1.0	ug/l	
75-09-2	Methylene Chloride	ND	10	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	2.0	0.44	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.60	ug/l	
127-18-4	Tetrachloroethylene	116	2.0	0.43	ug/l	
108-88-3	Toluene	ND	2.0	0.60	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.93	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.69	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-13D	Date Sampled:	04/13/21
Lab Sample ID:	FA84711-5	Date Received:	04/15/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	2.0	0.82	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%
17060-07-0	1,2-Dichloroethane-D4	115%		79-125%
2037-26-5	Toluene-D8	104%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-21D	Date Sampled:	04/14/21
Lab Sample ID:	FA84711-6	Date Received:	04/15/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0148016.D	1	04/21/21 15:36	SO	n/a	n/a	VC5961
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.90	1.0	0.32	ug/l	J
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	27.5	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-21D	Date Sampled:	04/14/21
Lab Sample ID:	FA84711-6	Date Received:	04/15/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%
17060-07-0	1,2-Dichloroethane-D4	105%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-2	Date Sampled:	04/14/21
Lab Sample ID:	FA84711-7	Date Received:	04/15/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0148017.D	1	04/21/21 16:04	SO	n/a	n/a	VC5961
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.71	1.0	0.22	ug/l	J
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-2	Date Sampled:	04/14/21
Lab Sample ID:	FA84711-7	Date Received:	04/15/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%
17060-07-0	1,2-Dichloroethane-D4	105%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-21	Date Sampled:	04/14/21
Lab Sample ID:	FA84711-8	Date Received:	04/15/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0148018.D	200	04/21/21 16:32	SO	n/a	n/a	VC5961
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5000	2000	ug/l	
71-43-2	Benzene	ND	200	62	ug/l	
75-27-4	Bromodichloromethane	ND	200	48	ug/l	
75-25-2	Bromoform	ND	200	81	ug/l	
78-93-3	2-Butanone (MEK)	ND	1000	400	ug/l	
75-15-0	Carbon Disulfide	ND	400	110	ug/l	
56-23-5	Carbon Tetrachloride	ND	200	71	ug/l	
108-90-7	Chlorobenzene	ND	200	40	ug/l	
75-00-3	Chloroethane	ND	400	130	ug/l	
67-66-3	Chloroform	ND	200	60	ug/l	
124-48-1	Dibromochloromethane	ND	200	55	ug/l	
75-34-3	1,1-Dichloroethane	ND	200	68	ug/l	
107-06-2	1,2-Dichloroethane	ND	200	62	ug/l	
75-35-4	1,1-Dichloroethylene	ND	200	64	ug/l	
156-59-2	cis-1,2-Dichloroethylene	359	200	55	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	200	44	ug/l	
78-87-5	1,2-Dichloropropane	ND	200	85	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	200	58	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	200	43	ug/l	
100-41-4	Ethylbenzene	ND	200	71	ug/l	
591-78-6	2-Hexanone	ND	2000	400	ug/l	
74-83-9	Methyl Bromide	ND	1000	400	ug/l	
74-87-3	Methyl Chloride	ND	400	100	ug/l	
75-09-2	Methylene Chloride	ND	1000	400	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	1000	200	ug/l	
100-42-5	Styrene	ND	200	44	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	200	60	ug/l	
127-18-4	Tetrachloroethylene	13600	200	43	ug/l	
108-88-3	Toluene	ND	200	60	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	200	93	ug/l	
79-01-6	Trichloroethylene	199	200	69	ug/l	J

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-21	Date Sampled:	04/14/21
Lab Sample ID:	FA84711-8	Date Received:	04/15/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	200	82	ug/l	
1330-20-7	Xylene (total)	ND	600	140	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		83-118%
17060-07-0	1,2-Dichloroethane-D4	104%		79-125%
2037-26-5	Toluene-D8	103%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IDW-1	Date Sampled:	04/14/21
Lab Sample ID:	FA84711-9	Date Received:	04/15/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0148019.D	5	04/21/21 16:59	SO	n/a	n/a	VC5961
Run #2 ^b	P79414.D	10	04/30/21 08:34	LR	n/a	n/a	VP3208

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	120	130	50	ug/l	J
71-43-2	Benzene	ND	5.0	1.6	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/l	
75-25-2	Bromoform	ND	5.0	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	25	10	ug/l	
75-15-0	Carbon Disulfide	ND	10	2.7	ug/l	
56-23-5	Carbon Tetrachloride	ND	5.0	1.8	ug/l	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/l	
75-00-3	Chloroethane	ND	10	3.3	ug/l	
67-66-3	Chloroform	ND	5.0	1.5	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	1.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	1.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	1.6	ug/l	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.6	ug/l	
156-59-2	cis-1,2-Dichloroethylene	11.5	5.0	1.4	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.1	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	2.1	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	ND	5.0	1.8	ug/l	
591-78-6	2-Hexanone	ND	50	10	ug/l	
74-83-9	Methyl Bromide	ND	25	10	ug/l	
74-87-3	Methyl Chloride	ND	10	2.5	ug/l	
75-09-2	Methylene Chloride	ND	25	10	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	25	5.0	ug/l	
100-42-5	Styrene	ND	5.0	1.1	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.5	ug/l	
127-18-4	Tetrachloroethylene	572 ^c	10	2.2	ug/l	
108-88-3	Toluene	ND	5.0	1.5	ug/l	
71-55-6	1,1,1-Trichloroethane	1.9	5.0	1.2	ug/l	J
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.3	ug/l	
79-01-6	Trichloroethylene	9.4 ^c	10	3.5	ug/l	J

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IDW-1	Date Sampled:	04/14/21
Lab Sample ID:	FA84711-9	Date Received:	04/15/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	5.0	2.0	ug/l	
1330-20-7	Xylene (total)	ND	15	3.6	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	105%	98%	79-125%
2037-26-5	Toluene-D8	103%	88%	85-112%
460-00-4	4-Bromofluorobenzene	99%	103%	83-118%

(a) Sample was not preserved to a pH < 2.

(b) Sample was not preserved to a pH < 2. Sample re-analyzed beyond hold time; reported results are considered minimum values.

(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IDW-1	Date Sampled:	04/14/21
Lab Sample ID:	FA84711-9	Date Received:	04/15/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6F08453.D	1	04/23/21 17:25	WH	04/21/21 09:00	OP85022	S6F322
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid ^a	ND	48	9.6	ug/l	
59-50-7	4-Chloro-3-methyl Phenol	ND	4.8	0.57	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	0.61	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	0.80	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	0.71	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	4.8	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.6	1.9	ug/l	
95-48-7	2-Methylphenol	ND	4.8	0.54	ug/l	
	3&4-Methylphenol	ND	4.8	0.94	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	0.82	ug/l	
100-02-7	4-Nitrophenol	ND	24	4.8	ug/l	
87-86-5	Pentachlorophenol	ND	24	4.8	ug/l	
108-95-2	Phenol	ND	4.8	0.48	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.8	0.71	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	0.72	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.60	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.61	ug/l	
120-12-7	Anthracene	ND	4.8	0.77	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.73	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.75	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.75	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	0.79	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.82	ug/l	
100-51-6	Benzyl Alcohol ^b	ND	4.8	0.59	ug/l	
101-55-3	4-Bromophenyl Phenyl Ether	ND	4.8	0.81	ug/l	
85-68-7	Butyl Benzyl Phthalate	ND	4.8	0.96	ug/l	
86-74-8	Carbazole	ND	4.8	0.58	ug/l	
106-47-8	4-Chloroaniline	ND	4.8	0.61	ug/l	
111-91-1	bis(2-Chloroethoxy)methane ^c	ND	4.8	0.78	ug/l	
111-44-4	bis(2-Chloroethyl)ether ^a	ND	4.8	0.70	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane) ^a	ND	4.8	0.73	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.48	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IDW-1	Date Sampled:	04/14/21
Lab Sample ID:	FA84711-9	Date Received:	04/15/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
7005-72-3	4-Chlorophenyl Phenyl Ether	ND	4.8	0.52	ug/l	
218-01-9	Chrysene	ND	4.8	0.82	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.77	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.58	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.48	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.48	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.48	ug/l	
91-94-1	3,3' -Dichlorobenzidine	ND	4.8	0.62	ug/l	
84-66-2	Diethyl Phthalate	ND	4.8	0.96	ug/l	
131-11-3	Dimethyl Phthalate	ND	4.8	0.96	ug/l	
84-74-2	Di-n-butyl Phthalate	ND	4.8	0.96	ug/l	
117-84-0	Di-n-octyl Phthalate	ND	4.8	0.96	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	0.78	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	0.69	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	0.96	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.53	ug/l	
86-73-7	Fluorene	ND	4.8	0.67	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.67	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	0.48	ug/l	
77-47-4	Hexachlorocyclopentadiene ^a	ND	4.8	1.7	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.6	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	0.69	ug/l	
78-59-1	Isophorone ^c	ND	4.8	0.75	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.58	ug/l	
91-20-3	Naphthalene	ND	4.8	0.48	ug/l	
88-74-4	2-Nitroaniline ^a	ND	4.8	1.7	ug/l	
99-09-2	3-Nitroaniline	ND	4.8	0.85	ug/l	
100-01-6	4-Nitroaniline	ND	4.8	1.1	ug/l	
98-95-3	Nitrobenzene ^c	ND	4.8	0.90	ug/l	
621-64-7	N-Nitrosodi-n-propylamine ^a	ND	4.8	0.64	ug/l	
86-30-6	N-Nitrosodiphenylamine ^a	ND	4.8	0.78	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.83	ug/l	
129-00-0	Pyrene	ND	4.8	0.66	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	20%		14-67%
4165-62-2	Phenol-d5	13%		10-50%
118-79-6	2,4,6-Tribromophenol	60%		33-118%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IDW-1	Date Sampled:	04/14/21
Lab Sample ID:	FA84711-9	Date Received:	04/15/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	64%		42-108%
321-60-8	2-Fluorobiphenyl	59%		40-106%
1718-51-0	Terphenyl-d14	69%		39-121%

- (a) Associated CCV outside of control limits high, sample was ND.
- (b) Associated BS recovery outside control limits.
- (c) Associated BS outside control limits high, sample was ND. Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IDW-1	Date Sampled: 04/14/21
Lab Sample ID: FA84711-9	Date Received: 04/15/21
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC	

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	1.0 U	6.0	1.0	ug/l	1	04/17/21	04/19/21 LM	SW846 6010D ¹	SW846 3010A ³
Arsenic	1.3 U	10	1.3	ug/l	1	04/17/21	04/19/21 LM	SW846 6010D ¹	SW846 3010A ³
Beryllium	0.20 U	4.0	0.20	ug/l	1	04/17/21	04/19/21 LM	SW846 6010D ¹	SW846 3010A ³
Cadmium	0.20 U	5.0	0.20	ug/l	1	04/17/21	04/19/21 LM	SW846 6010D ¹	SW846 3010A ³
Chromium	4.0 J	10	1.0	ug/l	1	04/17/21	04/19/21 LM	SW846 6010D ¹	SW846 3010A ³
Copper	3.3 J	25	1.0	ug/l	1	04/17/21	04/19/21 LM	SW846 6010D ¹	SW846 3010A ³
Lead	3.0 J	5.0	1.1	ug/l	1	04/17/21	04/19/21 LM	SW846 6010D ¹	SW846 3010A ³
Mercury	0.030 U	0.50	0.030	ug/l	1	04/22/21	04/22/21 JC	SW846 7470A ²	SW846 7470A ⁴
Nickel	1.3 J	40	0.40	ug/l	1	04/17/21	04/19/21 LM	SW846 6010D ¹	SW846 3010A ³
Selenium	2.9 U	10	2.9	ug/l	1	04/17/21	04/19/21 LM	SW846 6010D ¹	SW846 3010A ³
Silver	0.70 U	10	0.70	ug/l	1	04/17/21	04/19/21 LM	SW846 6010D ¹	SW846 3010A ³
Thallium	1.4 U	10	1.4	ug/l	1	04/17/21	04/19/21 LM	SW846 6010D ¹	SW846 3010A ³
Zinc	39.9	20	4.4	ug/l	1	04/17/21	04/19/21 LM	SW846 6010D ¹	SW846 3010A ³

(1) Instrument QC Batch: MA17634

(2) Instrument QC Batch: MA17646

(3) Prep QC Batch: MP38829

(4) Prep QC Batch: MP38868

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SW-01-LC	Date Sampled:	04/14/21
Lab Sample ID:	FA84711-10	Date Received:	04/15/21
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0148020.D	1	04/21/21 17:27	SO	n/a	n/a	VC5961
Run #2 ^b	P79415.D	1	04/30/21 08:59	LR	n/a	n/a	VP3208

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	2.1	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SW-01-LC	Date Sampled:	04/14/21
Lab Sample ID:	FA84711-10	Date Received:	04/15/21
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	104%	100%	79-125%
2037-26-5	Toluene-D8	102%	87%	85-112%
460-00-4	4-Bromofluorobenzene	101%	102%	83-118%

(a) Sample was not preserved to a pH < 2.

(b) Sample was not preserved to a pH < 2. Sample re-analyzed beyond hold time; reported results are considered minimum values. Confirmation run.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SW-04-TLC	Date Sampled:	04/14/21
Lab Sample ID:	FA84711-11	Date Received:	04/15/21
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0148021.D	1	04/21/21 17:55	SO	n/a	n/a	VC5961
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SW-04-TLC	Date Sampled:	04/14/21
Lab Sample ID:	FA84711-11	Date Received:	04/15/21
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%
17060-07-0	1,2-Dichloroethane-D4	106%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SW-02-LC	Date Sampled:	04/14/21
Lab Sample ID:	FA84711-12	Date Received:	04/15/21
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0148022.D	1	04/21/21 18:22	SO	n/a	n/a	VC5961
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SW-02-LC	Date Sampled:	04/14/21
Lab Sample ID:	FA84711-12	Date Received:	04/15/21
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%
17060-07-0	1,2-Dichloroethane-D4	107%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.12
4

Report of Analysis

Client Sample ID:	SW-03-HMB	Date Sampled:	04/14/21
Lab Sample ID:	FA84711-13	Date Received:	04/15/21
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0148023.D	1	04/21/21 18:50	SO	n/a	n/a	VC5961
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SW-03-HMB	Date Sampled:	04/14/21
Lab Sample ID:	FA84711-13	Date Received:	04/15/21
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		83-118%
17060-07-0	1,2-Dichloroethane-D4	104%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Misc. Forms

5

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

FA84711

AECOM**Chain of Custody and Analytical Request**
 Page 1 of 1
 Project Number: 60656874.1a
 Chain of Custody Number ⁽¹⁾:
 P.O. # 106712

Project Name / Location: UTC Delavan Spray Technologies Site, Bamberg SC					Sample Analysis Requested										Quality Assurance Samples		
Client Name: UTC					COMMENTS Cooler ID												
Collected by: Randy Morgan/Mariah Rockwe																	
Project Manager: Leslee Alexander																	
Sample ID	Date Collected (dd-mm-yy)	Time Collected (Military) (hh:mm)	See Comments			Sample Information	TCL VOCs (8260D)	TCL SVOCs (8270E)	PM 13								
			COMP	GRAB	Well												
1 <i>Tip Blank</i>	<i>13-Apr-2021</i>			<i>X</i>		Groundwater	<i>X</i>										ALL VOC'S ARE UNPRESERVED
2 <i>MW-24</i>	<i>13-Apr-2021</i>	<i>1500</i>			<i>X</i>		<i>X</i>										7 DAY HOLDING TIME
3 <i>MW-36D</i>	<i>13-Apr-2021</i>	<i>1518</i>			<i>X</i>		<i>X</i>										
4 <i>MW-1</i>	<i>13-Apr-2021</i>	<i>1600</i>			<i>X</i>		<i>X</i>										
5 <i>MW-13D</i>	<i>13-Apr-2021</i>	<i>1608</i>			<i>X</i>		<i>X</i>										
6 <i>MW-21D</i>	<i>14-Apr-2021</i>	<i>0835</i>			<i>X</i>		<i>X</i>										
7 <i>MW-2</i>	<i>14-Apr-2021</i>	<i>0840</i>			<i>X</i>		<i>X</i>										
8 <i>MW-21</i>	<i>14-Apr-2021</i>	<i>0908</i>			<i>X</i>		<i>X</i>										
9 <i>FDW-1</i>	<i>14-Apr-2021</i>	<i>0925</i>	<i>X</i>	<i>X</i>			<i>X</i>	<i>X</i>	<i>X</i>								INITIAL ASSESSMENT <i>Do</i>
10 <i>SW-01-LC</i>	<i>14-Apr-2021</i>	<i>1000</i>	<i>X</i>			Surface water	<i>X</i>										
11 <i>SW-04-TLC</i>	<i>14-Apr-2021</i>	<i>1010</i>	<i>X</i>				<i>X</i>										LABEL VERIFICATION <i>CM</i>
12 <i>SW-02-LC</i>	<i>14-Apr-2021</i>	<i>1025</i>	<i>X</i>				<i>X</i>										
13 <i>SW-03-HMB</i>	<i>14-Apr-2021</i>	<i>1035</i>	<i>X</i>				<i>X</i>										

Custody Transfers Prior to Receipt by Laboratory					Sample Delivery Details / Laboratory Receipt				
Relinquished By (Signed): <i>Randy Morgan</i>	Date: <i>4-14-2021</i>	Time: <i>1345</i>	Received by (Signed): <i>FPC EX</i>	Date: <i>4-14-21</i>	Time: <i>1345</i>	Delivered Directly to Lab:	Shipped:	XXXX	
2. <i>FW</i>			1. <i>FPC EX</i>			Method of Shipment:	Fed Ex	Airbill #:	
3. <i>FW</i>			2. <i>Nikita</i>	<i>4/15/21</i>	<i>1000</i>	Analytical Lab:	Accutest	Location: Orlando FLA	
			3. <i>Nikita</i>			Lab Recipient:		Date: Time:	

1.) Chain of Custody Number = date collected + custody number (E.G. 01-19-2004-01)

VOC'S ARE UNPRESERVED 7 DAY HOLDING TIME

1.0 IL#4

52745\admin\project control\project forms\Blank COC

FA84711: Chain of Custody

Page 1 of 3

SGS

SGS Sample Receipt Summary

Job Number: FA84711 **Client:** UTC **Project:** UTC DELAVAN SPRAY TECHNOLOGIES SITE,
Date / Time Received: 4/15/2021 10:00:00 AM **Delivery Method:** FED EX **Airbill #s:** 506145063163

Therm ID: IR 1; **Therm CF:** -1.8; **# of Coolers:** 1
Cooler Temps (Raw Measured) °C: Cooler 1: (2.8);
Cooler Temps (Corrected) °C: Cooler 1: (1.0);

Cooler Information

	<u>Y</u>	<u>or</u>	<u>N</u>
1. Custody Seals Present	☒		☐
2. Custody Seals Intact	☒		☐
3. Temp criteria achieved	☒		☐
4. Cooler temp verification	<u>IR Gun</u>		
5. Cooler media	<u>Ice (Bag)</u>		

Sample Information

	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Sample labels present on bottles	☒		☐	
2. Samples preserved properly	☒		☐	
3. Sufficient volume/containers recvd for analysis:	☒		☐	
4. Condition of sample	<u>Intact</u>			
5. Sample recvd within HT	☒		☐	
6. Dates/Times/IDs on COC match Sample Label	☒		☐	
7. VOCs have headspace	☐		☒	☐
8. Bottles received for unspecified tests	☐		☒	
9. Compositing instructions clear	☐		☐	☒
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☒
11. % Solids Jar received?	☐		☐	☒
12. Residual Chlorine Present?	☐		☐	☒

Trip Blank Information

	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Trip Blank present / cooler	☒		☐	☐
2. Trip Blank listed on COC	☒		☐	☐
	<u>W</u>	<u>or</u>	<u>S</u>	<u>N/A</u>
3. Type Of TB Received	☒		☐	☐

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____
 Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____
 Residual Chlorine Test Strip Lot #: _____

Comments

SM001 Technician: NATHANS Date: 4/15/2021 10:00:00 A Reviewer: _____ Date: _____
 Rev. Date 05/24/17

FA84711: Chain of Custody

Page 2 of 3

Job Change Order: FA84711

Requested Date:	4/19/2021	Received Date:	4/15/2021
Account Name:	Raytheon Technologies	Due Date:	4/29/2021
Project Description:	AECOMSCG: Delavan Spray Technologies; Bambe	Deliverable:	COMMBN
CSR:	MM	TAT (Days):	14

=====

Sample #:	FA84711-1	Change:
Dept:		COC listed ID as Trip Blank. Per client ID should be listed as Trip Blank 3.
TAT:	14	
TRIP BLANK 3		

=====

FA84711: Chain of Custody

Page 3 of 3

Above Changes Per: Doria Cullom

Date/Time: 4/19/2021 12:40:07 PM

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Page 1 of 1

MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Page 1 of 2

Job Number: FA84711**Account:** UTC Raytheon Technologies**Project:** AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2360-MB	Y56873.D	1	04/20/21	SO	n/a	n/a	VY2360

The QC reported here applies to the following samples:**Method:** SW846 8260D

FA84711-1, FA84711-2, FA84711-3, FA84711-4, FA84711-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

Method Blank Summary

Job Number: FA84711
Account: UTC Raytheon Technologies
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2360-MB	Y56873.D	1	04/20/21	SO	n/a	n/a	VY2360

The QC reported here applies to the following samples: Method: SW846 8260D
FA84711-1, FA84711-2, FA84711-3, FA84711-4, FA84711-5

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	98% 83-118%
17060-07-0	1,2-Dichloroethane-D4	106% 79-125%
2037-26-5	Toluene-D8	98% 85-112%
460-00-4	4-Bromofluorobenzene	97% 83-118%

Method Blank Summary

Page 1 of 2

Job Number: FA84711**Account:** UTC Raytheon Technologies**Project:** AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC5961-MB	C0148005.D	1	04/21/21	SO	n/a	n/a	VC5961

The QC reported here applies to the following samples:**Method:** SW846 8260D

FA84711-6, FA84711-7, FA84711-8, FA84711-9, FA84711-10, FA84711-11, FA84711-12, FA84711-13

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

Method Blank Summary

Job Number: FA84711
Account: UTC Raytheon Technologies
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC5961-MB	C0148005.D	1	04/21/21	SO	n/a	n/a	VC5961

The QC reported here applies to the following samples: Method: SW846 8260D
FA84711-6, FA84711-7, FA84711-8, FA84711-9, FA84711-10, FA84711-11, FA84711-12, FA84711-13

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	97% 83-118%
17060-07-0	1,2-Dichloroethane-D4	104% 79-125%
2037-26-5	Toluene-D8	102% 85-112%
460-00-4	4-Bromofluorobenzene	99% 83-118%

Method Blank Summary

Job Number: FA84711
Account: UTC Raytheon Technologies
Project: AECOMSCG; Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VP3208-MB	P79402.D	1	04/30/21	LR	n/a	n/a	VP3208

The QC reported here applies to the following samples: Method: SW846 8260D

FA84711-9

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	97% 83-118%
17060-07-0	1,2-Dichloroethane-D4	100% 79-125%
2037-26-5	Toluene-D8	88% 85-112%
460-00-4	4-Bromofluorobenzene	103% 83-118%

Blank Spike Summary

Page 1 of 2

Job Number: FA84711

Account: UTC Raytheon Technologies

Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2360-BS	Y56871.D	1	04/20/21	SO	n/a	n/a	VY2360

The QC reported here applies to the following samples:

Method: SW846 8260D

FA84711-1, FA84711-2, FA84711-3, FA84711-4, FA84711-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	115	92	50-147
71-43-2	Benzene	25	24.8	99	81-122
75-27-4	Bromodichloromethane	25	25.8	103	79-123
75-25-2	Bromoform	25	21.1	84	66-123
78-93-3	2-Butanone (MEK)	125	106	85	56-143
75-15-0	Carbon Disulfide	25	25.0	100	66-148
56-23-5	Carbon Tetrachloride	25	25.9	104	76-136
108-90-7	Chlorobenzene	25	21.7	87	82-124
75-00-3	Chloroethane	25	24.2	97	62-144
67-66-3	Chloroform	25	24.6	98	80-124
124-48-1	Dibromochloromethane	25	22.1	88	78-122
75-34-3	1,1-Dichloroethane	25	26.8	107	81-122
107-06-2	1,2-Dichloroethane	25	23.9	96	75-125
75-35-4	1,1-Dichloroethylene	25	27.2	109	78-137
156-59-2	cis-1,2-Dichloroethylene	25	24.9	100	78-120
156-60-5	trans-1,2-Dichloroethylene	25	26.0	104	76-127
78-87-5	1,2-Dichloropropane	25	24.7	99	76-124
10061-01-5	cis-1,3-Dichloropropene	25	24.3	97	75-118
10061-02-6	trans-1,3-Dichloropropene	25	24.0	96	80-120
100-41-4	Ethylbenzene	25	22.6	90	81-121
591-78-6	2-Hexanone	125	112	90	61-129
74-83-9	Methyl Bromide	25	26.3	105	59-143
74-87-3	Methyl Chloride	25	24.1	96	50-159
75-09-2	Methylene Chloride	25	25.9	104	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	99.8	80	66-122
100-42-5	Styrene	25	23.1	92	78-119
79-34-5	1,1,2,2-Tetrachloroethane	25	20.2	81	72-120
127-18-4	Tetrachloroethylene	25	22.8	91	76-135
108-88-3	Toluene	25	21.7	87	80-120
71-55-6	1,1,1-Trichloroethane	25	25.7	103	75-130
79-00-5	1,1,2-Trichloroethane	25	22.1	88	76-119
79-01-6	Trichloroethylene	25	23.6	94	81-126
75-01-4	Vinyl Chloride	25	23.6	94	69-159
1330-20-7	Xylene (total)	75	69.7	93	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA84711
Account: UTC Raytheon Technologies
Project: AECOMSCG; Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2360-BS	Y56871.D	1	04/20/21	SO	n/a	n/a	VY2360

The QC reported here applies to the following samples: Method: SW846 8260D
FA84711-1, FA84711-2, FA84711-3, FA84711-4, FA84711-5

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	101%	79-125%
2037-26-5	Toluene-D8	96%	85-112%
460-00-4	4-Bromofluorobenzene	97%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Page 1 of 2

Job Number: FA84711**Account:** UTC Raytheon Technologies**Project:** AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC5961-BS	C0148002.D	1	04/21/21	SO	n/a	n/a	VC5961

The QC reported here applies to the following samples:**Method:** SW846 8260D

FA84711-6, FA84711-7, FA84711-8, FA84711-9, FA84711-10, FA84711-11, FA84711-12, FA84711-13

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	105	84	50-147
71-43-2	Benzene	25	22.0	88	81-122
75-27-4	Bromodichloromethane	25	22.5	90	79-123
75-25-2	Bromoform	25	21.9	88	66-123
78-93-3	2-Butanone (MEK)	125	97.7	78	56-143
75-15-0	Carbon Disulfide	25	21.5	86	66-148
56-23-5	Carbon Tetrachloride	25	23.8	95	76-136
108-90-7	Chlorobenzene	25	22.9	92	82-124
75-00-3	Chloroethane	25	20.9	84	62-144
67-66-3	Chloroform	25	22.3	89	80-124
124-48-1	Dibromochloromethane	25	22.5	90	78-122
75-34-3	1,1-Dichloroethane	25	23.2	93	81-122
107-06-2	1,2-Dichloroethane	25	21.8	87	75-125
75-35-4	1,1-Dichloroethylene	25	23.6	94	78-137
156-59-2	cis-1,2-Dichloroethylene	25	21.4	86	78-120
156-60-5	trans-1,2-Dichloroethylene	25	22.5	90	76-127
78-87-5	1,2-Dichloropropane	25	21.5	86	76-124
10061-01-5	cis-1,3-Dichloropropene	25	20.6	82	75-118
10061-02-6	trans-1,3-Dichloropropene	25	23.8	95	80-120
100-41-4	Ethylbenzene	25	23.1	92	81-121
591-78-6	2-Hexanone	125	114	91	61-129
74-83-9	Methyl Bromide	25	24.0	96	59-143
74-87-3	Methyl Chloride	25	19.0	76	50-159
75-09-2	Methylene Chloride	25	20.2	81	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	113	90	66-122
100-42-5	Styrene	25	22.9	92	78-119
79-34-5	1,1,2,2-Tetrachloroethane	25	22.9	92	72-120
127-18-4	Tetrachloroethylene	25	24.4	98	76-135
108-88-3	Toluene	25	22.6	90	80-120
71-55-6	1,1,1-Trichloroethane	25	23.3	93	75-130
79-00-5	1,1,2-Trichloroethane	25	23.3	93	76-119
79-01-6	Trichloroethylene	25	21.4	86	81-126
75-01-4	Vinyl Chloride	25	21.0	84	69-159
1330-20-7	Xylene (total)	75	69.5	93	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA84711
Account: UTC Raytheon Technologies
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC5961-BS	C0148002.D	1	04/21/21	SO	n/a	n/a	VC5961

The QC reported here applies to the following samples: Method: SW846 8260D
FA84711-6, FA84711-7, FA84711-8, FA84711-9, FA84711-10, FA84711-11, FA84711-12, FA84711-13

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	103%	79-125%
2037-26-5	Toluene-D8	104%	85-112%
460-00-4	4-Bromofluorobenzene	99%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA84711
Account: UTC Raytheon Technologies
Project: AECOMSCG; Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VP3208-BS	P79399.D	1	04/30/21	LR	n/a	n/a	VP3208

The QC reported here applies to the following samples: Method: SW846 8260D

FA84711-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
127-18-4	Tetrachloroethylene	25	24.8	99	76-135
79-01-6	Trichloroethylene	25	25.9	104	81-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	101%	79-125%
2037-26-5	Toluene-D8	90%	85-112%
460-00-4	4-Bromofluorobenzene	105%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: FA84711

Account: UTC Raytheon Technologies

Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA84711-2MS	Y56894.D	25	04/20/21	SO	n/a	n/a	VY2360
FA84711-2MSD	Y56895.D	25	04/20/21	SO	n/a	n/a	VY2360
FA84711-2 ^a	Y56888.D	25	04/20/21	SO	n/a	n/a	VY2360

The QC reported here applies to the following samples:

Method: SW846 8260D

FA84711-1, FA84711-2, FA84711-3, FA84711-4, FA84711-5

CAS No.	Compound	FA84711-2 ug/l	Spike Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		3130	3050	98	3130	3300	106	8	50-147/21
71-43-2	Benzene	ND		625	560	90	625	567	91	1	81-122/14
75-27-4	Bromodichloromethane	ND		625	588	94	625	596	95	1	79-123/19
75-25-2	Bromoform	ND		625	550	88	625	588	94	7	66-123/21
78-93-3	2-Butanone (MEK)	ND		3130	2840	91	3130	3050	98	7	56-143/18
75-15-0	Carbon Disulfide	ND		625	559	89	625	572	92	2	66-148/23
56-23-5	Carbon Tetrachloride	ND		625	599	96	625	620	99	3	76-136/23
108-90-7	Chlorobenzene	ND		625	565	90	625	582	93	3	82-124/14
75-00-3	Chloroethane	ND		625	698	112	625	671	107	4	62-144/20
67-66-3	Chloroform	ND		625	576	92	625	575	92	0	80-124/15
124-48-1	Dibromochloromethane	ND		625	575	92	625	602	96	5	78-122/19
75-34-3	1,1-Dichloroethane	ND		625	617	99	625	635	102	3	81-122/15
107-06-2	1,2-Dichloroethane	ND		625	588	94	625	592	95	1	75-125/14
75-35-4	1,1-Dichloroethylene	ND		625	610	98	625	634	101	4	78-137/18
156-59-2	cis-1,2-Dichloroethylene	16.8	J	625	571	89	625	573	89	0	78-120/15
156-60-5	trans-1,2-Dichloroethylene	ND		625	582	93	625	600	96	3	76-127/17
78-87-5	1,2-Dichloropropane	ND		625	547	88	625	556	89	2	76-124/14
10061-01-5	cis-1,3-Dichloropropene	ND		625	536	86	625	542	87	1	75-118/23
10061-02-6	trans-1,3-Dichloropropene	ND		625	617	99	625	637	102	3	80-120/22
100-41-4	Ethylbenzene	ND		625	590	94	625	608	97	3	81-121/14
591-78-6	2-Hexanone	ND		3130	3580	115	3130	3930	126	9	61-129/18
74-83-9	Methyl Bromide	ND		625	599	96	625	596	95	1	59-143/19
74-87-3	Methyl Chloride	ND		625	548	88	625	598	96	9	50-159/19
75-09-2	Methylene Chloride	ND		625	610	98	625	621	99	2	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		3130	3040	97	3130	3290	105	8	66-122/16
100-42-5	Styrene	ND		625	588	94	625	606	97	3	78-119/23
79-34-5	1,1,2,2-Tetrachloroethane	ND		625	599	96	625	632	101	5	72-120/14
127-18-4	Tetrachloroethylene	1910		625	2470	90	625	2540	101	3	76-135/16
108-88-3	Toluene	ND		625	558	89	625	578	92	4	80-120/14
71-55-6	1,1,1-Trichloroethane	ND		625	600	96	625	616	99	3	75-130/16
79-00-5	1,1,2-Trichloroethane	ND		625	597	96	625	619	99	4	76-119/14
79-01-6	Trichloroethylene	ND		625	558	89	625	563	90	1	81-126/15
75-01-4	Vinyl Chloride	ND		625	607	97	625	592	95	3	69-159/18
1330-20-7	Xylene (total)	ND		1880	1770	94	1880	1840	98	4	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: FA84711

Account: UTC Raytheon Technologies

Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA84711-2MS	Y56894.D	25	04/20/21	SO	n/a	n/a	VY2360
FA84711-2MSD	Y56895.D	25	04/20/21	SO	n/a	n/a	VY2360
FA84711-2 ^a	Y56888.D	25	04/20/21	SO	n/a	n/a	VY2360

The QC reported here applies to the following samples:

Method: SW846 8260D

FA84711-1, FA84711-2, FA84711-3, FA84711-4, FA84711-5

CAS No.	Surrogate Recoveries	MS	MSD	FA84711-2	Limits
1868-53-7	Dibromofluoromethane	98%	97%	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	111%	109%	114%	79-125%
2037-26-5	Toluene-D8	103%	104%	104%	85-112%
460-00-4	4-Bromofluorobenzene	94%	94%	96%	83-118%

(a) Sample was not preserved to a pH < 2.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 2

Job Number: FA84711

Account: UTC Raytheon Technologies

Project: AECOMSCG; Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA84747-22MS	C0148024.D	2.5	04/21/21	SO	n/a	n/a	VC5961
FA84747-22MSD	C0148025.D	2.5	04/21/21	SO	n/a	n/a	VC5961
FA84747-22 ^a	C0148011.D	2.5	04/21/21	SO	n/a	n/a	VC5961

The QC reported here applies to the following samples:

Method: SW846 8260D

FA84711-6, FA84711-7, FA84711-8, FA84711-9, FA84711-10, FA84711-11, FA84711-12, FA84711-13

CAS No.	Compound	FA84747-22 ug/l	Spike Q	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND	313	287	92	313	275	88	4	50-147/21
71-43-2	Benzene	ND	62.5	58.9	94	62.5	57.9	93	2	81-122/14
75-27-4	Bromodichloromethane	ND	62.5	59.9	96	62.5	60.4	97	1	79-123/19
75-25-2	Bromoform	ND	62.5	55.7	89	62.5	59.1	95	6	66-123/21
78-93-3	2-Butanone (MEK)	ND	313	269	86	313	270	86	0	56-143/18
75-15-0	Carbon Disulfide	ND	62.5	56.4	90	62.5	56.3	90	0	66-148/23
56-23-5	Carbon Tetrachloride	ND	62.5	63.6	102	62.5	62.6	100	2	76-136/23
108-90-7	Chlorobenzene	ND	62.5	60.3	96	62.5	60.1	96	0	82-124/14
75-00-3	Chloroethane	ND	62.5	58.3	93	62.5	57.4	92	2	62-144/20
67-66-3	Chloroform	ND	62.5	58.4	93	62.5	59.8	96	2	80-124/15
124-48-1	Dibromochloromethane	ND	62.5	59.0	94	62.5	60.4	97	2	78-122/19
75-34-3	1,1-Dichloroethane	ND	62.5	63.5	102	62.5	62.4	100	2	81-122/15
107-06-2	1,2-Dichloroethane	ND	62.5	56.5	90	62.5	58.2	93	3	75-125/14
75-35-4	1,1-Dichloroethylene	3.6	62.5	67.2	102	62.5	68.6	104	2	78-137/18
156-59-2	cis-1,2-Dichloroethylene	7.1	62.5	65.7	94	62.5	66.2	95	1	78-120/15
156-60-5	trans-1,2-Dichloroethylene	ND	62.5	61.9	99	62.5	60.8	97	2	76-127/17
78-87-5	1,2-Dichloropropane	ND	62.5	57.9	93	62.5	59.0	94	2	76-124/14
10061-01-5	cis-1,3-Dichloropropene	ND	62.5	54.6	87	62.5	55.0	88	1	75-118/23
10061-02-6	trans-1,3-Dichloropropene	ND	62.5	61.7	99	62.5	61.7	99	0	80-120/22
100-41-4	Ethylbenzene	ND	62.5	60.5	97	62.5	61.3	98	1	81-121/14
591-78-6	2-Hexanone	ND	313	316	101	313	316	101	0	61-129/18
74-83-9	Methyl Bromide	ND	62.5	47.1	75	62.5	48.7	78	3	59-143/19
74-87-3	Methyl Chloride	ND	62.5	44.3	71	62.5	47.3	76	7	50-159/19
75-09-2	Methylene Chloride	ND	62.5	55.0	88	62.5	54.7	88	1	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	313	298	95	313	304	97	2	66-122/16
100-42-5	Styrene	ND	62.5	60.8	97	62.5	61.4	98	1	78-119/23
79-34-5	1,1,2,2-Tetrachloroethane	ND	62.5	61.5	98	62.5	61.0	98	1	72-120/14
127-18-4	Tetrachloroethylene	132	62.5	221	142* ^b	62.5	225	149* ^b	2	76-135/16
108-88-3	Toluene	ND	62.5	61.3	98	62.5	59.7	96	3	80-120/14
71-55-6	1,1,1-Trichloroethane	ND	62.5	63.2	101	62.5	62.3	100	1	75-130/16
79-00-5	1,1,2-Trichloroethane	ND	62.5	61.3	98	62.5	61.5	98	0	76-119/14
79-01-6	Trichloroethylene	6.3	62.5	63.3	91	62.5	66.2	96	4	81-126/15
75-01-4	Vinyl Chloride	ND	62.5	58.7	94	62.5	57.7	92	2	69-159/18
1330-20-7	Xylene (total)	ND	188	182	97	188	185	99	2	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 2 of 2

Job Number: FA84711

Account: UTC Raytheon Technologies

Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA84747-22MS	C0148024.D	2.5	04/21/21	SO	n/a	n/a	VC5961
FA84747-22MSD	C0148025.D	2.5	04/21/21	SO	n/a	n/a	VC5961
FA84747-22 ^a	C0148011.D	2.5	04/21/21	SO	n/a	n/a	VC5961

The QC reported here applies to the following samples:

Method: SW846 8260D

FA84711-6, FA84711-7, FA84711-8, FA84711-9, FA84711-10, FA84711-11, FA84711-12, FA84711-13

CAS No.	Surrogate Recoveries	MS	MSD	FA84747-22	Limits
1868-53-7	Dibromofluoromethane	99%	98%	95%	83-118%
17060-07-0	1,2-Dichloroethane-D4	105%	103%	105%	79-125%
2037-26-5	Toluene-D8	105%	105%	102%	85-112%
460-00-4	4-Bromofluorobenzene	100%	100%	99%	83-118%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values. Confirmation run.

(b) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: FA84711

Account: UTC Raytheon Technologies

Project: AECOMSCG; Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA84711-9MS	P79418.D	10	04/30/21	LR	n/a	n/a	VP3208
FA84711-9MSD	P79419.D	10	04/30/21	LR	n/a	n/a	VP3208
FA84711-9 ^a	P79414.D	10	04/30/21	LR	n/a	n/a	VP3208

The QC reported here applies to the following samples:

Method: SW846 8260D

FA84711-9

CAS No.	Compound	FA84711-9 ug/l	Spike Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
127-18-4	Tetrachloroethylene	572		250	874	121	250	813	96	7	76-135/16
79-01-6	Trichloroethylene	9.4	J	250	291	113	250	270	104	7	81-126/15

CAS No.	Surrogate Recoveries	MS	MSD	FA84711-9	Limits
1868-53-7	Dibromofluoromethane	99%	99%	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	101%	98%	98%	79-125%
2037-26-5	Toluene-D8	88%	89%	88%	85-112%
460-00-4	4-Bromofluorobenzene	103%	103%	103%	83-118%

(a) Sample was not preserved to a pH < 2. Sample re-analyzed beyond hold time; reported results are considered minimum values.

* = Outside of Control Limits.

MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

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Job Number: FA84711**Account:** UTC Raytheon Technologies**Project:** AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP85022-MB	6F08442.D	1	04/23/21	WH	04/21/21	OP85022	S6F322

The QC reported here applies to the following samples:**Method:** SW846 8270E

FA84711-9

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	50	10	ug/l	
59-50-7	4-Chloro-3-methyl Phenol	ND	5.0	0.59	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.63	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	0.84	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	0.74	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	5.0	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	0.56	ug/l	
	3&4-Methylphenol	ND	5.0	0.98	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.85	ug/l	
100-02-7	4-Nitrophenol	ND	25	5.0	ug/l	
87-86-5	Pentachlorophenol	ND	25	5.0	ug/l	
108-95-2	Phenol	ND	5.0	0.50	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.74	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.75	ug/l	
83-32-9	Acenaphthene	ND	5.0	0.63	ug/l	
208-96-8	Acenaphthylene	ND	5.0	0.64	ug/l	
120-12-7	Anthracene	ND	5.0	0.80	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	0.76	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	0.78	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	0.78	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	0.82	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	0.86	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	0.61	ug/l	
101-55-3	4-Bromophenyl Phenyl Ether	ND	5.0	0.85	ug/l	
85-68-7	Butyl Benzyl Phthalate	ND	5.0	1.0	ug/l	
86-74-8	Carbazole	ND	5.0	0.60	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.63	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.81	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.73	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	5.0	0.76	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.50	ug/l	
7005-72-3	4-Chlorophenyl Phenyl Ether	ND	5.0	0.54	ug/l	
218-01-9	Chrysene	ND	5.0	0.85	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	0.80	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.60	ug/l	

Method Blank Summary

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Job Number: FA84711

Account: UTC Raytheon Technologies

Project: AECOMSCG; Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP85022-MB	6F08442.D	1	04/23/21	WH	04/21/21	OP85022	S6F322

The QC reported here applies to the following samples:

Method: SW846 8270E

FA84711-9

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	0.50	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.64	ug/l	
84-66-2	Diethyl Phthalate	ND	5.0	1.0	ug/l	
131-11-3	Dimethyl Phthalate	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl Phthalate	ND	5.0	1.0	ug/l	
117-84-0	Di-n-octyl Phthalate	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.81	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.71	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	1.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	0.55	ug/l	
86-73-7	Fluorene	ND	5.0	0.70	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	0.69	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.8	ug/l	
67-72-1	Hexachloroethane	ND	5.0	1.6	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	0.71	ug/l	
78-59-1	Isophorone	ND	5.0	0.78	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.60	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	1.8	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.88	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	1.2	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.93	ug/l	
621-64-7	N-Nitrosodi-n-propylamine	ND	5.0	0.67	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.81	ug/l	
85-01-8	Phenanthrene	ND	5.0	0.86	ug/l	
129-00-0	Pyrene	ND	5.0	0.68	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.1	ug/l	

CAS No.	Surrogate Recoveries	Limits
367-12-4	2-Fluorophenol	36% 14-67%
4165-62-2	Phenol-d5	23% 10-50%

Method Blank Summary

Job Number: FA84711
Account: UTC Raytheon Technologies
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP85022-MB	6F08442.D	1	04/23/21	WH	04/21/21	OP85022	S6F322

The QC reported here applies to the following samples: Method: SW846 8270E

FA84711-9

CAS No.	Surrogate Recoveries	Limits
118-79-6	2,4,6-Tribromophenol	84% 33-118%
4165-60-0	Nitrobenzene-d5	89% 42-108%
321-60-8	2-Fluorobiphenyl	79% 40-106%
1718-51-0	Terphenyl-d14	77% 39-121%

Blank Spike Summary

Page 1 of 3

Job Number: FA84711**Account:** UTC Raytheon Technologies**Project:** AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP85022-BS	6F08441.D	1	04/23/21	WH	04/21/21	OP85022	S6F322

The QC reported here applies to the following samples:**Method:** SW846 8270E

FA84711-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	30.3	30	10-69
59-50-7	4-Chloro-3-methyl Phenol	50	41.6	83	54-103
95-57-8	2-Chlorophenol	50	35.3	71	52-98
120-83-2	2,4-Dichlorophenol	50	41.0	82	53-103
105-67-9	2,4-Dimethylphenol	50	39.6	79	43-90
51-28-5	2,4-Dinitrophenol	100	90.8	91	44-112
534-52-1	4,6-Dinitro-o-cresol	100	93.5	94	66-121
95-48-7	2-Methylphenol	50	28.6	57	43-90
	3&4-Methylphenol	100	57.9	58	36-88
88-75-5	2-Nitrophenol	50	40.0	80	53-102
100-02-7	4-Nitrophenol	100	24.2	24	18-62
87-86-5	Pentachlorophenol	100	86.3	86	61-115
108-95-2	Phenol	50	16.1	32	19-56
95-95-4	2,4,5-Trichlorophenol	50	47.7	95	62-109
88-06-2	2,4,6-Trichlorophenol	50	45.2	90	59-107
83-32-9	Acenaphthene	50	38.3	77	61-107
208-96-8	Acenaphthylene	50	43.0	86	60-104
120-12-7	Anthracene	50	36.7	73	65-108
56-55-3	Benzo(a)anthracene	50	41.1	82	66-111
50-32-8	Benzo(a)pyrene	50	44.4	89	62-107
205-99-2	Benzo(b)fluoranthene	50	42.4	85	65-114
191-24-2	Benzo(g,h,i)perylene	50	38.6	77	66-116
207-08-9	Benzo(k)fluoranthene	50	43.1	86	65-114
100-51-6	Benzyl Alcohol	50	20.8	42*	46-94
101-55-3	4-Bromophenyl Phenyl Ether	50	44.7	89	65-109
85-68-7	Butyl Benzyl Phthalate	50	45.7	91	65-112
86-74-8	Carbazole	50	39.3	79	59-113
106-47-8	4-Chloroaniline	50	37.2	74	49-105
111-91-1	bis(2-Chloroethoxy)methane	50	54.8	110*	51-102
111-44-4	bis(2-Chloroethyl)ether	50	47.5	95	53-100
108-60-1	2,2'-Oxybis(1-chloropropane)	50	52.3	105	45-106
91-58-7	2-Chloronaphthalene	50	41.6	83	57-103
7005-72-3	4-Chlorophenyl Phenyl Ether	50	41.8	84	62-105
218-01-9	Chrysene	50	42.5	85	66-111
53-70-3	Dibenzo(a,h)anthracene	50	39.4	79	66-119
132-64-9	Dibenzofuran	50	39.7	79	61-106

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: FA84711**Account:** UTC Raytheon Technologies**Project:** AECOMSCG; Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP85022-BS	6F08441.D	1	04/23/21	WH	04/21/21	OP85022	S6F322

The QC reported here applies to the following samples:**Method:** SW846 8270E

FA84711-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-50-1	1,2-Dichlorobenzene	50	38.3	77	48-97
541-73-1	1,3-Dichlorobenzene	50	38.8	78	45-95
106-46-7	1,4-Dichlorobenzene	50	36.7	73	45-98
91-94-1	3,3'-Dichlorobenzidine	50	43.7	87	46-117
84-66-2	Diethyl Phthalate	50	45.9	92	64-108
131-11-3	Dimethyl Phthalate	50	44.9	90	63-106
84-74-2	Di-n-butyl Phthalate	50	42.7	85	65-107
117-84-0	Di-n-octyl Phthalate	50	46.1	92	62-118
121-14-2	2,4-Dinitrotoluene	50	46.1	92	61-110
606-20-2	2,6-Dinitrotoluene	50	43.4	87	63-108
117-81-7	bis(2-Ethylhexyl)phthalate	50	44.9	90	61-117
206-44-0	Fluoranthene	50	41.0	82	63-106
86-73-7	Fluorene	50	41.2	82	62-108
118-74-1	Hexachlorobenzene	50	37.1	74	63-108
87-68-3	Hexachlorobutadiene	50	42.2	84	42-102
77-47-4	Hexachlorocyclopentadiene	50	47.2	94	39-102
67-72-1	Hexachloroethane	50	43.9	88	42-100
193-39-5	Indeno(1,2,3-cd)pyrene	50	39.2	78	64-119
78-59-1	Isophorone	50	49.6	99*	43-87
91-57-6	2-Methylnaphthalene	50	37.5	75	51-102
91-20-3	Naphthalene	50	38.0	76	47-100
88-74-4	2-Nitroaniline	50	59.5	119	54-128
99-09-2	3-Nitroaniline	50	39.5	79	56-106
100-01-6	4-Nitroaniline	50	43.9	88	55-120
98-95-3	Nitrobenzene	50	53.2	106*	50-104
621-64-7	N-Nitrosodi-n-propylamine	50	50.1	100	52-104
86-30-6	N-Nitrosodiphenylamine	50	39.1	78	64-108
85-01-8	Phenanthrene	50	38.3	77	66-110
129-00-0	Pyrene	50	41.7	83	64-113
120-82-1	1,2,4-Trichlorobenzene	50	37.9	76	45-97

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	43%	14-67%
4165-62-2	Phenol-d5	28%	10-50%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA84711
Account: UTC Raytheon Technologies
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP85022-BS	6F08441.D	1	04/23/21	WH	04/21/21	OP85022	S6F322

The QC reported here applies to the following samples: Method: SW846 8270E

FA84711-9

CAS No.	Surrogate Recoveries	BSP	Limits
118-79-6	2,4,6-Tribromophenol	80%	33-118%
4165-60-0	Nitrobenzene-d5	98%	42-108%
321-60-8	2-Fluorobiphenyl	85%	40-106%
1718-51-0	Terphenyl-d14	77%	39-121%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 3

Job Number: FA84711

Account: UTC Raytheon Technologies

Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP85022-MS	6F08454.D	1	04/23/21	WH	04/21/21	OP85022	S6F322
OP85022-MSD	6F08455.D	1	04/23/21	WH	04/21/21	OP85022	S6F322
FA84711-9	6F08453.D	1	04/23/21	WH	04/21/21	OP85022	S6F322

The QC reported here applies to the following samples:

Method: SW846 8270E

FA84711-9

CAS No.	Compound	FA84711-9 ug/l	Spike Q	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND	192	80.3	42	192	88.2	46	9	10-69/39
59-50-7	4-Chloro-3-methyl Phenol	ND	96.2	81.0	84	96.2	85.6	89	6	54-103/23
95-57-8	2-Chlorophenol	ND	96.2	65.5	68	96.2	72.0	75	9	52-98/25
120-83-2	2,4-Dichlorophenol	ND	96.2	76.2	79	96.2	81.5	85	7	53-103/26
105-67-9	2,4-Dimethylphenol	ND	96.2	77.5	81	96.2	82.2	85	6	43-90/27
51-28-5	2,4-Dinitrophenol	ND	192	168	87	192	194	101	14	44-112/25
534-52-1	4,6-Dinitro-o-cresol	ND	192	174	90	192	196	102	12	66-121/23
95-48-7	2-Methylphenol	ND	96.2	60.7	63	96.2	64.7	67	6	43-90/28
	3&4-Methylphenol	ND	192	127	66	192	136	71	7	36-88/28
88-75-5	2-Nitrophenol	ND	96.2	73.4	76	96.2	81.4	85	10	53-102/29
100-02-7	4-Nitrophenol	ND	192	76.3	40	192	87.8	46	14	18-62/33
87-86-5	Pentachlorophenol	ND	192	173	90	192	189	98	9	61-115/26
108-95-2	Phenol	ND	96.2	40.5	42	96.2	44.8	47	10	19-56/35
95-95-4	2,4,5-Trichlorophenol	ND	96.2	89.7	93	96.2	96.1	100	7	62-109/22
88-06-2	2,4,6-Trichlorophenol	ND	96.2	85.1	89	96.2	94.6	98	11	59-107/23
83-32-9	Acenaphthene	ND	96.2	73.2	76	96.2	79.0	82	8	61-107/22
208-96-8	Acenaphthylene	ND	96.2	79.6	83	96.2	85.3	89	7	60-104/22
120-12-7	Anthracene	ND	96.2	68.4	71	96.2	75.8	79	10	65-108/20
56-55-3	Benzo(a)anthracene	ND	96.2	77.4	80	96.2	85.2	89	10	66-111/22
50-32-8	Benzo(a)pyrene	ND	96.2	80.1	83	96.2	88.2	92	10	62-107/23
205-99-2	Benzo(b)fluoranthene	ND	96.2	78.5	82	96.2	86.6	90	10	65-114/23
191-24-2	Benzo(g,h,i)perylene	ND	96.2	70.4	73	96.2	77.5	81	10	66-116/23
207-08-9	Benzo(k)fluoranthene	ND	96.2	76.8	80	96.2	84.7	88	10	65-114/24
100-51-6	Benzyl Alcohol	ND	96.2	42.0	44*	96.2	46.9	49	11	46-94/27
101-55-3	4-Bromophenyl Phenyl Ether	ND	96.2	83.5	87	96.2	93.1	97	11	65-109/23
85-68-7	Butyl Benzyl Phthalate	ND	96.2	84.0	87	96.2	90.4	94	7	65-112/24
86-74-8	Carbazole	ND	96.2	75.5	79	96.2	82.2	85	8	59-113/21
106-47-8	4-Chloroaniline	ND	96.2	67.8	71	96.2	75.8	79	11	49-105/27
111-91-1	bis(2-Chloroethoxy)methane	ND	96.2	99.3	103*	96.2	107	111*	7	51-102/28
111-44-4	bis(2-Chloroethyl)ether	ND	96.2	85.4	89	96.2	90.4	94	6	53-100/27
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	96.2	93.2	97	96.2	99.1	103	6	45-106/26
91-58-7	2-Chloronaphthalene	ND	96.2	77.5	81	96.2	85.5	89	10	57-103/23
7005-72-3	4-Chlorophenyl Phenyl Ether	ND	96.2	79.4	83	96.2	84.4	88	6	62-105/20
218-01-9	Chrysene	ND	96.2	80.7	84	96.2	87.6	91	8	66-111/22
53-70-3	Dibenzo(a,h)anthracene	ND	96.2	70.9	74	96.2	77.2	80	9	66-119/24
132-64-9	Dibenzofuran	ND	96.2	75.5	79	96.2	78.5	82	4	61-106/21

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 2 of 3

Job Number: FA84711

Account: UTC Raytheon Technologies

Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP85022-MS	6F08454.D	1	04/23/21	WH	04/21/21	OP85022	S6F322
OP85022-MSD	6F08455.D	1	04/23/21	WH	04/21/21	OP85022	S6F322
FA84711-9	6F08453.D	1	04/23/21	WH	04/21/21	OP85022	S6F322

The QC reported here applies to the following samples:

Method: SW846 8270E

FA84711-9

CAS No.	Compound	FA84711-9 ug/l	Spike Q	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD	
95-50-1	1,2-Dichlorobenzene	ND		96.2	70.6	73	96.2	72.4	75	3	48-97/24
541-73-1	1,3-Dichlorobenzene	ND		96.2	68.6	71	96.2	72.6	76	6	45-95/25
106-46-7	1,4-Dichlorobenzene	ND		96.2	67.1	70	96.2	71.5	74	6	45-98/25
91-94-1	3,3'-Dichlorobenzidine	ND		96.2	76.0	79	96.2	82.5	86	8	46-117/29
84-66-2	Diethyl Phthalate	ND		96.2	89.5	93	96.2	95.8	100	7	64-108/21
131-11-3	Dimethyl Phthalate	ND		96.2	84.3	88	96.2	90.9	95	8	63-106/22
84-74-2	Di-n-butyl Phthalate	ND		96.2	80.1	83	96.2	90.8	94	13	65-107/21
117-84-0	Di-n-octyl Phthalate	ND		96.2	82.3	86	96.2	90.2	94	9	62-118/24
121-14-2	2,4-Dinitrotoluene	ND		96.2	87.9	91	96.2	96.1	100	9	61-110/21
606-20-2	2,6-Dinitrotoluene	ND		96.2	81.9	85	96.2	88.7	92	8	63-108/21
117-81-7	bis(2-Ethylhexyl)phthalate	ND		96.2	82.8	86	96.2	88.9	92	7	61-117/23
206-44-0	Fluoranthene	ND		96.2	78.9	82	96.2	87.2	91	10	63-106/21
86-73-7	Fluorene	ND		96.2	77.2	80	96.2	82.9	86	7	62-108/20
118-74-1	Hexachlorobenzene	ND		96.2	71.0	74	96.2	77.4	80	9	63-108/22
87-68-3	Hexachlorobutadiene	ND		96.2	77.3	80	96.2	83.5	87	8	42-102/28
77-47-4	Hexachlorocyclopentadiene	ND		96.2	86.8	90	96.2	96.5	100	11	39-102/29
67-72-1	Hexachloroethane	ND		96.2	77.7	81	96.2	81.7	85	5	42-100/29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		96.2	72.5	75	96.2	78.3	81	8	64-119/24
78-59-1	Isophorone	ND		96.2	86.8	90*	96.2	95.0	99*	9	43-87/25
91-57-6	2-Methylnaphthalene	ND		96.2	67.4	70	96.2	72.7	76	8	51-102/26
91-20-3	Naphthalene	ND		96.2	69.5	72	96.2	76.0	79	9	47-100/29
88-74-4	2-Nitroaniline	ND		96.2	116	121	96.2	128	133*	10	54-128/24
99-09-2	3-Nitroaniline	ND		96.2	73.0	76	96.2	84.1	87	14	56-106/27
100-01-6	4-Nitroaniline	ND		96.2	89.7	93	96.2	92.9	97	4	55-120/24
98-95-3	Nitrobenzene	ND		96.2	96.9	101	96.2	107	111*	10	50-104/28
621-64-7	N-Nitrosodi-n-propylamine	ND		96.2	91.3	95	96.2	97.3	101	6	52-104/25
86-30-6	N-Nitrosodiphenylamine	ND		96.2	73.3	76	96.2	81.9	85	11	64-108/23
85-01-8	Phenanthrene	ND		96.2	72.2	75	96.2	78.9	82	9	66-110/21
129-00-0	Pyrene	ND		96.2	80.5	84	96.2	85.7	89	6	64-113/23
120-82-1	1,2,4-Trichlorobenzene	ND		96.2	68.7	71	96.2	73.4	76	7	45-97/28

CAS No.	Surrogate Recoveries	MS	MSD	FA84711-9	Limits
367-12-4	2-Fluorophenol	48%	53%	20%	14-67%
4165-62-2	Phenol-d5	36%	40%	13%	10-50%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA84711
Account: UTC Raytheon Technologies
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP85022-MS	6F08454.D	1	04/23/21	WH	04/21/21	OP85022	S6F322
OP85022-MSD	6F08455.D	1	04/23/21	WH	04/21/21	OP85022	S6F322
FA84711-9	6F08453.D	1	04/23/21	WH	04/21/21	OP85022	S6F322

The QC reported here applies to the following samples: Method: SW846 8270E

FA84711-9

CAS No.	Surrogate Recoveries	MS	MSD	FA84711-9	Limits
118-79-6	2,4,6-Tribromophenol	80%	91%	60%	33-118%
4165-60-0	Nitrobenzene-d5	90%	95%	64%	42-108%
321-60-8	2-Fluorobiphenyl	83%	90%	59%	40-106%
1718-51-0	Terphenyl-d14	76%	81%	69%	39-121%

* = Outside of Control Limits.

Metals Analysis

QC Data Summaries

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Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA84711
Account: UTC - Raytheon Technologies
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

QC Batch ID: MP38829
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 04/17/21

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	14	14		
Antimony	6.0	1	1	1.2	<6.0
Arsenic	10	1.3	1.3	-1.7	<10
Barium	200	1	1		
Beryllium	4.0	.2	.2	0.0	<4.0
Cadmium	5.0	.2	.2	-0.10	<5.0
Calcium	1000	50	50		
Chromium	10	1	1	-0.20	<10
Cobalt	50	.2	.2		
Copper	25	1	1	1.5	<25
Iron	300	17	17		
Lead	5.0	1	1.1	0.0	<5.0
Magnesium	5000	35	35		
Manganese	15	.5	1		
Molybdenum	50	.3	.3		
Nickel	40	.4	.4	-0.20	<40
Potassium	10000	200	200		
Selenium	10	2.4	2.9	0.90	<10
Silver	10	.7	.7	0.0	<10
Sodium	10000	500	500		
Strontium	10	.5	.5		
Thallium	10	1.1	1.4	-0.40	<10
Tin	50	.9	1		
Titanium	10	.5	1		
Vanadium	50	.5	.6		
Zinc	20	3	4.4	3.7	<20

Associated samples MP38829: FA84711-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA84711
 Account: UTC - Raytheon Technologies
 Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

QC Batch ID: MP38829
 Matrix Type: AQUEOUS

Methods: SW846 6010D
 Units: ug/l

Prep Date: 04/17/21 04/17/21

Metal	FA84625-4 Original	DUP	RPD	QC Limits	FA84625-4 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum									
Antimony	50.5	0.0 (a)	0.0	0-20	50.5	383 (a)	500	76.6N(d)	80-120
Arsenic	0.0	0.0 (a)	NC	0-20	0.0	2040 (a)	2000	102.0	80-120
Barium	anr								
Beryllium	0.0	0.0 (a)	NC	0-20	0.0	49.7 (a)	50	99.4	80-120
Cadmium	0.0	0.0 (a)	NC	0-20	0.0	50.2 (a)	50	100.4	80-120
Calcium									
Chromium	16.0	13.3 (a)	18.4	0-20	16.0	218 (a)	200	101.0	80-120
Cobalt									
Copper	27.5	14.8 (a)	60.0 (b)	0-20	27.5	264 (a)	250	94.6	80-120
Iron									
Lead	39.6	32.8 (a)	18.8	0-20	39.6	518 (a)	500	95.7	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel	0.0	0.0 (a)	NC	0-20	0.0	503 (a)	500	100.6	80-120
Potassium									
Selenium	0.00	0.0 (c)	NC	0-20	0.00	1930 (c)	2000	96.5	80-120
Silver	0.0	0.0 (a)	NC	0-20	0.0	51.5 (a)	50	103.0	80-120
Sodium									
Strontium									
Thallium	0.0	0.0 (a)	NC	0-20	0.0	1870 (a)	2000	93.5	80-120
Tin									
Titanium									
Vanadium									
Zinc	291000	270000	7.5	0-20	291000	220000	500	-14200.0e80-120	

Associated samples MP38829: FA84711-9

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Sample dilution required due to difficult matrix.

(b) RPD acceptable due to low duplicate and sample concentrations.

(c) Elevated reporting limit(s) due to matrix interference.

(d) Spike recovery indicates possible matrix interference.

(e) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA84711
 Account: UTC - Raytheon Technologies
 Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

QC Batch ID: MP38829
 Matrix Type: AQUEOUS

Methods: SW846 6010D
 Units: ug/l

Prep Date: 04/17/21

Metal	FA84625-4 Original MSD	SpikeLot MPFLICP2 % Rec	MSD RPD	QC Limit
Aluminum				
Antimony	50.5	373 (a) 500	74.6N(b) 2.6	20
Arsenic	0.0	2010 (a) 2000	100.5	20
Barium	anr			
Beryllium	0.0	48.8 (a) 50	97.6	20
Cadmium	0.0	49.9 (a) 50	99.8	20
Calcium				
Chromium	16.0	215 (a) 200	99.5	20
Cobalt				
Copper	27.5	258 (a) 250	92.2	20
Iron				
Lead	39.6	516 (a) 500	95.3	20
Magnesium				
Manganese				
Molybdenum				
Nickel	0.0	493 (a) 500	98.6	20
Potassium				
Selenium	0.00	1960 (c) 2000	98.0	20
Silver	0.0	50.3 (a) 50	100.6	20
Sodium				
Strontium				
Thallium	0.0	1840 (a) 2000	92.0	20
Tin				
Titanium				
Vanadium				
Zinc	291000	261000 500	-6000.0d 17.0	20

Associated samples MP38829: FA84711-9

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Sample dilution required due to difficult matrix.

(b) Spike recovery indicates possible matrix interference.

(c) Elevated reporting limit(s) due to matrix interference.

(d) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA84711
 Account: UTC - Raytheon Technologies
 Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

QC Batch ID: MP38829
 Matrix Type: AQUEOUS

Methods: SW846 6010D
 Units: ug/l

Prep Date: 04/17/21

Metal	BSP Result	Spike lot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony	492	500	98.4	80-120
Arsenic	1980	2000	99.0	80-120
Barium	anr			
Beryllium	50.1	50	100.2	80-120
Cadmium	49.7	50	99.4	80-120
Calcium				
Chromium	195	200	97.5	80-120
Cobalt				
Copper	257	250	102.8	80-120
Iron				
Lead	467	500	93.4	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel	502	500	100.4	80-120
Potassium				
Selenium	1920	2000	96.0	80-120
Silver	51.0	50	102.0	80-120
Sodium				
Strontium				
Thallium	1890	2000	94.5	80-120
Tin				
Titanium				
Vanadium				
Zinc	495	500	99.0	80-120

Associated samples MP38829: FA84711-9

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

8.1.3
8

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA84711
 Account: UTC - Raytheon Technologies
 Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

QC Batch ID: MP38829
 Matrix Type: AQUEOUS

Methods: SW846 6010D
 Units: ug/l

Prep Date: 04/17/21

Metal	FA84625-4 Original	SDL 5:25	%DIF	QC Limits
Aluminum				
Antimony	50.5	0.00	NC	0-10
Arsenic	0.00	0.00	NC	0-10
Barium	anr			
Beryllium	0.00	0.00	NC	0-10
Cadmium	0.00	0.00	NC	0-10
Calcium				
Chromium	16.0	0.00	100.0(a)	0-10
Cobalt				
Copper	27.5	0.00	100.0(a)	0-10
Iron				
Lead	39.6	0.00	100.0(a)	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel	0.00	0.00	NC	0-10
Potassium				
Selenium	0.00	0.00	NC	0-10
Silver	0.00	0.00	NC	0-10
Sodium				
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium				
Zinc	291000	315000	8.1	0-10

Associated samples MP38829: FA84711-9

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: FA84711
 Account: UTC - Raytheon Technologies
 Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

QC Batch ID: MP38829
 Matrix Type: AQUEOUS

Methods: SW846 6010D
 Units: ug/l

Prep Date:

04/17/21

Metal	Sample ml	Final ml	FA84625-4 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony	9.8	10	50.5		90.7	0.2	5	100	90.7	80-120
Arsenic	9.8	10			105.1	0.2	5	100	105.1	80-120
Barium										
Beryllium	9.8	10			48.7	0.2	2.5	50	97.4	80-120
Cadmium	9.8	10			50	0.2	2.5	50	100.0	80-120
Calcium										
Chromium	9.8	10	16	15.68	64.5	0.2	2.5	50	97.6	80-120
Cobalt										
Copper	9.8	10	27.5	26.95	111.9	0.2	5	100	85.0	80-120
Iron										
Lead	9.8	10	39.6	38.808	81.7	0.2	2.5	50	85.8	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel	9.8	10			98.8	0.2	5	100	98.8	80-120
Potassium										
Selenium	9.8	10			159	0.2	5	100	159.0*(a)	80-120
Silver	9.8	10			48.5	0.2	2.5	50	97.0	80-120
Sodium										
Strontium										
Thallium	9.8	10			75.2	0.2	5	100	75.2*(a)	80-120
Tin										
Titanium										
Vanadium										
Zinc	9.8	10	291100	285278	281400	0.2	12.5	250	-1551.2*(a)	80-120

Associated samples MP38829: FA84711-9

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(**) Corr. sample result = Raw * (sample volume / final volume)

(anr) Analyte not requested

(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA84711
Account: UTC - Raytheon Technologies
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

QC Batch ID: MP38868
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 04/22/21

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.50	.03	.03	-0.064	<0.50

Associated samples MP38868: FA84711-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA84711
 Account: UTC - Raytheon Technologies
 Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

QC Batch ID: MP38868
 Matrix Type: AQUEOUS

Methods: SW846 7470A
 Units: ug/l

Prep Date: 04/22/21 04/22/21

Metal	FA84822-4F Original DUP		RPD	QC Limits	FA84822-4F Original MS		Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.0	0.0	NC	0-20	0.0	3.0	3	100.0	80-120

Associated samples MP38868: FA84711-9

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA84711
 Account: UTC - Raytheon Technologies
 Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

QC Batch ID: MP38868
 Matrix Type: AQUEOUS

Methods: SW846 7470A
 Units: ug/l

Prep Date: 04/22/21

Metal	FA84822-4F Original MSD		Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	2.9	3	96.7	3.4	20

Associated samples MP38868: FA84711-9

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA84711
 Account: UTC - Raytheon Technologies
 Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

QC Batch ID: MP38868
 Matrix Type: AQUEOUS

Methods: SW846 7470A
 Units: ug/l

Prep Date: 04/22/21

Metal	BSP Result	Spike lot HGFLWS1	% Rec	QC Limits
Mercury	2.9	3	96.7	80-120

Associated samples MP38868: FA84711-9

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

82.3

8

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA84711
 Account: UTC - Raytheon Technologies
 Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

QC Batch ID: MP38868
 Matrix Type: AQUEOUS

Methods: SW846 7470A
 Units: ug/l

Prep Date: 04/22/21

Metal	FA84822-4F		%DIF	QC Limits
	Original	SDL 1:5		
Mercury	0.00	0.00	NC	0-10

Associated samples MP38868: FA84711-9

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

8.2.4

8

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Raytheon Technologies

AECOMSCG: Delavan Spray Technologies; Bamberg, SC

60656814/TASK 1A

SGS Job Number: FA84747

Sampling Dates: 04/12/21 - 04/13/21

Report to:

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Total number of pages in report: **82**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.



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Test results relate only to samples analyzed.

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Sample Summary

Raytheon Technologies

Job No: FA84747

AECOMSCG: Delavan Spray Technologies; Bamberg, SC
Project No: 60656814/TASK 1A

Sample Number	Collected Date	Time By	Matrix Received Code	Type	Client Sample ID
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This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

FA84747-1	04/12/21	00:00	RMMR04/16/21	AQ	Trip Blank Water	TRIP BLANK 1
FA84747-2	04/12/21	00:00	RMMR04/16/21	AQ	Trip Blank Water	TRIP BLANK 2
FA84747-3	04/12/21	16:10	RMMR04/16/21	AQ	Ground Water	MW-33D
FA84747-4	04/12/21	16:35	RMMR04/16/21	AQ	Ground Water	MW-37
FA84747-5	04/12/21	16:50	RMMR04/16/21	AQ	Ground Water	MW-30D
FA84747-6	04/12/21	17:23	RMMR04/16/21	AQ	Ground Water	MW-19
FA84747-7	04/12/21	17:30	RMMR04/16/21	AQ	Ground Water	MW-31D
FA84747-8	04/12/21	18:05	RMMR04/16/21	AQ	Ground Water	MW-20
FA84747-9	04/13/21	08:30	RMMR04/16/21	AQ	Ground Water	MW-34D
FA84747-10	04/13/21	08:33	RMMR04/16/21	AQ	Ground Water	MW-10
FA84747-11	04/13/21	09:08	RMMR04/16/21	AQ	Ground Water	MW-10D
FA84747-12	04/13/21	09:10	RMMR04/16/21	AQ	Ground Water	MW-35D



Sample Summary
(continued)

Raytheon Technologies

Job No: FA84747

AECOMSCG: Delavan Spray Technologies; Bamberg, SC
Project No: 60656814/TASK 1A

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
FA84747-13	04/13/21	09:55	RMMR04/16/21	AQ	Ground Water	MW-9
FA84747-13D	04/13/21	09:55	RMMR04/16/21	AQ	Water Dup/MSD	MW-9
FA84747-13S	04/13/21	09:55	RMMR04/16/21	AQ	Water Matrix Spike	MW-9
FA84747-14	04/13/21	10:10	RMMR04/16/21	AQ	Ground Water	MW-22D
FA84747-15	04/13/21	10:10	RMMR04/16/21	AQ	Ground Water	MW-22D-DUP
FA84747-16	04/13/21	10:50	RMMR04/16/21	AQ	Ground Water	MW-8
FA84747-17	04/13/21	10:50	RMMR04/16/21	AQ	Ground Water	MW-25D
FA84747-18	04/13/21	11:30	RMMR04/16/21	AQ	Ground Water	MW-32DR
FA84747-19	04/13/21	11:30	RMMR04/16/21	AQ	Ground Water	MW-32DR-DUP
FA84747-20	04/13/21	12:00	RMMR04/16/21	AQ	Ground Water	MW-12D
FA84747-21	04/13/21	12:15	RMMR04/16/21	AQ	Ground Water	MW-26D
FA84747-22	04/13/21	13:15	RMMR04/16/21	AQ	Ground Water	MW-3D
FA84747-22D	04/13/21	13:15	RMMR04/16/21	AQ	Water Dup/MSD	MW-3D



Sample Summary
(continued)

Raytheon Technologies

Job No: FA84747

AECOMSCG: Delavan Spray Technologies; Bamberg, SC
Project No: 60656814/TASK 1A

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
FA84747-22S	04/13/21	13:15	RMMR04/16/21	AQ	Water Matrix Spike	MW-3D
FA84747-23	04/13/21	13:55	RMMR04/16/21	AQ	Ground Water	MW-14D
FA84747-24	04/13/21	13:55	RMMR04/16/21	AQ	Ground Water	MW-14D-DUP
FA84747-25	04/13/21	14:08	RMMR04/16/21	AQ	Ground Water	MW-3

SAMPLE DELIVERY GROUP CASE NARRATIVE

2

Client: Raytheon Technologies

Job No: FA84747

Site: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Report Date 4/30/2021 11:26:29

23 Sample(s), 2 Trip Blank(s) and 0 Field Blank(s) were collected on between 04/12/2021 and 04/13/2021 and were received at SGS North America Inc - Orlando on 04/16/2021 properly preserved, at 0.8 Deg. C and intact. These Samples received an SGS Orlando job number of FA84747. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section. Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

MS Volatiles By Method SW846 8260D

Matrix: AQ

Batch ID: VC5959

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA84747-4MS, FA84747-4MSD were used as the QC samples indicated.

FA84747-3: Sample was not preserved to a pH < 2.

FA84747-4: Sample was not preserved to a pH < 2.

FA84747-5: Sample was not preserved to a pH < 2.

FA84747-6: Sample was not preserved to a pH < 2.

FA84747-7: Sample was not preserved to a pH < 2.

FA84747-8: Sample was not preserved to a pH < 2.

FA84747-9: Sample was not preserved to a pH < 2.

Matrix: AQ

Batch ID: VC5960

All samples were analyzed within the recommended method holding time.

Sample(s) FA84747-13MS, FA84747-13MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

FA84747-6: Sample was not preserved to a pH < 2; reported results are considered minimum values.

FA84747-7: Sample was not preserved to a pH < 2; reported results are considered minimum values.

FA84747-8: Sample was not preserved to a pH < 2; reported results are considered minimum values. Confirmation run.

FA84747-10: Sample was not preserved to a pH < 2.

FA84747-11: Sample was not preserved to a pH < 2.

FA84747-12: Sample was not preserved to a pH < 2.

FA84747-13: Sample was not preserved to a pH < 2.

FA84747-14: Sample was not preserved to a pH < 2.

FA84747-15: Sample was not preserved to a pH < 2.

FA84747-16: Sample was not preserved to a pH < 2.

FA84747-17: Sample was not preserved to a pH < 2.

FA84747-18: Sample was not preserved to a pH < 2.

FA84747-19: Sample was not preserved to a pH < 2.

FA84747-20: Sample was not preserved to a pH < 2.

FA84747-21: Sample was not preserved to a pH < 2.

FA84747-22: Sample was not preserved to a pH < 2.

FA84747-23: Sample was not preserved to a pH < 2.

FA84747-24: Sample was not preserved to a pH < 2.

FA84747-25: Sample was not preserved to a pH < 2.

Matrix: AQ

Batch ID: VC5961

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA84747-22MS, FA84747-22MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for Tetrachloroethylene are outside control limits. Outside control limits due to high level in sample relative to spike amount.

Matrix Spike Duplicate Recovery(s) for Tetrachloroethylene are outside control limits. Probable cause is due to matrix interference.

FA84747-10: Sample was not preserved to a pH < 2; reported results are considered minimum values. Confirmation run.
FA84747-13: Sample was not preserved to a pH < 2; reported results are considered minimum values. Confirmation run.
FA84747-16: Sample was not preserved to a pH < 2; reported results are considered minimum values. Confirmation run.
FA84747-20: Sample was not preserved to a pH < 2; reported results are considered minimum values.
FA84747-22: Sample was not preserved to a pH < 2; reported results are considered minimum values. Confirmation run.

SGS Orlando certifies that this report meets the project requirements for analytical data produced for the samples as received at SGS Orlando and as stated on the COC. SGS Orlando certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SGS Orlando Quality Manual except as noted above. This report is to be used in its entirety. SGS Orlando is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Ariel Hartney, Client Services (signature on file)

Summary of Hits

Page 1 of 4

Job Number: FA84747
Account: Raytheon Technologies
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC
Collected: 04/12/21 thru 04/13/21



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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FA84747-1 TRIP BLANK 1

No hits reported in this sample.

FA84747-2 TRIP BLANK 2

No hits reported in this sample.

FA84747-3 MW-33D

No hits reported in this sample.

FA84747-4 MW-37

Tetrachloroethylene ^a	17400	250	54	ug/l	SW846 8260D
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FA84747-5 MW-30D

1,1-Dichloroethylene ^a	2.0	1.0	0.32	ug/l	SW846 8260D
cis-1,2-Dichloroethylene ^a	1.1	1.0	0.28	ug/l	SW846 8260D
Tetrachloroethylene ^a	87.7	1.0	0.22	ug/l	SW846 8260D
Trichloroethylene ^a	1.2	1.0	0.35	ug/l	SW846 8260D

FA84747-6 MW-19

Tetrachloroethylene ^b	53900	1000	220	ug/l	SW846 8260D
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FA84747-7 MW-31D

1,1-Dichloroethylene ^a	2.6	2.5	0.81	ug/l	SW846 8260D
cis-1,2-Dichloroethylene ^b	0.47 J	1.0	0.28	ug/l	SW846 8260D
Tetrachloroethylene ^a	92.2	2.5	0.54	ug/l	SW846 8260D
Trichloroethylene ^b	0.43 J	1.0	0.35	ug/l	SW846 8260D

FA84747-8 MW-20

Tetrachloroethylene ^a	222	5.0	1.1	ug/l	SW846 8260D
Trichloroethylene ^a	3.1 J	5.0	1.7	ug/l	SW846 8260D

FA84747-9 MW-34D

No hits reported in this sample.

Summary of Hits

Page 2 of 4

Job Number: FA84747
Account: Raytheon Technologies
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC
Collected: 04/12/21 thru 04/13/21

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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FA84747-10 MW-10

1,1-Dichloroethylene ^a	5.7 J	10	3.2	ug/l	SW846 8260D
cis-1,2-Dichloroethylene ^a	105	10	2.8	ug/l	SW846 8260D
Tetrachloroethylene ^a	66.8	10	2.2	ug/l	SW846 8260D
Trichloroethylene ^a	25.2	10	3.5	ug/l	SW846 8260D

FA84747-11 MW-10D

Tetrachloroethylene ^a	0.40 J	1.0	0.22	ug/l	SW846 8260D
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FA84747-12 MW-35D

No hits reported in this sample.

FA84747-13 MW-9

cis-1,2-Dichloroethylene ^a	14.4	5.0	1.4	ug/l	SW846 8260D
Tetrachloroethylene ^a	156	5.0	1.1	ug/l	SW846 8260D
Trichloroethylene ^a	45.6	5.0	1.7	ug/l	SW846 8260D

FA84747-14 MW-22D

1,1-Dichloroethylene ^a	1.0	1.0	0.32	ug/l	SW846 8260D
Tetrachloroethylene ^a	80.7	1.0	0.22	ug/l	SW846 8260D

FA84747-15 MW-22D-DUP

1,1-Dichloroethylene ^a	1.1	1.0	0.32	ug/l	SW846 8260D
Tetrachloroethylene ^a	82.2	1.0	0.22	ug/l	SW846 8260D

FA84747-16 MW-8

cis-1,2-Dichloroethylene ^a	5.6	5.0	1.4	ug/l	SW846 8260D
Tetrachloroethylene ^a	224	5.0	1.1	ug/l	SW846 8260D
Trichloroethylene ^a	32.2	5.0	1.7	ug/l	SW846 8260D

FA84747-17 MW-25D

1,1-Dichloroethylene ^a	2.1	2.0	0.64	ug/l	SW846 8260D
cis-1,2-Dichloroethylene ^a	0.80 J	2.0	0.55	ug/l	SW846 8260D
Tetrachloroethylene ^a	110	2.0	0.43	ug/l	SW846 8260D
Trichloroethylene ^a	0.85 J	2.0	0.69	ug/l	SW846 8260D

Summary of Hits

Job Number: FA84747
Account: Raytheon Technologies
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC
Collected: 04/12/21 thru 04/13/21

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA84747-18 MW-32DR						
Tetrachloroethylene ^a		16.6	1.0	0.22	ug/l	SW846 8260D
FA84747-19 MW-32DR-DUP						
Tetrachloroethylene ^a		16.7	1.0	0.22	ug/l	SW846 8260D
FA84747-20 MW-12D						
1,1-Dichloroethylene ^a		1.7	1.0	0.32	ug/l	SW846 8260D
Tetrachloroethylene ^b		98.6	2.0	0.43	ug/l	SW846 8260D
FA84747-21 MW-26D						
1,1-Dichloroethylene ^a		0.95 J	1.0	0.32	ug/l	SW846 8260D
cis-1,2-Dichloroethylene ^a		0.88 J	1.0	0.28	ug/l	SW846 8260D
Tetrachloroethylene ^a		53.3	1.0	0.22	ug/l	SW846 8260D
Trichloroethylene ^a		0.83 J	1.0	0.35	ug/l	SW846 8260D
FA84747-22 MW-3D						
1,1-Dichloroethylene ^a		3.7 J	5.0	1.6	ug/l	SW846 8260D
cis-1,2-Dichloroethylene ^a		7.5	5.0	1.4	ug/l	SW846 8260D
Tetrachloroethylene ^a		179	5.0	1.1	ug/l	SW846 8260D
Trichloroethylene ^a		7.4	5.0	1.7	ug/l	SW846 8260D
FA84747-23 MW-14D						
1,1-Dichloroethylene ^a		1.1	1.0	0.32	ug/l	SW846 8260D
cis-1,2-Dichloroethylene ^a		0.62 J	1.0	0.28	ug/l	SW846 8260D
Tetrachloroethylene ^a		54.8	1.0	0.22	ug/l	SW846 8260D
Trichloroethylene ^a		0.55 J	1.0	0.35	ug/l	SW846 8260D
FA84747-24 MW-14D-DUP						
1,1-Dichloroethylene ^a		1.1	1.0	0.32	ug/l	SW846 8260D
cis-1,2-Dichloroethylene ^a		0.53 J	1.0	0.28	ug/l	SW846 8260D
Tetrachloroethylene ^a		54.7	1.0	0.22	ug/l	SW846 8260D
Trichloroethylene ^a		0.53 J	1.0	0.35	ug/l	SW846 8260D
FA84747-25 MW-3						
cis-1,2-Dichloroethylene ^a		2.8	2.0	0.55	ug/l	SW846 8260D
Tetrachloroethylene ^a		137	2.0	0.43	ug/l	SW846 8260D

Summary of Hits

Job Number: FA84747
Account: Raytheon Technologies
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC
Collected: 04/12/21 thru 04/13/21



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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Trichloroethylene ^a		2.5	2.0	0.69	ug/l	SW846 8260D
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- (a) Sample was not preserved to a pH < 2.
(b) Sample was not preserved to a pH < 2; reported results are considered minimum values.



Orlando, FL

Section 4

4

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	TRIP BLANK 1	Date Sampled:	04/12/21
Lab Sample ID:	FA84747-1	Date Received:	04/16/21
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0147947.D	1	04/19/21 12:54	SO	n/a	n/a	VC5959
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK 1	Date Sampled:	04/12/21
Lab Sample ID:	FA84747-1	Date Received:	04/16/21
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		83-118%
17060-07-0	1,2-Dichloroethane-D4	103%		79-125%
2037-26-5	Toluene-D8	94%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.1
4

Report of Analysis

Client Sample ID:	TRIP BLANK 2	Date Sampled:	04/12/21
Lab Sample ID:	FA84747-2	Date Received:	04/16/21
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0147948.D	1	04/19/21 13:22	SO	n/a	n/a	VC5959
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK 2	Date Sampled:	04/12/21
Lab Sample ID:	FA84747-2	Date Received:	04/16/21
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		83-118%
17060-07-0	1,2-Dichloroethane-D4	104%		79-125%
2037-26-5	Toluene-D8	95%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.2
4

Report of Analysis

Client Sample ID:	MW-33D	Date Sampled:	04/12/21
Lab Sample ID:	FA84747-3	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0147954.D	1	04/19/21 16:07	SO	n/a	n/a	VC5959
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-33D	Date Sampled:	04/12/21
Lab Sample ID:	FA84747-3	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		83-118%
17060-07-0	1,2-Dichloroethane-D4	103%		79-125%
2037-26-5	Toluene-D8	94%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-37	Date Sampled:	04/12/21
Lab Sample ID:	FA84747-4	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0147955.D	250	04/19/21 16:35	SO	n/a	n/a	VC5959
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	6300	2500	ug/l	
71-43-2	Benzene	ND	250	78	ug/l	
75-27-4	Bromodichloromethane	ND	250	61	ug/l	
75-25-2	Bromoform	ND	250	100	ug/l	
78-93-3	2-Butanone (MEK)	ND	1300	500	ug/l	
75-15-0	Carbon Disulfide	ND	500	130	ug/l	
56-23-5	Carbon Tetrachloride	ND	250	89	ug/l	
108-90-7	Chlorobenzene	ND	250	50	ug/l	
75-00-3	Chloroethane	ND	500	170	ug/l	
67-66-3	Chloroform	ND	250	75	ug/l	
124-48-1	Dibromochloromethane	ND	250	69	ug/l	
75-34-3	1,1-Dichloroethane	ND	250	85	ug/l	
107-06-2	1,2-Dichloroethane	ND	250	78	ug/l	
75-35-4	1,1-Dichloroethylene	ND	250	81	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	250	69	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	250	55	ug/l	
78-87-5	1,2-Dichloropropane	ND	250	110	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	250	73	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	250	54	ug/l	
100-41-4	Ethylbenzene	ND	250	89	ug/l	
591-78-6	2-Hexanone	ND	2500	500	ug/l	
74-83-9	Methyl Bromide	ND	1300	500	ug/l	
74-87-3	Methyl Chloride	ND	500	130	ug/l	
75-09-2	Methylene Chloride	ND	1300	500	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	1300	250	ug/l	
100-42-5	Styrene	ND	250	56	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	250	75	ug/l	
127-18-4	Tetrachloroethylene	17400	250	54	ug/l	
108-88-3	Toluene	ND	250	75	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	250	62	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	250	120	ug/l	
79-01-6	Trichloroethylene	ND	250	86	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-37	Date Sampled:	04/12/21
Lab Sample ID:	FA84747-4	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	250	100	ug/l	
1330-20-7	Xylene (total)	ND	750	180	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		83-118%
17060-07-0	1,2-Dichloroethane-D4	106%		79-125%
2037-26-5	Toluene-D8	96%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-30D	Date Sampled:	04/12/21
Lab Sample ID:	FA84747-5	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0147956.D	1	04/19/21 17:02	SO	n/a	n/a	VC5959
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	2.0	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.1	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	87.7	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	1.2	1.0	0.35	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-30D	Date Sampled:	04/12/21
Lab Sample ID:	FA84747-5	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	103%		79-125%
2037-26-5	Toluene-D8	96%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-19	Date Sampled:	04/12/21
Lab Sample ID:	FA84747-6	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0147957.D	500	04/19/21 17:30	SO	n/a	n/a	VC5959
Run #2 ^b	C0147978.D	1000	04/20/21 13:06	SO	n/a	n/a	VC5960

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13000	5000	ug/l	
71-43-2	Benzene	ND	500	160	ug/l	
75-27-4	Bromodichloromethane	ND	500	120	ug/l	
75-25-2	Bromoform	ND	500	200	ug/l	
78-93-3	2-Butanone (MEK)	ND	2500	1000	ug/l	
75-15-0	Carbon Disulfide	ND	1000	270	ug/l	
56-23-5	Carbon Tetrachloride	ND	500	180	ug/l	
108-90-7	Chlorobenzene	ND	500	100	ug/l	
75-00-3	Chloroethane	ND	1000	330	ug/l	
67-66-3	Chloroform	ND	500	150	ug/l	
124-48-1	Dibromochloromethane	ND	500	140	ug/l	
75-34-3	1,1-Dichloroethane	ND	500	170	ug/l	
107-06-2	1,2-Dichloroethane	ND	500	160	ug/l	
75-35-4	1,1-Dichloroethylene	ND	500	160	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	500	140	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	500	110	ug/l	
78-87-5	1,2-Dichloropropane	ND	500	210	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	500	150	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	500	110	ug/l	
100-41-4	Ethylbenzene	ND	500	180	ug/l	
591-78-6	2-Hexanone	ND	5000	1000	ug/l	
74-83-9	Methyl Bromide	ND	2500	1000	ug/l	
74-87-3	Methyl Chloride	ND	1000	250	ug/l	
75-09-2	Methylene Chloride	ND	2500	1000	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	2500	500	ug/l	
100-42-5	Styrene	ND	500	110	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	500	150	ug/l	
127-18-4	Tetrachloroethylene	53900 ^c	1000	220	ug/l	
108-88-3	Toluene	ND	500	150	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	500	120	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	500	230	ug/l	
79-01-6	Trichloroethylene	ND	500	170	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-19	Date Sampled:	04/12/21
Lab Sample ID:	FA84747-6	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	500	200	ug/l	
1330-20-7	Xylene (total)	ND	1500	360	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	103%	106%	79-125%
2037-26-5	Toluene-D8	95%	99%	85-112%
460-00-4	4-Bromofluorobenzene	97%	100%	83-118%

(a) Sample was not preserved to a pH < 2.

(b) Sample was not preserved to a pH < 2; reported results are considered minimum values.

(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-31D	Date Sampled:	04/12/21
Lab Sample ID:	FA84747-7	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0147977.D	1	04/20/21 12:37	SO	n/a	n/a	VC5960
Run #2 ^b	C0147958.D	2.5	04/19/21 17:58	SO	n/a	n/a	VC5959

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND ^c	63	25	ug/l	
71-43-2	Benzene	ND ^c	2.5	0.78	ug/l	
75-27-4	Bromodichloromethane	ND ^c	2.5	0.61	ug/l	
75-25-2	Bromoform	ND ^c	2.5	1.0	ug/l	
78-93-3	2-Butanone (MEK)	ND ^c	13	5.0	ug/l	
75-15-0	Carbon Disulfide	ND ^c	5.0	1.3	ug/l	
56-23-5	Carbon Tetrachloride	ND ^c	2.5	0.89	ug/l	
108-90-7	Chlorobenzene	ND ^c	2.5	0.50	ug/l	
75-00-3	Chloroethane	ND ^c	5.0	1.7	ug/l	
67-66-3	Chloroform	ND ^c	2.5	0.75	ug/l	
124-48-1	Dibromochloromethane	ND ^c	2.5	0.69	ug/l	
75-34-3	1,1-Dichloroethane	ND ^c	2.5	0.85	ug/l	
107-06-2	1,2-Dichloroethane	ND ^c	2.5	0.78	ug/l	
75-35-4	1,1-Dichloroethylene	2.6 ^c	2.5	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.47	1.0	0.28	ug/l	J
156-60-5	trans-1,2-Dichloroethylene	ND ^c	2.5	0.55	ug/l	
78-87-5	1,2-Dichloropropane	ND ^c	2.5	1.1	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND ^c	2.5	0.73	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND ^c	2.5	0.54	ug/l	
100-41-4	Ethylbenzene	ND ^c	2.5	0.89	ug/l	
591-78-6	2-Hexanone	ND ^c	25	5.0	ug/l	
74-83-9	Methyl Bromide	ND ^c	13	5.0	ug/l	
74-87-3	Methyl Chloride	ND ^c	5.0	1.3	ug/l	
75-09-2	Methylene Chloride	ND ^c	13	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND ^c	13	2.5	ug/l	
100-42-5	Styrene	ND ^c	2.5	0.56	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND ^c	2.5	0.75	ug/l	
127-18-4	Tetrachloroethylene	92.2 ^c	2.5	0.54	ug/l	
108-88-3	Toluene	ND ^c	2.5	0.75	ug/l	
71-55-6	1,1,1-Trichloroethane	ND ^c	2.5	0.62	ug/l	
79-00-5	1,1,2-Trichloroethane	ND ^c	2.5	1.2	ug/l	
79-01-6	Trichloroethylene	0.43	1.0	0.35	ug/l	J

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-31D	Date Sampled: 04/12/21
Lab Sample ID: FA84747-7	Date Received: 04/16/21
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260D	
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND ^c	2.5	1.0	ug/l	
1330-20-7	Xylene (total)	ND ^c	7.5	1.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	103%	106%	79-125%
2037-26-5	Toluene-D8	98%	94%	85-112%
460-00-4	4-Bromofluorobenzene	100%	98%	83-118%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.

(b) Sample was not preserved to a pH < 2.

(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-20	Date Sampled:	04/12/21
Lab Sample ID:	FA84747-8	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0147959.D	5	04/19/21 18:25	SO	n/a	n/a	VC5959
Run #2 ^b	C0147979.D	2.5	04/20/21 13:35	SO	n/a	n/a	VC5960

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	130	50	ug/l	
71-43-2	Benzene	ND	5.0	1.6	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/l	
75-25-2	Bromoform	ND	5.0	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	25	10	ug/l	
75-15-0	Carbon Disulfide	ND	10	2.7	ug/l	
56-23-5	Carbon Tetrachloride	ND	5.0	1.8	ug/l	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/l	
75-00-3	Chloroethane	ND	10	3.3	ug/l	
67-66-3	Chloroform	ND	5.0	1.5	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	1.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	1.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	1.6	ug/l	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.6	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.4	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.1	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	2.1	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	ND	5.0	1.8	ug/l	
591-78-6	2-Hexanone	ND	50	10	ug/l	
74-83-9	Methyl Bromide	ND	25	10	ug/l	
74-87-3	Methyl Chloride	ND	10	2.5	ug/l	
75-09-2	Methylene Chloride	ND	25	10	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	25	5.0	ug/l	
100-42-5	Styrene	ND	5.0	1.1	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.5	ug/l	
127-18-4	Tetrachloroethylene	222	5.0	1.1	ug/l	
108-88-3	Toluene	ND	5.0	1.5	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.2	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.3	ug/l	
79-01-6	Trichloroethylene	3.1	5.0	1.7	ug/l	J

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-20	Date Sampled:	04/12/21
Lab Sample ID:	FA84747-8	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	5.0	2.0	ug/l	
1330-20-7	Xylene (total)	ND	15	3.6	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	106%	104%	79-125%
2037-26-5	Toluene-D8	94%	101%	85-112%
460-00-4	4-Bromofluorobenzene	97%	99%	83-118%

(a) Sample was not preserved to a pH < 2.

(b) Sample was not preserved to a pH < 2; reported results are considered minimum values. Confirmation run.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-34D	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-9	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0147960.D	1	04/19/21 18:53	SO	n/a	n/a	VC5959
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-34D	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-9	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		83-118%
17060-07-0	1,2-Dichloroethane-D4	104%		79-125%
2037-26-5	Toluene-D8	93%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-10	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-10	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0147990.D	10	04/20/21 18:53	SO	n/a	n/a	VC5960
Run #2 ^b	C0148007.D	2	04/21/21 11:28	SO	n/a	n/a	VC5961

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	250	100	ug/l	
71-43-2	Benzene	ND	10	3.1	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.4	ug/l	
75-25-2	Bromoform	ND	10	4.1	ug/l	
78-93-3	2-Butanone (MEK)	ND	50	20	ug/l	
75-15-0	Carbon Disulfide	ND	20	5.3	ug/l	
56-23-5	Carbon Tetrachloride	ND	10	3.6	ug/l	
108-90-7	Chlorobenzene	ND	10	2.0	ug/l	
75-00-3	Chloroethane	ND	20	6.7	ug/l	
67-66-3	Chloroform	ND	10	3.0	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.8	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	3.4	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	3.1	ug/l	
75-35-4	1,1-Dichloroethylene	5.7	10	3.2	ug/l	J
156-59-2	cis-1,2-Dichloroethylene	105	10	2.8	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	10	2.2	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	4.3	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.9	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	ND	10	3.6	ug/l	
591-78-6	2-Hexanone	ND	100	20	ug/l	
74-83-9	Methyl Bromide	ND	50	20	ug/l	
74-87-3	Methyl Chloride	ND	20	5.0	ug/l	
75-09-2	Methylene Chloride	ND	50	20	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	50	10	ug/l	
100-42-5	Styrene	ND	10	2.2	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	3.0	ug/l	
127-18-4	Tetrachloroethylene	66.8	10	2.2	ug/l	
108-88-3	Toluene	ND	10	3.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	2.5	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	4.7	ug/l	
79-01-6	Trichloroethylene	25.2	10	3.5	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-10	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-10	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	10	4.1	ug/l	
1330-20-7	Xylene (total)	ND	30	7.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	106%	106%	79-125%
2037-26-5	Toluene-D8	103%	102%	85-112%
460-00-4	4-Bromofluorobenzene	100%	99%	83-118%

(a) Sample was not preserved to a pH < 2.

(b) Sample was not preserved to a pH < 2; reported results are considered minimum values. Confirmation run.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-10D	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-11	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0147980.D	1	04/20/21 14:04	SO	n/a	n/a	VC5960
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.40	1.0	0.22	ug/l	J
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-10D	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-11	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%
17060-07-0	1,2-Dichloroethane-D4	103%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-35D	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-12	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0147981.D	1	04/20/21 14:33	SO	n/a	n/a	VC5960
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-35D	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-12	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%
17060-07-0	1,2-Dichloroethane-D4	103%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-9	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-13	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0147991.D	5	04/20/21 19:22	SO	n/a	n/a	VC5960
Run #2 ^b	C0148008.D	2	04/21/21 11:55	SO	n/a	n/a	VC5961

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	130	50	ug/l	
71-43-2	Benzene	ND	5.0	1.6	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/l	
75-25-2	Bromoform	ND	5.0	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	25	10	ug/l	
75-15-0	Carbon Disulfide	ND	10	2.7	ug/l	
56-23-5	Carbon Tetrachloride	ND	5.0	1.8	ug/l	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/l	
75-00-3	Chloroethane	ND	10	3.3	ug/l	
67-66-3	Chloroform	ND	5.0	1.5	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	1.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	1.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	1.6	ug/l	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.6	ug/l	
156-59-2	cis-1,2-Dichloroethylene	14.4	5.0	1.4	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.1	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	2.1	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	ND	5.0	1.8	ug/l	
591-78-6	2-Hexanone	ND	50	10	ug/l	
74-83-9	Methyl Bromide	ND	25	10	ug/l	
74-87-3	Methyl Chloride	ND	10	2.5	ug/l	
75-09-2	Methylene Chloride	ND	25	10	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	25	5.0	ug/l	
100-42-5	Styrene	ND	5.0	1.1	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.5	ug/l	
127-18-4	Tetrachloroethylene	156	5.0	1.1	ug/l	
108-88-3	Toluene	ND	5.0	1.5	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.2	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.3	ug/l	
79-01-6	Trichloroethylene	45.6	5.0	1.7	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-9	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-13	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	5.0	2.0	ug/l	
1330-20-7	Xylene (total)	ND	15	3.6	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	95%	83-118%
17060-07-0	1,2-Dichloroethane-D4	105%	105%	79-125%
2037-26-5	Toluene-D8	104%	103%	85-112%
460-00-4	4-Bromofluorobenzene	98%	102%	83-118%

(a) Sample was not preserved to a pH < 2.

(b) Sample was not preserved to a pH < 2; reported results are considered minimum values. Confirmation run.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-22D	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-14	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0147982.D	1	04/20/21 15:02	SO	n/a	n/a	VC5960
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	1.0	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	80.7	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-22D	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-14	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%
17060-07-0	1,2-Dichloroethane-D4	102%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.14
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Report of Analysis

Client Sample ID:	MW-22D-DUP	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-15	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0147983.D	1	04/20/21 15:30	SO	n/a	n/a	VC5960
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	1.1	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	82.2	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-22D-DUP	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-15	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		83-118%
17060-07-0	1,2-Dichloroethane-D4	105%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-8	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-16	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0147992.D	5	04/20/21 19:51	SO	n/a	n/a	VC5960
Run #2 ^b	C0148009.D	2.5	04/21/21 12:23	SO	n/a	n/a	VC5961

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	130	50	ug/l	
71-43-2	Benzene	ND	5.0	1.6	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/l	
75-25-2	Bromoform	ND	5.0	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	25	10	ug/l	
75-15-0	Carbon Disulfide	ND	10	2.7	ug/l	
56-23-5	Carbon Tetrachloride	ND	5.0	1.8	ug/l	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/l	
75-00-3	Chloroethane	ND	10	3.3	ug/l	
67-66-3	Chloroform	ND	5.0	1.5	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	1.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	1.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	1.6	ug/l	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.6	ug/l	
156-59-2	cis-1,2-Dichloroethylene	5.6	5.0	1.4	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.1	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	2.1	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	ND	5.0	1.8	ug/l	
591-78-6	2-Hexanone	ND	50	10	ug/l	
74-83-9	Methyl Bromide	ND	25	10	ug/l	
74-87-3	Methyl Chloride	ND	10	2.5	ug/l	
75-09-2	Methylene Chloride	ND	25	10	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	25	5.0	ug/l	
100-42-5	Styrene	ND	5.0	1.1	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.5	ug/l	
127-18-4	Tetrachloroethylene	224	5.0	1.1	ug/l	
108-88-3	Toluene	ND	5.0	1.5	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.2	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.3	ug/l	
79-01-6	Trichloroethylene	32.2	5.0	1.7	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-8	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-16	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	5.0	2.0	ug/l	
1330-20-7	Xylene (total)	ND	15	3.6	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	103%	107%	79-125%
2037-26-5	Toluene-D8	104%	103%	85-112%
460-00-4	4-Bromofluorobenzene	100%	99%	83-118%

(a) Sample was not preserved to a pH < 2.

(b) Sample was not preserved to a pH < 2; reported results are considered minimum values. Confirmation run.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-25D	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-17	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0147993.D	2	04/20/21 20:20	SO	n/a	n/a	VC5960
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	20	ug/l	
71-43-2	Benzene	ND	2.0	0.62	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.48	ug/l	
75-25-2	Bromoform	ND	2.0	0.81	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.0	ug/l	
75-15-0	Carbon Disulfide	ND	4.0	1.1	ug/l	
56-23-5	Carbon Tetrachloride	ND	2.0	0.71	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.40	ug/l	
75-00-3	Chloroethane	ND	4.0	1.3	ug/l	
67-66-3	Chloroform	ND	2.0	0.60	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.55	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.68	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.62	ug/l	
75-35-4	1,1-Dichloroethylene	2.1	2.0	0.64	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.80	2.0	0.55	ug/l	J
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.44	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.85	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.58	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.71	ug/l	
591-78-6	2-Hexanone	ND	20	4.0	ug/l	
74-83-9	Methyl Bromide	ND	10	4.0	ug/l	
74-87-3	Methyl Chloride	ND	4.0	1.0	ug/l	
75-09-2	Methylene Chloride	ND	10	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	2.0	0.44	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.60	ug/l	
127-18-4	Tetrachloroethylene	110	2.0	0.43	ug/l	
108-88-3	Toluene	ND	2.0	0.60	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.93	ug/l	
79-01-6	Trichloroethylene	0.85	2.0	0.69	ug/l	J

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-25D	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-17	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	2.0	0.82	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		83-118%
17060-07-0	1,2-Dichloroethane-D4	103%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-32DR	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-18	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0147984.D	1	04/20/21 15:59	SO	n/a	n/a	VC5960
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	16.6	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-32DR	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-18	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		83-118%
17060-07-0	1,2-Dichloroethane-D4	102%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-32DR-DUP	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-19	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0147985.D	1	04/20/21 16:28	SO	n/a	n/a	VC5960
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	16.7	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-32DR-DUP	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-19	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%
17060-07-0	1,2-Dichloroethane-D4	101%		79-125%
2037-26-5	Toluene-D8	103%		85-112%
460-00-4	4-Bromofluorobenzene	102%		83-118%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-12D	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-20	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0147986.D	1	04/20/21 16:57	SO	n/a	n/a	VC5960
Run #2 ^b	C0148010.D	2	04/21/21 12:51	SO	n/a	n/a	VC5961

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	1.7	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	98.6 ^c	2.0	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-12D	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-20	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	103%	105%	79-125%
2037-26-5	Toluene-D8	101%	102%	85-112%
460-00-4	4-Bromofluorobenzene	99%	98%	83-118%

(a) Sample was not preserved to a pH < 2.

(b) Sample was not preserved to a pH < 2; reported results are considered minimum values.

(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-26D	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-21	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0147987.D	1	04/20/21 17:26	SO	n/a	n/a	VC5960
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.95	1.0	0.32	ug/l	J
156-59-2	cis-1,2-Dichloroethylene	0.88	1.0	0.28	ug/l	J
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	53.3	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	0.83	1.0	0.35	ug/l	J

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-26D	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-21	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	105%		79-125%
2037-26-5	Toluene-D8	103%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3D	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-22	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0147994.D	5	04/20/21 20:48	SO	n/a	n/a	VC5960
Run #2 ^b	C0148011.D	2.5	04/21/21 13:19	SO	n/a	n/a	VC5961

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	130	50	ug/l	
71-43-2	Benzene	ND	5.0	1.6	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/l	
75-25-2	Bromoform	ND	5.0	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	25	10	ug/l	
75-15-0	Carbon Disulfide	ND	10	2.7	ug/l	
56-23-5	Carbon Tetrachloride	ND	5.0	1.8	ug/l	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/l	
75-00-3	Chloroethane	ND	10	3.3	ug/l	
67-66-3	Chloroform	ND	5.0	1.5	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	1.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	1.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	1.6	ug/l	
75-35-4	1,1-Dichloroethylene	3.7	5.0	1.6	ug/l	J
156-59-2	cis-1,2-Dichloroethylene	7.5	5.0	1.4	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.1	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	2.1	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	ND	5.0	1.8	ug/l	
591-78-6	2-Hexanone	ND	50	10	ug/l	
74-83-9	Methyl Bromide	ND	25	10	ug/l	
74-87-3	Methyl Chloride	ND	10	2.5	ug/l	
75-09-2	Methylene Chloride	ND	25	10	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	25	5.0	ug/l	
100-42-5	Styrene	ND	5.0	1.1	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.5	ug/l	
127-18-4	Tetrachloroethylene	179	5.0	1.1	ug/l	
108-88-3	Toluene	ND	5.0	1.5	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.2	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.3	ug/l	
79-01-6	Trichloroethylene	7.4	5.0	1.7	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3D	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-22	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	5.0	2.0	ug/l	
1330-20-7	Xylene (total)	ND	15	3.6	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	95%	83-118%
17060-07-0	1,2-Dichloroethane-D4	104%	105%	79-125%
2037-26-5	Toluene-D8	103%	102%	85-112%
460-00-4	4-Bromofluorobenzene	98%	99%	83-118%

(a) Sample was not preserved to a pH < 2.

(b) Sample was not preserved to a pH < 2; reported results are considered minimum values. Confirmation run.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-14D	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-23	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0147988.D	1	04/20/21 17:55	SO	n/a	n/a	VC5960
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	1.1	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.62	1.0	0.28	ug/l	J
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	54.8	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	0.55	1.0	0.35	ug/l	J

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-14D	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-23	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%
17060-07-0	1,2-Dichloroethane-D4	105%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-14D-DUP	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-24	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0147989.D	1	04/20/21 18:24	SO	n/a	n/a	VC5960
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	1.1	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.53	1.0	0.28	ug/l	J
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	54.7	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	0.53	1.0	0.35	ug/l	J

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-14D-DUP	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-24	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%
17060-07-0	1,2-Dichloroethane-D4	105%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-25	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0147995.D	2	04/20/21 21:17	SO	n/a	n/a	VC5960
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	20	ug/l	
71-43-2	Benzene	ND	2.0	0.62	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.48	ug/l	
75-25-2	Bromoform	ND	2.0	0.81	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.0	ug/l	
75-15-0	Carbon Disulfide	ND	4.0	1.1	ug/l	
56-23-5	Carbon Tetrachloride	ND	2.0	0.71	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.40	ug/l	
75-00-3	Chloroethane	ND	4.0	1.3	ug/l	
67-66-3	Chloroform	ND	2.0	0.60	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.55	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.68	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.62	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.64	ug/l	
156-59-2	cis-1,2-Dichloroethylene	2.8	2.0	0.55	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.44	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.85	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.58	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.71	ug/l	
591-78-6	2-Hexanone	ND	20	4.0	ug/l	
74-83-9	Methyl Bromide	ND	10	4.0	ug/l	
74-87-3	Methyl Chloride	ND	4.0	1.0	ug/l	
75-09-2	Methylene Chloride	ND	10	4.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	2.0	0.44	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.60	ug/l	
127-18-4	Tetrachloroethylene	137	2.0	0.43	ug/l	
108-88-3	Toluene	ND	2.0	0.60	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.93	ug/l	
79-01-6	Trichloroethylene	2.5	2.0	0.69	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3	Date Sampled:	04/13/21
Lab Sample ID:	FA84747-25	Date Received:	04/16/21
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMSCG: Delavan Spray Technologies; Bamberg, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl Chloride	ND	2.0	0.82	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		83-118%
17060-07-0	1,2-Dichloroethane-D4	106%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Misc. Forms

5

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Project Name / Location: UTC Delavan Spray Technologies Site, Bamberg SC				Sample Analysis Requested										Quality Assurance Samples		
Client Name: UTC				COMMENTS												Cooler ID
Collected by: Randy Morgan/Mariah Rockwell Project Manager: Leslee Alexander																
Sample ID	Date Collected (dd-mm-yyyy)	Time Collected (Military) (hh:mm)	See Comments	Sample Information	TCL VOC's (8260D)	TCL SVOC's (8270E)	PM 13									
1 Trip Blank #1	12-Apr-2021			Groundwater	X											ALL VOC'S ARE UNPRESERVED
2 Trip Blank #2	12-Apr-2021				X											7 DAY HOLDING TIME
3 MW-33D	12-Apr-2021	1610			X											
4 MW-37	12-Apr-2021	1635			X											
5 MW-30D	12-Apr-2021	1650			X											
6 MW-19	12-Apr-2021	1723			X											
7 MW-31D	12-Apr-2021	1730			X											
8 MW-20	12-Apr-2021	1805			X											INITIAL ASSESSMENT
9 MW-34D	13-Apr-2021	0830			X											LABEL VERIFICATION
10 MW-10	13-Apr-2021	0833			X											
11 MW-10D	13-Apr-2021	0908			X											
12 MW-35D	13-Apr-2021	0910			X											
13 MW-9-MS	13-Apr-2021	0953			X											
13 MW-9-MSD	13-Apr-2021	0955			X											

Custody Transfers Prior to Receipt by Laboratory				Sample Delivery Details / Laboratory Receipt			
Released By (Signed)	Date	Time	Received by (Signed)	Date	Time	Delivered Directly to Lab:	Shipped:
Randy Morgan	4-13-21	1445	Fed Ex	4-13-21	1445	Method of Shipment: Fed Ex	XXXX
						Analytical Lab: Accutest	Airbill #: 506145063152
						Lab Recipient:	Location: Orlando FLA
							Date: Time:

1.) Chain of Custody Number = date collected + custody number (E.G. 01-19-2004-01)

VOC'S ARE UNPRESERVED 7 DAY HOLDING TIME

0.8 1B#4

52745 admin project control project forms Blank "OC"

FA84747: Chain of Custody

Page 1 of 3

Project Name / Location: UTC Delavan Spray Technologies Site, Bamberg SC				Sample Analysis Requested										Quality Assurance Samples			
Client Name: UTC																	
Collected by: Randy Morgan/Mariah Rockwell		Project Manager: Leslee Alexander															
Sample ID	Date Collected (dd-mm-yyyy)	Time Collected (Military) (hh:mm)	See Comments	Sample Information	TCL VOC.s 8260D	TCL SVOC.s (8270E)	PM 13									COMMENTS	Cooler ID
			COMP	GRAB	Well												
14 MW-22D	13-Apr-2021	1010			X											ALL VOC'S ARE UNPRESERVED	
15 MW-22D-dup	13-Apr-2021	1010			X											7 DAY HOLDING TIME	
16 MW-8	13-Apr-2021	1050			X												
17 MW-25D	13-Apr-2021	1050			X												
18 MW-32DR	13-Apr-2021	1130			X												
19 MW-32DR-dup	13-Apr-2021	1130			X												
20 MW-12D	13-Apr-2021	1200			X												
21 MW-26D	13-Apr-2021	1215			X												
22 MW-3D	13-Apr-2021	1318			X												
23 MW-3D-MS	13-Apr-2021	1318			X												
24 MW-3D-MSD	13-Apr-2021	1318			X												
25 MW-14D	13-Apr-2021	1355			X												
26 MW-14D-dup	13-Apr-2021	1355			X												
27 MW-3	13-Apr-2021	1408			X												

Custody Transfers Prior to Receipt by Laboratory						Sample Delivery Details / Laboratory Receipt					
1. Released by (Signed)	Date	Time	1. Received by (Signed)	Date	Time	Delivered Directly to Lab:	Shipped:	XXXX			
Randy Morgan	4-13-2021	1445	FED EX	4-18-21	1445	Method of Shipment:	Fed Ex	Airbill #:	5061 4506 3152		
2. _____			2. _____			Analytical Lab:	Accutest	Location:	Orlando FLA		
3. _____			3. _____			Lab Recipient:		Date:		Time:	

1.) Chain of Custody Number = date collected + custody number (E.G. 01-19-2004-01)

VOC'S ARE UNPRESERVED 7 DAY HOLDING TIME

52745 admin project control project forms Blank "OK"

FA84747: Chain of Custody

Page 2 of 3

SGS Sample Receipt Summary

Job Number: FA84747

Client: AECOM

Project: UTC DELAVAN

Date / Time Received: 4/16/2021 10:00:00 AM

Delivery Method: FX

Airbill #s: 5061 4506 3152

Therm ID: IR 1;

Therm CF: -1.8;

of Coolers: 1

Cooler Temps (Raw Measured) °C: Cooler 1: (2.6);

Cooler Temps (Corrected) °C: Cooler 1: (0.8);

Cooler Information

Y or N

1. Custody Seals Present ☒ ☐
2. Custody Seals Intact ☒ ☐
3. Temp criteria achieved ☒ ☐
4. Cooler temp verification IR Gun
5. Cooler media Ice (Bag)

Trip Blank Information

Y or N N/A

1. Trip Blank present / cooler ☒ ☐ ☐
 2. Trip Blank listed on COC ☒ ☐ ☐
- W or S N/A
3. Type Of TB Received ☒ ☐ ☐

Sample Information

Y or N N/A

1. Sample labels present on bottles ☒ ☐
2. Samples preserved properly ☒ ☐
3. Sufficient volume/containers recvd for analysis: ☒ ☐
4. Condition of sample Intact
5. Sample recvd within HT ☒ ☐
6. Dates/Times/IDs on COC match Sample Label ☒ ☐
7. VOCs have headspace ☐ ☒ ☐
8. Bottles received for unspecified tests ☐ ☒ ☐
9. Compositing instructions clear ☐ ☐ ☒
10. Voa Soil Kits/Jars received past 48hrs? ☐ ☐ ☒
11. % Solids Jar received? ☐ ☐ ☒
12. Residual Chlorine Present? ☐ ☐ ☒

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____

Number of 5035 Field Kits: _____

Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315

pH 10-12 219813A

Other: (Specify) _____

Residual Chlorine Test Strip Lot #: _____

Comments

SM001
Rev. Date 05/24/17

Technician: PETERH

Date: 4/16/2021 10:00:00 A

Reviewer: _____

Date: _____

FA84747: Chain of Custody

Page 3 of 3

MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Page 1 of 2

Job Number: FA84747**Account:** UTC Raytheon Technologies**Project:** AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC5959-MB	C0147946.D	1	04/19/21	SO	n/a	n/a	VC5959

The QC reported here applies to the following samples:**Method:** SW846 8260D

FA84747-1, FA84747-2, FA84747-3, FA84747-4, FA84747-5, FA84747-6, FA84747-7, FA84747-8, FA84747-9

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	0.54	2.0	0.50	ug/l	J
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

Method Blank Summary

Job Number: FA84747
Account: UTC Raytheon Technologies
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC5959-MB	C0147946.D	1	04/19/21	SO	n/a	n/a	VC5959

The QC reported here applies to the following samples: Method: SW846 8260D

FA84747-1, FA84747-2, FA84747-3, FA84747-4, FA84747-5, FA84747-6, FA84747-7, FA84747-8, FA84747-9

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	99% 83-118%
17060-07-0	1,2-Dichloroethane-D4	103% 79-125%
2037-26-5	Toluene-D8	94% 85-112%
460-00-4	4-Bromofluorobenzene	97% 83-118%

Method Blank Summary

Page 1 of 2

Job Number: FA84747**Account:** UTC Raytheon Technologies**Project:** AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC5960-MB	C0147976.D	1	04/20/21	SO	n/a	n/a	VC5960

The QC reported here applies to the following samples:**Method:** SW846 8260D

FA84747-6, FA84747-7, FA84747-10, FA84747-11, FA84747-12, FA84747-13, FA84747-14, FA84747-15, FA84747-16, FA84747-17, FA84747-18, FA84747-19, FA84747-20, FA84747-21, FA84747-22, FA84747-23, FA84747-24, FA84747-25

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

Method Blank Summary

Job Number: FA84747
Account: UTC Raytheon Technologies
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC5960-MB	C0147976.D	1	04/20/21	SO	n/a	n/a	VC5960

The QC reported here applies to the following samples: Method: SW846 8260D
FA84747-6, FA84747-7, FA84747-10, FA84747-11, FA84747-12, FA84747-13, FA84747-14, FA84747-15, FA84747-16, FA84747-17, FA84747-18, FA84747-19, FA84747-20, FA84747-21, FA84747-22, FA84747-23, FA84747-24, FA84747-25

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	97% 83-118%
17060-07-0	1,2-Dichloroethane-D4	104% 79-125%
2037-26-5	Toluene-D8	97% 85-112%
460-00-4	4-Bromofluorobenzene	101% 83-118%

Method Blank Summary

Job Number: FA84747
Account: UTC Raytheon Technologies
Project: AECOMSCG; Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC5961-MB	C0148005.D	1	04/21/21	SO	n/a	n/a	VC5961

The QC reported here applies to the following samples: Method: SW846 8260D

FA84747-20

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	97% 83-118%
17060-07-0	1,2-Dichloroethane-D4	104% 79-125%
2037-26-5	Toluene-D8	102% 85-112%
460-00-4	4-Bromofluorobenzene	99% 83-118%

Blank Spike Summary

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Job Number: FA84747**Account:** UTC Raytheon Technologies**Project:** AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC5959-BS	C0147943.D	1	04/19/21	SO	n/a	n/a	VC5959

The QC reported here applies to the following samples:**Method:** SW846 8260D

FA84747-1, FA84747-2, FA84747-3, FA84747-4, FA84747-5, FA84747-6, FA84747-7, FA84747-8, FA84747-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	119	95	50-147
71-43-2	Benzene	25	27.1	108	81-122
75-27-4	Bromodichloromethane	25	27.6	110	79-123
75-25-2	Bromoform	25	24.0	96	66-123
78-93-3	2-Butanone (MEK)	125	116	93	56-143
75-15-0	Carbon Disulfide	25	26.5	106	66-148
56-23-5	Carbon Tetrachloride	25	28.4	114	76-136
108-90-7	Chlorobenzene	25	23.9	96	82-124
75-00-3	Chloroethane	25	23.7	95	62-144
67-66-3	Chloroform	25	26.4	106	80-124
124-48-1	Dibromochloromethane	25	23.9	96	78-122
75-34-3	1,1-Dichloroethane	25	28.6	114	81-122
107-06-2	1,2-Dichloroethane	25	26.1	104	75-125
75-35-4	1,1-Dichloroethylene	25	29.0	116	78-137
156-59-2	cis-1,2-Dichloroethylene	25	26.3	105	78-120
156-60-5	trans-1,2-Dichloroethylene	25	27.6	110	76-127
78-87-5	1,2-Dichloropropane	25	26.7	107	76-124
10061-01-5	cis-1,3-Dichloropropene	25	26.2	105	75-118
10061-02-6	trans-1,3-Dichloropropene	25	25.3	101	80-120
100-41-4	Ethylbenzene	25	24.2	97	81-121
591-78-6	2-Hexanone	125	106	85	61-129
74-83-9	Methyl Bromide	25	26.9	108	59-143
74-87-3	Methyl Chloride	25	21.6	86	50-159
75-09-2	Methylene Chloride	25	24.5	98	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	113	90	66-122
100-42-5	Styrene	25	24.6	98	78-119
79-34-5	1,1,2,2-Tetrachloroethane	25	23.6	94	72-120
127-18-4	Tetrachloroethylene	25	25.8	103	76-135
108-88-3	Toluene	25	23.8	95	80-120
71-55-6	1,1,1-Trichloroethane	25	28.5	114	75-130
79-00-5	1,1,2-Trichloroethane	25	24.7	99	76-119
79-01-6	Trichloroethylene	25	26.5	106	81-126
75-01-4	Vinyl Chloride	25	24.3	97	69-159
1330-20-7	Xylene (total)	75	73.2	98	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA84747
Account: UTC Raytheon Technologies
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC5959-BS	C0147943.D	1	04/19/21	SO	n/a	n/a	VC5959

The QC reported here applies to the following samples: Method: SW846 8260D

FA84747-1, FA84747-2, FA84747-3, FA84747-4, FA84747-5, FA84747-6, FA84747-7, FA84747-8, FA84747-9

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	83-118%
17060-07-0	1,2-Dichloroethane-D4	101%	79-125%
2037-26-5	Toluene-D8	97%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Page 1 of 2

Job Number: FA84747**Account:** UTC Raytheon Technologies**Project:** AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC5960-BS	C0147973.D	1	04/20/21	SO	n/a	n/a	VC5960

The QC reported here applies to the following samples:**Method:** SW846 8260D

FA84747-6, FA84747-7, FA84747-10, FA84747-11, FA84747-12, FA84747-13, FA84747-14, FA84747-15, FA84747-16, FA84747-17, FA84747-18, FA84747-19, FA84747-20, FA84747-21, FA84747-22, FA84747-23, FA84747-24, FA84747-25

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	127	102	50-147
71-43-2	Benzene	25	24.7	99	81-122
75-27-4	Bromodichloromethane	25	25.1	100	79-123
75-25-2	Bromoform	25	21.2	85	66-123
78-93-3	2-Butanone (MEK)	125	116	93	56-143
75-15-0	Carbon Disulfide	25	23.6	94	66-148
56-23-5	Carbon Tetrachloride	25	26.1	104	76-136
108-90-7	Chlorobenzene	25	21.6	86	82-124
75-00-3	Chloroethane	25	25.7	103	62-144
67-66-3	Chloroform	25	24.6	98	80-124
124-48-1	Dibromochloromethane	25	21.6	86	78-122
75-34-3	1,1-Dichloroethane	25	25.5	102	81-122
107-06-2	1,2-Dichloroethane	25	23.9	96	75-125
75-35-4	1,1-Dichloroethylene	25	26.4	106	78-137
156-59-2	cis-1,2-Dichloroethylene	25	23.6	94	78-120
156-60-5	trans-1,2-Dichloroethylene	25	25.3	101	76-127
78-87-5	1,2-Dichloropropane	25	24.6	98	76-124
10061-01-5	cis-1,3-Dichloropropene	25	23.4	94	75-118
10061-02-6	trans-1,3-Dichloropropene	25	22.6	90	80-120
100-41-4	Ethylbenzene	25	22.0	88	81-121
591-78-6	2-Hexanone	125	119	95	61-129
74-83-9	Methyl Bromide	25	28.0	112	59-143
74-87-3	Methyl Chloride	25	23.6	94	50-159
75-09-2	Methylene Chloride	25	22.7	91	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	114	91	66-122
100-42-5	Styrene	25	22.4	90	78-119
79-34-5	1,1,2,2-Tetrachloroethane	25	20.6	82	72-120
127-18-4	Tetrachloroethylene	25	23.4	94	76-135
108-88-3	Toluene	25	21.2	85	80-120
71-55-6	1,1,1-Trichloroethane	25	26.0	104	75-130
79-00-5	1,1,2-Trichloroethane	25	22.1	88	76-119
79-01-6	Trichloroethylene	25	24.0	96	81-126
75-01-4	Vinyl Chloride	25	26.5	106	69-159
1330-20-7	Xylene (total)	75	66.7	89	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA84747
Account: UTC Raytheon Technologies
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC5960-BS	C0147973.D	1	04/20/21	SO	n/a	n/a	VC5960

The QC reported here applies to the following samples: Method: SW846 8260D
FA84747-6, FA84747-7, FA84747-10, FA84747-11, FA84747-12, FA84747-13, FA84747-14, FA84747-15, FA84747-16, FA84747-17, FA84747-18, FA84747-19, FA84747-20, FA84747-21, FA84747-22, FA84747-23, FA84747-24, FA84747-25

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	102%	79-125%
2037-26-5	Toluene-D8	95%	85-112%
460-00-4	4-Bromofluorobenzene	99%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA84747
Account: UTC Raytheon Technologies
Project: AECOMSCG; Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC5961-BS	C0148002.D	1	04/21/21	SO	n/a	n/a	VC5961

The QC reported here applies to the following samples: Method: SW846 8260D

FA84747-20

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
127-18-4	Tetrachloroethylene	25	24.4	98	76-135

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	103%	79-125%
2037-26-5	Toluene-D8	104%	85-112%
460-00-4	4-Bromofluorobenzene	99%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: FA84747

Account: UTC Raytheon Technologies

Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA84747-4MS	C0147967.D	250	04/19/21	SO	n/a	n/a	VC5959
FA84747-4MSD	C0147968.D	250	04/19/21	SO	n/a	n/a	VC5959
FA84747-4 ^a	C0147955.D	250	04/19/21	SO	n/a	n/a	VC5959

The QC reported here applies to the following samples:

Method: SW846 8260D

FA84747-1, FA84747-2, FA84747-3, FA84747-4, FA84747-5, FA84747-6, FA84747-7, FA84747-8, FA84747-9

CAS No.	Compound	FA84747-4 ug/l	Spike Q	ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		31300	32100	103	31300	28600	92	12	50-147/21
71-43-2	Benzene	ND		6250	6990	112	6250	6960	111	0	81-122/14
75-27-4	Bromodichloromethane	ND		6250	7180	115	6250	6910	111	4	79-123/19
75-25-2	Bromoform	ND		6250	5870	94	6250	5670	91	3	66-123/21
78-93-3	2-Butanone (MEK)	ND		31300	32600	104	31300	29300	94	11	56-143/18
75-15-0	Carbon Disulfide	ND		6250	6740	108	6250	6630	106	2	66-148/23
56-23-5	Carbon Tetrachloride	ND		6250	7470	120	6250	7300	117	2	76-136/23
108-90-7	Chlorobenzene	ND		6250	6060	97	6250	6020	96	1	82-124/14
75-00-3	Chloroethane	ND		6250	6720	108	6250	6230	100	8	62-144/20
67-66-3	Chloroform	ND		6250	7080	113	6250	6930	111	2	80-124/15
124-48-1	Dibromochloromethane	ND		6250	5870	94	6250	5770	92	2	78-122/19
75-34-3	1,1-Dichloroethane	ND		6250	7480	120	6250	7310	117	2	81-122/15
107-06-2	1,2-Dichloroethane	ND		6250	6950	111	6250	6670	107	4	75-125/14
75-35-4	1,1-Dichloroethylene	ND		6250	7710	123	6250	7560	121	2	78-137/18
156-59-2	cis-1,2-Dichloroethylene	ND		6250	6890	110	6250	6830	109	1	78-120/15
156-60-5	trans-1,2-Dichloroethylene	ND		6250	7170	115	6250	7080	113	1	76-127/17
78-87-5	1,2-Dichloropropane	ND		6250	7000	112	6250	6840	109	2	76-124/14
10061-01-5	cis-1,3-Dichloropropene	ND		6250	6450	103	6250	6380	102	1	75-118/23
10061-02-6	trans-1,3-Dichloropropene	ND		6250	6190	99	6250	6000	96	3	80-120/22
100-41-4	Ethylbenzene	ND		6250	6250	100	6250	6110	98	2	81-121/14
591-78-6	2-Hexanone	ND		31300	32600	104	31300	29700	95	9	61-129/18
74-83-9	Methyl Bromide	ND		6250	5680	91	6250	6150	98	8	59-143/19
74-87-3	Methyl Chloride	ND		6250	5690	91	6250	5560	89	2	50-159/19
75-09-2	Methylene Chloride	ND		6250	6560	105	6250	6390	102	3	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		31300	31000	99	31300	29000	93	7	66-122/16
100-42-5	Styrene	ND		6250	6220	100	6250	6160	99	1	78-119/23
79-34-5	1,1,2,2-Tetrachloroethane	ND		6250	5750	92	6250	5370	86	7	72-120/14
127-18-4	Tetrachloroethylene	17400		6250	25100	123	6250	24700	117	2	76-135/16
108-88-3	Toluene	ND		6250	5980	96	6250	5930	95	1	80-120/14
71-55-6	1,1,1-Trichloroethane	ND		6250	7430	119	6250	7270	116	2	75-130/16
79-00-5	1,1,2-Trichloroethane	ND		6250	6240	100	6250	6070	97	3	76-119/14
79-01-6	Trichloroethylene	ND		6250	6840	109	6250	6520	104	5	81-126/15
75-01-4	Vinyl Chloride	ND		6250	6580	105	6250	6430	103	2	69-159/18
1330-20-7	Xylene (total)	ND		18800	18800	100	18800	18500	99	2	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA84747
Account: UTC Raytheon Technologies
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA84747-4MS	C0147967.D	250	04/19/21	SO	n/a	n/a	VC5959
FA84747-4MSD	C0147968.D	250	04/19/21	SO	n/a	n/a	VC5959
FA84747-4 ^a	C0147955.D	250	04/19/21	SO	n/a	n/a	VC5959

The QC reported here applies to the following samples: Method: SW846 8260D

FA84747-1, FA84747-2, FA84747-3, FA84747-4, FA84747-5, FA84747-6, FA84747-7, FA84747-8, FA84747-9

CAS No.	Surrogate Recoveries	MS	MSD	FA84747-4	Limits
1868-53-7	Dibromofluoromethane	102%	102%	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	100%	99%	106%	79-125%
2037-26-5	Toluene-D8	96%	96%	96%	85-112%
460-00-4	4-Bromofluorobenzene	98%	97%	98%	83-118%

(a) Sample was not preserved to a pH < 2.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 2

Job Number: FA84747

Account: UTC Raytheon Technologies

Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA84747-13MS	C0147996.D	5	04/20/21	SO	n/a	n/a	VC5960
FA84747-13MSD	C0147997.D	5	04/20/21	SO	n/a	n/a	VC5960
FA84747-13 ^a	C0147991.D	5	04/20/21	SO	n/a	n/a	VC5960

The QC reported here applies to the following samples:

Method: SW846 8260D

FA84747-6, FA84747-7, FA84747-10, FA84747-11, FA84747-12, FA84747-13, FA84747-14, FA84747-15, FA84747-16, FA84747-17, FA84747-18, FA84747-19, FA84747-20, FA84747-21, FA84747-22, FA84747-23, FA84747-24, FA84747-25

CAS No.	Compound	FA84747-13 ug/l	Spike Q	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND	625	562	90	625	520	83	8	50-147/21
71-43-2	Benzene	ND	125	119	95	125	115	92	3	81-122/14
75-27-4	Bromodichloromethane	ND	125	125	100	125	117	94	7	79-123/19
75-25-2	Bromoform	ND	125	124	99	125	117	94	6	66-123/21
78-93-3	2-Butanone (MEK)	ND	625	545	87	625	504	81	8	56-143/18
75-15-0	Carbon Disulfide	ND	125	116	93	125	112	90	4	66-148/23
56-23-5	Carbon Tetrachloride	ND	125	129	103	125	122	98	6	76-136/23
108-90-7	Chlorobenzene	ND	125	125	100	125	121	97	3	82-124/14
75-00-3	Chloroethane	ND	125	121	97	125	110	88	10	62-144/20
67-66-3	Chloroform	ND	125	122	98	125	116	93	5	80-124/15
124-48-1	Dibromochloromethane	ND	125	126	101	125	120	96	5	78-122/19
75-34-3	1,1-Dichloroethane	ND	125	129	103	125	121	97	6	81-122/15
107-06-2	1,2-Dichloroethane	ND	125	118	94	125	114	91	3	75-125/14
75-35-4	1,1-Dichloroethylene	ND	125	130	104	125	123	98	6	78-137/18
156-59-2	cis-1,2-Dichloroethylene	14.4	125	136	97	125	126	89	8	78-120/15
156-60-5	trans-1,2-Dichloroethylene	ND	125	125	100	125	119	95	5	76-127/17
78-87-5	1,2-Dichloropropane	ND	125	120	96	125	115	92	4	76-124/14
10061-01-5	cis-1,3-Dichloropropene	ND	125	112	90	125	109	87	3	75-118/23
10061-02-6	trans-1,3-Dichloropropene	ND	125	126	101	125	124	99	2	80-120/22
100-41-4	Ethylbenzene	ND	125	125	100	125	121	97	3	81-121/14
591-78-6	2-Hexanone	ND	625	655	105	625	619	99	6	61-129/18
74-83-9	Methyl Bromide	ND	125	87.1	70	125	89.8	72	3	59-143/19
74-87-3	Methyl Chloride	ND	125	102	82	125	98.6	79	3	50-159/19
75-09-2	Methylene Chloride	ND	125	119	95	125	112	90	6	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	625	632	101	625	596	95	6	66-122/16
100-42-5	Styrene	ND	125	126	101	125	122	98	3	78-119/23
79-34-5	1,1,2,2-Tetrachloroethane	ND	125	125	100	125	122	98	2	72-120/14
127-18-4	Tetrachloroethylene	156	125	298	114	125	287	105	4	76-135/16
108-88-3	Toluene	ND	125	123	98	125	118	94	4	80-120/14
71-55-6	1,1,1-Trichloroethane	ND	125	130	104	125	121	97	7	75-130/16
79-00-5	1,1,2-Trichloroethane	ND	125	129	103	125	123	98	5	76-119/14
79-01-6	Trichloroethylene	45.6	125	163	94	125	160	92	2	81-126/15
75-01-4	Vinyl Chloride	ND	125	120	96	125	114	91	5	69-159/18
1330-20-7	Xylene (total)	ND	375	377	101	375	363	97	4	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA84747
Account: UTC Raytheon Technologies
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA84747-13MS	C0147996.D	5	04/20/21	SO	n/a	n/a	VC5960
FA84747-13MSD	C0147997.D	5	04/20/21	SO	n/a	n/a	VC5960
FA84747-13 ^a	C0147991.D	5	04/20/21	SO	n/a	n/a	VC5960

The QC reported here applies to the following samples: Method: SW846 8260D
FA84747-6, FA84747-7, FA84747-10, FA84747-11, FA84747-12, FA84747-13, FA84747-14, FA84747-15, FA84747-16, FA84747-17, FA84747-18, FA84747-19, FA84747-20, FA84747-21, FA84747-22, FA84747-23, FA84747-24, FA84747-25

CAS No.	Surrogate Recoveries	MS	MSD	FA84747-13	Limits
1868-53-7	Dibromofluoromethane	99%	98%	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	102%	101%	105%	79-125%
2037-26-5	Toluene-D8	104%	105%	104%	85-112%
460-00-4	4-Bromofluorobenzene	100%	100%	98%	83-118%

(a) Sample was not preserved to a pH < 2.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: FA84747

Account: UTC Raytheon Technologies

Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA84747-22MS	C0148024.D	2.5	04/21/21	SO	n/a	n/a	VC5961
FA84747-22MSD	C0148025.D	2.5	04/21/21	SO	n/a	n/a	VC5961
FA84747-22 ^a	C0148011.D	2.5	04/21/21	SO	n/a	n/a	VC5961

The QC reported here applies to the following samples:

Method: SW846 8260D

FA84747-20

CAS No.	Compound	FA84747-22 ug/l	Spike Q	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
127-18-4	Tetrachloroethylene	132		62.5	221	142* ^b	62.5	225	149* ^b	2 76-135/16

CAS No.	Surrogate Recoveries	MS	MSD	FA84747-22	Limits
1868-53-7	Dibromofluoromethane	99%	98%	95%	83-118%
17060-07-0	1,2-Dichloroethane-D4	105%	103%	105%	79-125%
2037-26-5	Toluene-D8	105%	105%	102%	85-112%
460-00-4	4-Bromofluorobenzene	100%	100%	99%	83-118%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values. Confirmation run.

(b) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

DATA ASSESSMENT REPORT

Data assessment is a systematic process for reviewing a body of data against a predefined set of criteria to provide assurance that the data meet project Data Quality Objective (DQO) requirements. The purpose of the data assessment process is to determine if and how the usability of the analytical data is affected by the overall analytical processes and sample collection and handling procedures. If specific DQOs are not met, the data are qualified (i.e., data flags are assigned to sample results) in accordance with guidelines established by the United States Environmental Protection Agency (USEPA). Data assessment allows the data user to adequately determine if the data can be used for its intended purpose. The data acceptance criteria are established according to Standard Operating Procedures (SOPs) and Statements of Work (SOWs) provided to the contracted analytical laboratory. The assessment of data quality and usability involves five components, as described below.

- 1) **Field Sampling Check** is a process to ensure that all samples were collected, and the laboratory analyses were performed as stipulated in the applicable site-specific Work Plan or Field Sampling Plan (FSP). Inspection of sample preservation procedures, sample handling, analysis requested, sample description and identification (ID), cooler receipt forms, holding time evaluation, and Chain of Custody procedures are all evaluated to ensure that the evidentiary nature of the samples and the resulting analytical data have not been compromised.
- 2) **Data Verification** is a process for determining the completeness, correctness, consistency, and compliance of a data package in accordance with requirements contained in the applicable SOW and/or contract-specific requirements. This is a review of the data package, electronic data deliverable (EDD), and invoice received from the contract laboratory to ensure that the contract required information is present and complete prior to data validation.
- 3) **Data Review** is a process of reviewing the primary quality control (QC) data provided by the laboratory and the results of any internal quality assurance (QA)/QC samples, such as field blanks, trip blanks, equipment blanks or ambient blanks, field split samples, and duplicate samples, to ascertain any effect the laboratory's procedures or the sample collection process has on the data.
- 4) **Data Evaluation** is a process to determine if the data meet project-specific DQOs and contract requirements. This evaluation may involve a review of field sampling and sample management procedures, laboratory audits, Performance Evaluation (PE) sample results, and any other data quality indicators that are available.
- 5) **Data Validation** is a process to determine the accuracy and precision of analytical data generated and to identify any anomalies encountered. The validation process is performed in accordance with USEPA regional or national functional guidelines, project-specific guidelines, and

compliance with the requirements of each analytical method. Two major components of data validation are laboratory performance and matrix interferences. Evaluation of laboratory performance is a check for compliance for each analytical method to determine if the samples were analyzed within the prescribed acceptance criteria of the method. Evaluation of matrix interferences involves the analysis of surrogate spike recoveries, matrix spike recoveries, and duplicate sample results. Data not meeting project-specific DQOs or the requirements of the analytical method are qualified with data flags according to referenced guidelines.

Data Assessment Procedures

AECOM performed independent QC checks of field and laboratory procedures that were used in collecting and analyzing the data. The QC checks verify that the data collected are of appropriate quality for the intended data use and that the DQOs were met. The steps and guidelines followed during the data validation process were modeled on the *USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review* (USEPA, January 2017) and *USEPA National Functional Guidelines for Organic Superfund Methods Data Review* (USEPA, January 2017). In addition, method-specific criteria set forth in the compendium of analytical methods found in the *Test Methods for Evaluation Solid Waste: Physical/Chemical Methods Compendium (SW-846), Update V* (USEPA, July 2014) are also evaluated during the validation process. This validation process has been adapted to meet the DQO requirements for generation of definitive critical data.

Data Validation Results

The analytical data associated with analytical data package FA84711 were collected on April 13-14, 2021 for UTC - Delavan Spray Technologies located in Bamberg, South Carolina. The analytical data were validated according to the procedures outlined above. Where data flags have been applied to this data set, they are separated by a slash “/” and presented in the following format:

Laboratory Flag / Result Flags / Analysis Flags

- **Laboratory Flag:** This flag precedes the first slash and is added by the laboratory as a result of QC excursions from the analytical method. These flags are laboratory-specific and are described in the associated laboratory report.
- **Result Flags:** These are presented after the first slash and are added by AECOM based on data validation procedures and guidelines. They tell how and if the data should be used.
- **Analysis Flags:** These flags are presented after the second slash and are added by AECOM to inform the data user of any specific QA/QC problems that were encountered.

Any data requiring qualification as a result of the validation process were assigned data flags, as discussed below. The validation flags indicate how any QC excursions may have impacted the usability of the data.

Volatile Organic Compounds by Method 8260D

Results of the validation process indicate that the data analyzed for this method are acceptable for their intended use and no data flags are required.

Data Summary and Usability

No QC excursions were encountered during the validation of this data set. Therefore, the data associated with this laboratory batch should be considered compliant and adequate for its intended use.

References

United States Environmental Protection Agency (USEPA), July 2014. *Test Methods for Evaluation Solid Waste: Physical/Chemical Methods Compendium (SW-846), Update V.*

United States Environmental Protection Agency (USEPA), January 2017. *USEPA National Functional Guidelines for Organic Superfund Methods Data Review.* Publication #EPA-540-R-2017-002.

DATA ASSESSMENT REPORT

Data assessment is a systematic process for reviewing a body of data against a predefined set of criteria to provide assurance that the data meet project Data Quality Objective (DQO) requirements. The purpose of the data assessment process is to determine if and how the usability of the analytical data is affected by the overall analytical processes and sample collection and handling procedures. If specific DQOs are not met, the data are qualified (i.e., data flags are assigned to sample results) in accordance with guidelines established by the United States Environmental Protection Agency (USEPA). Data assessment allows the data user to adequately determine if the data can be used for its intended purpose. The data acceptance criteria are established according to Standard Operating Procedures (SOPs) and Statements of Work (SOWs) provided to the contracted analytical laboratory. The assessment of data quality and usability involves five components, as described below.

- 1) **Field Sampling Check** is a process to ensure that all samples were collected, and the laboratory analyses were performed as stipulated in the applicable site-specific Work Plan or Field Sampling Plan (FSP). Inspection of sample preservation procedures, sample handling, analysis requested, sample description and identification (ID), cooler receipt forms, holding time evaluation, and Chain of Custody procedures are all evaluated to ensure that the evidentiary nature of the samples and the resulting analytical data have not been compromised.
- 2) **Data Verification** is a process for determining the completeness, correctness, consistency, and compliance of a data package in accordance with requirements contained in the applicable SOW and/or contract-specific requirements. This is a review of the data package, electronic data deliverable (EDD), and invoice received from the contract laboratory to ensure that the contract required information is present and complete prior to data validation.
- 3) **Data Review** is a process of reviewing the primary quality control (QC) data provided by the laboratory and the results of any internal quality assurance (QA)/QC samples, such as field blanks, trip blanks, equipment blanks or ambient blanks, field split samples, and duplicate samples, to ascertain any effect the laboratory's procedures or the sample collection process has on the data.
- 4) **Data Evaluation** is a process to determine if the data meet project-specific DQOs and contract requirements. This evaluation may involve a review of field sampling and sample management procedures, laboratory audits, Performance Evaluation (PE) sample results, and any other data quality indicators that are available.
- 5) **Data Validation** is a process to determine the accuracy and precision of analytical data generated and to identify any anomalies encountered. The validation process is performed in accordance with USEPA regional or national functional guidelines, project-specific guidelines, and

compliance with the requirements of each analytical method. Two major components of data validation are laboratory performance and matrix interferences. Evaluation of laboratory performance is a check for compliance for each analytical method to determine if the samples were analyzed within the prescribed acceptance criteria of the method. Evaluation of matrix interferences involves the analysis of surrogate spike recoveries, matrix spike recoveries, and duplicate sample results. Data not meeting project-specific DQOs or the requirements of the analytical method are qualified with data flags according to referenced guidelines.

Data Assessment Procedures

AECOM performed independent QC checks of field and laboratory procedures that were used in collecting and analyzing the data. The QC checks verify that the data collected are of appropriate quality for the intended data use and that the DQOs were met. The steps and guidelines followed during the data validation process were modeled on the *USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review* (USEPA, January 2017) and *USEPA National Functional Guidelines for Organic Superfund Methods Data Review* (USEPA, January 2017). In addition, method-specific criteria set forth in the compendium of analytical methods found in the *Test Methods for Evaluation Solid Waste: Physical/Chemical Methods Compendium (SW-846), Update V* (USEPA, July 2014) are also evaluated during the validation process. This validation process has been adapted to meet the DQO requirements for generation of definitive critical data.

Data Validation Results

The analytical data associated with analytical data package FA84747 were collected on April 12-13, 2021 for UTC - Delavan Spray Technologies located in Bamberg, South Carolina. The analytical data were validated according to the procedures outlined above. Where data flags have been applied to this data set, they are separated by a slash “/” and presented in the following format:

Laboratory Flag / Result Flags / Analysis Flags

- **Laboratory Flag:** This flag precedes the first slash and is added by the laboratory as a result of QC excursions from the analytical method. These flags are laboratory-specific and are described in the associated laboratory report.
- **Result Flags:** These are presented after the first slash and are added by AECOM based on data validation procedures and guidelines. They tell how and if the data should be used.
- **Analysis Flags:** These flags are presented after the second slash and are added by AECOM to inform the data user of any specific QA/QC problems that were encountered.

Any data requiring qualification as a result of the validation process were assigned data flags, as discussed below. The validation flags indicate how any QC excursions may have impacted the usability of the data.

Volatile Organic Compounds by Method 8260D

Results of the validation process indicate that the data analyzed for this method are acceptable for their intended use and no data flags are required.

Data Summary and Usability

No QC excursions were encountered during the validation of this data set. Therefore, the data associated with this laboratory batch should be considered compliant and adequate for its intended use.

References

United States Environmental Protection Agency (USEPA), July 2014. *Test Methods for Evaluation Solid Waste: Physical/Chemical Methods Compendium (SW-846), Update V.*

United States Environmental Protection Agency (USEPA), January 2017. *USEPA National Functional Guidelines for Organic Superfund Methods Data Review.* Publication #EPA-540-R-2017-002.

**APPENDIX C
HISTORICAL VOC DATA**

Appendix C
Historical VOC Data
Delavan Spray Technologies Site
Bamberg, South Carolina

Well No.	Sample Date	Units	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethylene	1,2-Dichloroethane	Bromodichloro-methane	Carbon disulfide	Chloroform	cis-1,2-Dichloroethylene	Dibromochloro-methane	Methylene Chloride	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl Chloride	Xylene (total)
MCL			200	NS	7	5	80	NS	80	70	80	NS	5	1000	100	5	2	10000
MW-1	6/4/2003	µg/L	<50	<50	<50	NA	NA	NA	NA	<50	NA	140	15000	<250	<50	<50	<50	<150
MW-1	12/30/2003	µg/L	<800	<800	<800	NA	NA	NA	NA	<800	NA	<800	11000	<800	<800	<800	<800	<800
MW-1	3/14/2005	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	10.1	NA	<1.00	5470	NA	<1.00	34.8	<1.00	NA
MW-1	6/1/2005	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	10.1	NA	<1.00	5750	NA	<1.00	41.3	<1.00	NA
MW-1	9/20/2005	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	9.6	NA	<1.00	3150	NA	<1.00	38.4	<1.00	NA
MW-1	12/12/2005	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	11.4	NA	<1.00	4750	NA	<1.00	35.6	<1.00	NA
MW-1	3/28/2006	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	11.9	NA	<1.00	6580	NA	<1.00	48.1	<1.00	NA
MW-1	6/26/2006	µg/L	<1.0	<1.0	<1.0	NA	NA	NA	NA	13	NA	<1.0	4100	NA	<1.0	32	<1.0	NA
MW-1	10/21/2006	µg/L	<1.0	<1.0	<1.0	NA	NA	NA	NA	17.9	NA	<1.0	9550	NA	<1.0	65.8	<1.0	NA
MW-1	1/12/2007	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	23.1	NA	<1.00	6790	NA	<1.00	85.6	<1.00	NA
MW-1	1/9/2008	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	102	NA	<1.00	5390	NA	<1.00	83.7	<1.00	NA
MW-1	11/5/2009	µg/L	<1.00	<1.00	1.74	NA	NA	NA	NA	382	NA	<1.00	7680	NA	<1.00	108	<1.00	NA
MW-1	4/30/2010	µg/L	<5.00	<5.00	<5.00	NA	NA	NA	NA	184	NA	<5.00	5940	NA	<5.00	79.6	<5.00	NA
MW-1	10/25/2010	µg/L	<50.0	<50.0	<50.0	NA	NA	NA	NA	648	NA	<50.0	5690	NA	<50.0	99.5	<50.0	NA
MW-1	5/24/2011	µg/L	<1.0	<1.0	<1.0	NA	NA	NA	NA	210	NA	<1.0	3000	<1.0	<1.0	28	<2.0	<10
MW-1	11/9/2011	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	265	NA	<1.00	2320	NA	<1.00	35	<1.00	NA
MW-1	5/9/2012	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	298	NA	<1.00	3120	NA	<1.00	41.4	<1.00	NA
MW-1	2/26/2014	µg/L	<6.7	<5.1	<5.1	<4.8	<5.2	<4	<6.2	110 /J/A	<7.2	69.3 J	1280 /J/A	<4	<6.9	11.5 J	<6.5	<13
MW-1	10/27/2014	µg/L	<6.7	<5.1	<5.1	<4.8	<5.2	<4	<6.2	131	<7.2	<40	785	<4	<6.9	18.6 J	10.9 J	<13
MW-1	4/20/2015	µg/L	<1.3	<1	<1.4	<1	<1.1	<1.5	<1.5	6.1	<1	<10	447	<2	<1	2.6 J	<1.3	<2.6
MW-1	10/28/2015	µg/L	<1.3	<1	<1.4	<1	<1.1	<1.5	<1.5	7.1	<1	<10	383	<2	<1	2.8 J	<1.3	<2.6
MW-1	4/13/2016	µg/L	<1	<1.3	<1.1	<1.4	<1.2	<1.2	<1.5	19.4	<1.3	<10	468	<1	<1.7	6.2	<1.6	<2.8
MW-1	10/25/2016	µg/L	<1	<1.3	<1.1	<1.4	<1.2	<1.2	<1.5	7	<1.3	<10	410	<1	<1.7	3.5 J	<1.6	<2.8
MW-1	4/12/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	13.9	<0.28	<2	607	<0.3	<0.22	8.4	<0.41	<0.72
MW-1	10/18/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	124	<0.28	<2	835	<0.3	<0.22	23.2	<0.41	<0.72
MW-1	5/9/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	12.1	<0.28	<2	298	<0.3	<0.22	8.1	<0.41	<0.72
MW-1	10/30/2018	µg/L	<1.2	<1.7	<1.6	<1.6	<1.2	<2.7	<1.5	11.6	<1.4	<10	277	<1.5	<1.1	4.2	<2	<3.6
MW-1	4/24/2019	µg/L	<0.5	<0.68	<0.64	<0.62	<0.48	<1.1	<0.6	5	<0.55	<4	195	<0.6	<0.44	2.2	<0.82	<1.4
MW-1	10/15/2019	µg/L	<0.5	<0.68	<0.64	<0.62	<0.48	<1.1	<0.6	48.8	<0.55	<4	656	<0.6	<0.44	15.9	<0.82	<1.4
MW-1	4/15/2020	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	1.9	<0.28	<2	111	<0.3	<0.22	1.2	<0.41	<0.72
MW-1	10/21/2020	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	2.4	<0.28	<2	103	<0.3	<0.22	2.9	<0.41	<0.72
MW-1	4/13/2021	ug/l	<0.5	<0.68	<0.64	<0.62	<0.48	<1.1	<0.6	0.94 J	<0.55	<4	46.1	<0.6	<0.44	0.85 J	<0.82	<1.4
MW-2	6/4/2003	µg/L	<1.0	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<3.0
MW-2	12/30/2003	µg/L	<2	<2	<2	NA	NA	NA	NA	<2	NA	<2	4.5	<2	<2	<2	<2	<4
MW-2	3/14/2005	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	4.3	NA	<1.00	<1.00	<1.00	NA
MW-2	3/28/2006	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	1.21	NA	<1.00	<1.00	<1.00	NA
MW-2	1/9/2008	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	2.5	NA	<1.00	<1.00	<1.00	NA
MW-2	11/5/2009	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	1.17	NA	<1.00	<1.00	<1.00	NA
MW-2	4/30/2010	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	1.27	NA	<1.00	<1.00	<1.00	NA
MW-2	10/25/2010	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	1	NA	<1.00	<1.00	<1.00	NA
MW-2	5/24/2011	µg/L	<1.0	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<10
MW-2	11/9/2011	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	1.86	NA	<1.00	<1.00	<1.00	NA
MW-2	5/9/2012	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	6.55	NA	<1.00	<1.00	<1.00	NA
MW-2	2/25/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	1.6	<0.2	<0.34	<0.3	<0.33	<0.66
MW-2	10/27/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	1.2	<0.2	<0.34	<0.3	<0.33	<0.66
MW-2	4/21/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	0.53 J	<0.4	<0.21	<0.22	<0.25	<0.51
MW-2	10/28/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	0.85 J	<0.4	<0.21	<0.22	<0.25	<0.51
MW-2	4/13/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	0.57	<0.2	<0.33	<0.27	<0.31	<0.56
MW-2	10/25/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	0.83 J	<0.2	<0.33	<0.27	<0.31	<0.56
MW-2	4/12/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	0.92 J	<0.3	<0.22	<0.35	<0.41	<0.72
MW-2	10/17/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	3.1	<0.3	<0.22	<0.35	<0.41	<0.72
MW-2	5/10/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	1.3	<0.3	<0.22	<0.35	<0.41	<0.72
MW-2	10/31/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	1	<0.3	<0.22	<0.35	<0.41	<0.72
MW-2	10/16/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	1.6	<0.3	<0.22	<0.35	<0.41	<0.72
MW-2	10/20/2020	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	1.4	<0.3	<0.22	<0.35	<0.41	<0.72
MW-2	4/14/2021	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	0.71 J	<0.3	<0.22	<0.35	<0.41	<0.72

Appendix C
Historical VOC Data
Delavan Spray Technologies Site
Bamberg, South Carolina

Well No.	Sample Date	Units	1,1,1- Trichloroethane	1,1- Dichloroethane	1,1- Dichloroethylene	1,2- Dichloroethane	Bromodichloro- methane	Carbon disulfide	Chloroform	cis-1,2- Dichloroethylene	Dibromochloro- methane	Methylene Chloride	Tetrachloroethylene	Toluene	trans-1,2- Dichloroethylene	Trichloroethylene	Vinyl Chloride	Xylene (total)
MW-3	6/4/2003	µg/L	<1.0	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	74	<5.0	<1.0	<1.0	<1.0	<3.0
MW-3	12/30/2003	µg/L	<2	<2	<2	NA	NA	NA	NA	<2	NA	<2	220	<2	<2	<2	<2	<4
MW-3	3/14/2005	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	113	NA	<1.00	<1.00	<1.00	NA
MW-3	3/28/2006	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	305	NA	<1.00	<1.00	<1.00	NA
MW-3	1/9/2008	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	59.8	NA	<1.00	<1.00	<1.00	NA
MW-3	11/5/2009	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	82.1	NA	<1.00	<1.00	<1.00	NA
MW-3	4/30/2010	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	238	NA	<1.00	1.03	<1.00	NA
MW-3	10/25/2010	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	391	NA	<1.00	2.79	<1.00	NA
MW-3	5/24/2011	µg/L	<1.0	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	47	<1.0	<1.0	<1.0	<2.0	<10
MW-3	11/9/2011	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	140	NA	<1.00	3.23	<1.00	NA
MW-3	5/9/2012	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	64.5	NA	<1.00	<1.00	<1.00	NA
MW-3	3/5/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	45.1	<0.2	<0.34	1.1	<0.33	<0.66
MW-3	10/28/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	49.9	<0.2	<0.34	1.4	<0.33	<0.66
MW-3	4/21/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	0.92 J	<0.4	<0.21	<0.22	<0.25	<0.51
MW-3	10/27/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	0.24 J	<0.2	<2	57.4	<0.4	<0.21	0.79 J	<0.25	<0.51
MW-3	4/13/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	0.68	<0.26	<2	98	<0.2	<0.33	1.2	<0.31	<0.56
MW-3	10/26/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	0.58 J	<0.26	<2	91.6	<0.2	<0.33	1.1	<0.31	<0.56
MW-3	4/11/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	3.6	<0.28	<2	199	<0.3	<0.22	3.6	<0.41	<0.72
MW-3	10/17/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	0.33 J	<0.28	<2	77.3	<0.3	<0.22	1.6	<0.41	<0.72
MW-3	5/9/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	95.2	<0.3	<0.22	1.2	<0.41	<0.72
MW-3	10/31/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	0.51	<0.28	<2	86.8	<0.3	<0.22	1.3	<0.41	<0.72
MW-3	4/23/2019	µg/L	<0.5	<0.68	<0.64	<0.62	<0.48	<1.1	<0.6	1.9	<0.55	<4	132	<0.6	<0.44	1.7	<0.82	<1.4
MW-3	10/15/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	0.44 J	<0.28	<2	98.8	<0.3	<0.22	1.3	<0.41	<0.72
MW-3	4/15/2020	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	2	<0.28	<2	122 E	<0.3	<0.22	1.8	<0.41	<0.72
MW-3	10/20/2020	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	2.2	<0.28	<2	119	<0.3	<0.22	3.1	<0.41	<0.72
MW-3	4/13/2021	ug/l	<0.5	<0.68	<0.64	<0.62	<0.48	<1.1	<0.6	2.8	<0.55	<4	137	<0.6	<0.44	2.5	<0.82	<1.4
MW-3D	1/9/2008	µg/L	<1.00	<1.00	9.68	NA	NA	NA	NA	5.52	NA	<1.00	432	NA	<1.00	3.33	<1.00	NA
MW-3D	11/5/2009	µg/L	<1.00	<1.00	11.8	NA	NA	NA	NA	8.92	NA	<1.00	612	NA	<1.00	4.11	<1.00	NA
MW-3D	4/30/2010	µg/L	<1.00	<1.00	9.92	NA	NA	NA	NA	9.33	NA	<1.00	764	NA	<1.00	6.1	<1.00	NA
MW-3D	10/26/2010	µg/L	<1.00	<1.00	11.7	NA	NA	NA	NA	9.98	NA	<1.00	544	NA	<1.00	4.51	<1.00	NA
MW-3D	5/24/2011	µg/L	<1.0	<1.0	11	NA	NA	NA	NA	9.4	NA	<1.0	600	<1.0	<1.0	4.7	<2.0	<10
MW-3D	11/9/2011	µg/L	<1.00	<1.00	10.8	NA	NA	NA	NA	9.93	NA	<1.00	526	NA	<1.00	4.01	<1.00	NA
MW-3D	5/9/2012	µg/L	<1.00	<1.00	10.3	NA	NA	NA	NA	8.58	NA	<1.00	520	NA	<1.00	4.48	<1.00	NA
MW-3D	3/5/2014	µg/L	<0.34	<0.26	10.4	<0.24	<0.26	<0.2	<0.31	7	<0.36	<2	204	<0.2	<0.34	6	<0.33	<0.66
MW-3D	10/28/2014	µg/L	0.58 J	<0.26	16.2	<0.24	<0.26	<0.2	<0.31	5.9	<0.36	<2	384	<0.2	<0.34	4.2	<0.33	<0.66
MW-3D	4/21/2015	µg/L	<0.26	<0.2	12.4	<0.2	<0.22	<0.29	<0.3	8.4	<0.2	<2	316 /M/M	<0.4	<0.21	8.1	<0.25	<0.51
MW-3D	10/27/2015	µg/L	<1.3	<1	9.7	<1	<1.1	<1.5	<1.5	5.6	<1	<10	353	<2	<1	6.7	<1.3	<2.6
MW-3D	4/13/2016	µg/L	<1	<1.3	5.7	<1.4	<1.2	<1.2	<1.5	7.8	<1.3	<10	285	<1	<1.7	8.3	<1.6	<2.8
MW-3D	10/26/2016	µg/L	0.25 J	<0.26	8.8	<0.28	<0.24	<0.23	<0.3	8.3	<0.26	<2	331	<0.2	<0.33	7.6	<0.31	<0.56
MW-3D	4/11/2017	µg/L	0.27 J	<0.34	8	<0.31	<0.24	<0.53	<0.3	8	<0.28	<2	223	<0.3	<0.22	8.1	<0.41	<0.72
MW-3D	10/17/2017	µg/L	<0.62	<0.85	8.8	<0.78	<0.61	<1.3	<0.75	6.4	<0.69	<5	290	<0.75	<0.55	4.4	<1	<1.8
MW-3D	5/9/2018	µg/L	<1.2	<1.7	6.7	<1.6	<1.2	<2.7	<1.5	7	<1.4	<10	299	<1.5	<1.1	7.4	<2	<3.6
MW-3D	10/31/2018	µg/L	<1.2	<1.7	7.8	<1.6	<1.2	<2.7	<1.5	9	<1.4	<10	432	<1.5	<1.1	6.4	<2	<3.6
MW-3D	4/23/2019	µg/L	<1.2	<1.7	5.6	<1.6	<1.2	<2.7	<1.5	7.4	<1.4	<10	296	<1.5	<1.1	9	<2	<3.6
MW-3D	10/15/2019	µg/L	<1.2	<1.7	6.3	<1.6	<1.2	<2.7	<1.5	6.8	<1.4	<10	258	<1.5	<1.1	5.7	<2	<3.6
MW-3D	4/15/2020	µg/L	<0.62	<0.85	4.8	<0.78	<0.61	<1.3	<0.75	8.7	<0.69	<5	220	<0.75	<0.55	9.6	<1	<1.8
MW-3D	10/20/2020	ug/l	<0.62	<0.85	5.9	<0.78	<0.61	<1.3	<0.75	8	<0.69	<5	347	<0.75	<0.55	5.3	<1	<1.8
MW-3D	4/13/2021	ug/l	<1.2	<1.7	3.7 J	<1.6	<1.2	<2.7	<1.5	7.5	<1.4	<10	179	<1.5	<1.1	7.4	<2	<3.6

Appendix C
Historical VOC Data
Delavan Spray Technologies Site
Bamberg, South Carolina

Well No.	Sample Date	Units	1,1,1- Trichloroethane	1,1- Dichloroethane	1,1- Dichloroethylene	1,2- Dichloroethane	Bromodichloro- methane	Carbon disulfide	Chloroform	cis-1,2- Dichloroethylene	Dibromochloro- methane	Methylene Chloride	Tetrachloroethylene	Toluene	trans-1,2- Dichloroethylene	Trichloroethylene	Vinyl Chloride	Xylene (total)
MW-3D1	11/5/2009	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-3D1	4/30/2010	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-3D1	5/24/2011	µg/L	<1.0	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<10
MW-3D1	11/9/2011	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-3D1	5/9/2012	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-3D1	3/5/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	<0.26	<0.2	<0.34	<0.3	<0.33	<0.66
MW-3D1	10/28/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	<0.26	<0.2	<0.34	<0.3	<0.33	<0.66
MW-3D1	4/21/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	<0.33	<0.4	<0.21	<0.22	<0.25	<0.51
MW-3D1	10/27/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	<0.33	<0.4	<0.21	<0.22	<0.25	<0.51
MW-3D1	10/26/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	<0.3	<0.2	<0.33	<0.27	<0.31	<0.56
MW-3D1	10/17/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-3D1	10/31/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-3D1	10/15/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-3D1	10/21/2020	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-4	6/4/2003	µg/L	<1.0	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<3.0
MW-4	12/30/2003	µg/L	<2	<2	<2	NA	NA	NA	NA	<2	NA	<2	<2	<2	<2	<2	<2	<4
MW-4	3/14/2005	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-4	3/28/2006	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-4	1/9/2008	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-4	11/5/2009	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4	4/29/2010	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-4	10/25/2010	µg/L	<10.0	<10.0	<10.0	NA	NA	NA	NA	<10.0	NA	<10.0	<10.0	NA	<10.0	<10.0	<10.0	NA
MW-4	5/24/2011	µg/L	<1.0	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<10
MW-4	5/8/2012	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-4	3/12/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	<0.26	<0.2	<0.34	<0.3	<0.33	<0.66
MW-4	4/21/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	<0.33	0.54 J	<0.21	<0.22	<0.25	<0.51
MW-4	10/27/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	<0.33	<0.4	<0.21	<0.22	<0.25	<0.51
MW-4	10/26/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	<0.3	0.42 J	<0.33	<0.27	<0.31	<0.56
MW-4	10/17/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-4	10/31/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	0.28	<0.3	<0.22	<0.35	<0.41	<0.72
MW-4	10/16/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-4	10/20/2020	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-5	6/4/2003	µg/L	<1.0	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	160	<5.0	<1.0	<1.0	<1.0	<3.0
MW-5	12/31/2003	µg/L	<2	<2	<2	NA	NA	NA	NA	<2	NA	<2	230	<2	<2	<2	<2	<4
MW-5	3/14/2005	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	345	NA	<1.00	<1.00	<1.00	NA
MW-5	3/28/2006	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	3.79	NA	<1.00	<1.00	<1.00	NA
MW-5	1/9/2008	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	97.6	NA	<1.00	<1.00	<1.00	NA
MW-5	11/5/2009	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	2.42	NA	<1.00	<1.00	<1.00	NA
MW-5	4/30/2010	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	1.46	NA	<1.00	<1.00	<1.00	NA
MW-5	10/26/2010	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-5	5/24/2011	µg/L	<1.0	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<10
MW-5	11/9/2011	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	1.55	NA	<1.00	<1.00	<1.00	NA
MW-5	5/9/2012	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	2.57	NA	<1.00	<1.00	<1.00	NA
MW-5	3/5/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	11.7	<0.2	<0.34	<0.3	<0.33	<0.66
MW-5	10/28/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	1.1	<0.2	<0.34	<0.3	<0.33	<0.66
MW-5	4/21/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	1	<0.2	<2	74.3	<0.4	<0.21	1.3	<0.25	<0.51
MW-5	10/28/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	16.2	<0.4	<0.21	<0.22	<0.25	<0.51
MW-5	4/11/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	0.53	<0.2	<0.33	<0.27	<0.31	<0.56
MW-5	10/26/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	2.5	<0.2	<0.33	<0.27	<0.31	<0.56
MW-5	4/12/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	2.7	<0.3	<0.22	<0.35	<0.41	<0.72
MW-5	10/17/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	0.87 J	<0.3	<0.22	<0.35	<0.41	<0.72
MW-5	5/9/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	27.7	<0.3	<0.22	<0.35	<0.41	<0.72
MW-5	11/1/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	1.5	<0.3	<0.22	<0.35	<0.41	<0.72
MW-5	4/24/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	1.2	<0.3	<0.22	<0.35	<0.41	<0.72
MW-5	10/16/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	0.69 J	<0.3	<0.22	<0.35	<0.41	<0.72
MW-5	4/15/2020	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	1.9	<0.3	<0.22	<0.35	<0.41	<0.72
MW-5	10/20/2020	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	0.89 J	<0.3	<0.22	<0.35	<0.41	<0.72

Appendix C
Historical VOC Data
Delavan Spray Technologies Site
Bamberg, South Carolina

Well No.	Sample Date	Units	1,1,1- Trichloroethane	1,1- Dichloroethane	1,1- Dichloroethylene	1,2- Dichloroethane	Bromodichloro- methane	Carbon disulfide	Chloroform	cis-1,2- Dichloroethylene	Dibromochloro- methane	Methylene Chloride	Tetrachloroethylene	Toluene	trans-1,2- Dichloroethylene	Trichloroethylene	Vinyl Chloride	Xylene (total)
MW-6	6/4/2003	µg/L	<1.0	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<3.0
MW-6	12/31/2003	µg/L	<2	<2	<2	NA	NA	NA	NA	<2	NA	<2	<2	<2	<2	<2	<2	<4
MW-6	3/14/2005	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-6	3/28/2006	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-6	1/9/2008	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-6	11/5/2009	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-6	4/30/2010	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-6	5/24/2011	µg/L	<1.0	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<10
MW-6	11/9/2011	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-6	5/9/2012	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-6	3/11/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	0.59 J	<0.33	<0.36	<2	<0.26	<0.2	<0.34	<0.3	<0.33	<0.66
MW-6	4/21/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	<0.33	<0.4	<0.21	<0.22	<0.25	<0.51
MW-6	10/28/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	<0.33	<0.4	<0.21	<0.22	<0.25	<0.51
MW-6	10/25/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	<0.3	<0.2	<0.33	<0.27	<0.31	<0.56
MW-6	10/17/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-6	10/30/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-6	10/15/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-6	10/20/2020	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-7	12/31/2003	µg/L	<2	<2	<2	NA	NA	NA	NA	<2	NA	<2	<2	<2	<2	<2	<2	5.3
MW-7	3/14/2005	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-7	3/28/2006	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-7	1/9/2008	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-7	11/5/2009	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-7	4/30/2010	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-7	5/24/2011	µg/L	<1.0	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<10
MW-7	11/8/2011	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-7	5/9/2012	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-7	3/5/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	<0.26	<0.2	<0.34	<0.3	<0.33	<0.66
MW-7	4/21/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	<0.33	<0.4	<0.21	<0.22	<0.25	<0.51
MW-7	10/28/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	1.4	<0.4	<0.21	<0.22	<0.25	<0.51
MW-7	4/13/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	<0.3	<0.2	<0.33	<0.27	<0.31	<0.56
MW-7	10/26/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	<0.3	<0.2	<0.33	<0.27	<0.31	<0.56
MW-7	4/12/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	0.49 J	<0.3	<0.22	<0.35	<0.41	<0.72
MW-7	10/17/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-7	5/9/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-7	11/1/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-7	4/24/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	0.38	<0.22	<0.35	<0.41	<0.72
MW-7	10/16/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-7	4/15/2020	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-7	10/21/2020	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72

Appendix C
Historical VOC Data
Delavan Spray Technologies Site
Bamberg, South Carolina

Well No.	Sample Date	Units	1,1,1- Trichloroethane	1,1- Dichloroethane	1,1- Dichloroethylene	1,2- Dichloroethane	Bromodichloro- methane	Carbon disulfide	Chloroform	cis-1,2- Dichloroethylene	Dibromochloro- methane	Methylene Chloride	Tetrachloroethylene	Toluene	trans-1,2- Dichloroethylene	Trichloroethylene	Vinyl Chloride	Xylene (total)
MW-8	12/31/2003	µg/L	<2	<2	<2	NA	NA	NA	NA	<2	NA	<2	30	1.9J	<2	<2	<2	4.7
MW-8	3/14/2005	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	135	NA	<1.00	1.1	<1.00	NA
MW-8	3/28/2006	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	102	NA	<1.00	1.1	<1.00	NA
MW-8	1/9/2008	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	159	NA	<1.00	1.66	<1.00	NA
MW-8	11/5/2009	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	94.1	NA	<1.00	1.38	<1.00	NA
MW-8	4/30/2010	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	28.3	NA	<1.00	<1.00	<1.00	NA
MW-8	10/25/2010	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	76.4	NA	<1.00	1.22	<1.00	NA
MW-8	5/24/2011	µg/L	<1.0	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	100	<1.0	<1.0	2.3	<2.0	<10
MW-8	11/9/2011	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	276	NA	<1.00	5.31	<1.00	NA
MW-8	5/9/2012	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	1.11	NA	<1.00	491	NA	<1.00	8.42	<1.00	NA
MW-8	3/11/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	114	<0.2	<0.34	6.8	<0.33	<0.66
MW-8	10/28/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	71.4	<0.2	<0.34	3.2	<0.33	<0.66
MW-8	4/21/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	28.5	<0.4	<0.21	0.97 J	<0.25	<0.51
MW-8	10/28/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	26	<0.4	<0.21	2.2	<0.25	<0.51
MW-8	4/11/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	7.8	<0.2	<0.33	<0.27	<0.31	<0.56
MW-8	10/24/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	35.8	<0.2	<0.33	4.9	<0.31	<0.56
MW-8	4/11/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	18.8	<0.3	<0.22	1.8	<0.41	<0.72
MW-8	10/18/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	0.31 J	<0.28	<2	47.9	<0.3	<0.22	4.7	<0.41	<0.72
MW-8	5/9/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	0.9 J	<0.28	<2	81.6	<0.3	<0.22	10.4	<0.41	<0.72
MW-8	10/30/2018	µg/L	<0.5	<0.68	<0.64	<0.62	<0.48	<1.1	<0.6	2.7	<0.55	<4	176	<0.6	<0.44	21.5	<0.82	<1.4
MW-8	4/24/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	1.8	<0.28	<2	174	<0.3	<0.22	14.2	<0.41	<0.72
MW-8	10/14/2019	µg/L	<0.5	<0.68	<0.64	<0.62	<0.48	<1.1	<0.6	3.1	<0.55	<4	299	<0.6	<0.44	28.9	<0.82	<1.4
MW-8	4/15/2020	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	4	<0.28	<2	346	<0.3	<0.22	31	<0.41	<0.72
MW-8	10/21/2020	ug/l	<0.62	<0.85	<0.81	<0.78	<0.61	<1.3	<0.75	7.3	<0.69	<5	355	<0.75	<0.55	43.6	<1	<1.8
MW-8	4/13/2021	ug/l	<1.2	<1.7	<1.6	<1.6	<1.2	<2.7	<1.5	5.6	<1.4	<10	224	<1.5	<1.1	32.2	<2	<3.6
MW-9/MWT-1	12/31/2003	µg/L	<800	<800	<800	NA	NA	NA	NA	<800	NA	<800	7500	<800	<800	<800	<800	<2,000
MW-9/MWT-1	3/14/2005	µg/L	<1.00	<1.00	7.3	NA	NA	NA	NA	19.1	NA	<1.00	3520	NA	<1.00	76	<1.00	NA
MW-9/MWT-1	6/1/2005	µg/L	<1.00	<1.00	6.7	NA	NA	NA	NA	226	NA	<1.00	4670	NA	1.4	280	<1.00	NA
MW-9/MWT-1	9/20/2005	µg/L	1.28	<1.00	13.6	NA	NA	NA	NA	158	NA	<1.00	5000	NA	1.9	295	<1.00	NA
MW-9/MWT-1	12/12/2005	µg/L	2.05	<1.00	8.94	NA	NA	NA	NA	182	NA	<1.00	3920	NA	1.37	286	<1.00	NA
MW-9/MWT-1	3/28/2006	µg/L	<1.00	<1.00	8.51	NA	NA	NA	NA	362	NA	<1.00	4560	NA	1.57	372	<1.00	NA
MW-9/MWT-1	6/26/2006	µg/L	<1.0	<1.0	12	NA	NA	NA	NA	520	NA	<1.0	1500	NA	1.7	330	<1.0	NA
MW-9/MWT-1	10/21/2006	µg/L	<1.0	<1.0	23.5	NA	NA	NA	NA	540	NA	<1.0	7490	NA	<1.0	504	<1.0	NA
MW-9/MWT-1	1/12/2007	µg/L	<1.00	<1.00	25.3	NA	NA	NA	NA	442	NA	<1.00	5630	NA	1.97	626	<1.00	NA
MW-9/MWT-1	1/9/2008	µg/L	1.08	<1.00	5.01	NA	NA	NA	NA	271	NA	<1.00	2410	NA	1.39	297	8.73	NA
MW-9/MWT-1	11/4/2009	µg/L	<1.00	<1.00	11.6	NA	NA	NA	NA	379	NA	<1.00	2950	NA	2.21	559	<1.00	NA
MW-9/MWT-1	4/29/2010	µg/L	<1.00	<1.00	11.1	NA	NA	NA	NA	236	NA	<1.00	4170	NA	3.41	320	4.79	NA
MW-9/MWT-1	10/25/2010	µg/L	<20.0	<20.0	<20.0	NA	NA	NA	NA	326	NA	<20.0	3660	NA	<20.0	579	<20.0	NA
MW-9/MWT-1	5/24/2011	µg/L	<10	<10	<10	NA	NA	NA	NA	160	NA	<10	1200	<10	<10	380	<20	<100
MW-9/MWT-1	11/9/2011	µg/L	1.2	<1.00	19.7	NA	NA	NA	NA	200	NA	<1.00	4000	NA	1.47	450	<1.00	NA
MW-9/MWT-1	5/8/2012	µg/L	<1.00	<1.00	2.92	NA	NA	NA	NA	127	NA	<1.00	755	NA	1.09	258	<1.00	NA
MW-9	3/6/2014	µg/L	<1.7	<1.3	<1.3	<1.2	<1.3	<1	<1.6	31.5	<1.8	<10	498	<1	<1.7	55.3	<1.6	<3.3
MW-9	10/29/2014	µg/L	<0.34	<0.26	2.2	<0.24	<0.26	<0.2	<0.31	92.2	<0.36	<2	727 /M/m	<0.2	0.59 J	159	<0.33	<0.66
MW-9	4/22/2015	µg/L	<2.6	<2	<2.7	<2	<2.2	<2.9	<3	33.1	<2	<20	1760	<4	<2.1	133	<2.5	<5.1
MW-9	10/27/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	116	<0.2	<2	1070	<0.4	1.1	172 /M/M	<0.25	<0.51
MW-9	4/12/2016	µg/L	<2	<2.6	<2.2	<2.8	<2.4	<2.3	<3	49.2	<2.6	<20	771	<2	<3.3	115	<3.1	<5.6
MW-9	10/26/2016	µg/L	<2	<2.6	<2.2	<2.8	<2.4	<2.3	<3	19.2	<2.6	<20	685	<2	<3.3	106	<3.1	<5.6
MW-9	4/10/2017	µg/L	<1.2	<1.7	<1.6	<1.6	<1.2	<2.7	<1.5	7.8	<1.4	<10	326	<1.5	<1.1	43.8	<2	<3.6
MW-9	10/17/2017	µg/L	<1.2	<1.7	<1.6	<1.6	<1.2	<2.7	<1.5	109	<1.4	<10	646	<1.5	<1.1	157	<2	<3.6
MW-9	5/9/2018	µg/L	<1.2	<1.7	<1.6	<1.6	<1.2	<2.7	<1.5	5.9	<1.4	<10	466	<1.5	<1.1	46.5	<2	<3.6
MW-9	10/30/2018	µg/L	<1.2	<1.7	<1.6	<1.6	<1.2	<2.7	<1.5	75.6	<1.4	<10	2240	<1.5	<1.1	441	<2	<3.6
MW-9	4/23/2019	µg/L	<1.2	<1.7	<1.6	<1.6	<1.2	<2.7	<1.5	9.6	<1.4	<10	513	<1.5	<1.1	47.1	<2	<3.6
MW-9	10/16/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	3.2	<0.28	<2	194 /M/M	<0.3	<0.22	24.6	<0.41	<0.72
MW-9	4/15/2020	µg/L	<0.62	<0.85	<0.81	<0.78	<0.61	<1.3	<0.75	28.1	<0.69	<5	402 /M/m	<0.75	<0.55	97.4 /M/m	<1	<1.8
MW-9	10/20/2020	ug/l	<1.2	<1.7	<1.6	<1.6	<1.2	<2.7	<1.5	17.3	<1.4	<10	443	<1.5	<1.1	116	<2	<3.6
MW-9	4/13/2021	ug/l	<1.2	<1.7	<1.6	<1.6	<1.2	<2.7	<1.5	14.4	<1.4	<10	156	<1.5	<1.1	45.6	<2	<3.6

Appendix C
Historical VOC Data
Delavan Spray Technologies Site
Bamberg, South Carolina

Well No.	Sample Date	Units	1,1,1- Trichloroethane	1,1- Dichloroethane	1,1- Dichloroethylene	1,2- Dichloroethane	Bromodichloro- methane	Carbon disulfide	Chloroform	cis-1,2- Dichloroethylene	Dibromochloro- methane	Methylene Chloride	Tetrachloroethylene	Toluene	trans-1,2- Dichloroethylene	Trichloroethylene	Vinyl Chloride	Xylene (total)
MW-9D	1/9/2008	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-9D	11/4/2009	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-9D	4/29/2010	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-9D	5/24/2011	µg/L	<1.0	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<10
MW-9D	11/9/2011	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-9D	5/8/2012	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-9D	3/6/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	<0.26	<0.2	<0.34	<0.3	<0.33	<0.66
MW-9D	4/21/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	<0.33	<0.4	<0.21	<0.22	<0.25	<0.51
MW-9D	10/27/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	<0.33	<0.4	<0.21	<0.22	<0.25	<0.51
MW-9D	10/26/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	<0.3	<0.2	<0.33	<0.27	<0.31	<0.56
MW-9D	10/17/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-9D	10/30/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-9D	10/16/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-9D	10/20/2020	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-10/MWT-2	12/31/2003	µg/L	<200	<200	520	NA	NA	NA	NA	<200	NA	<200	5800	<200	<200	<200	<200	<400
MW-10/MWT-2	3/14/2005	µg/L	26.4	<1.00	18.6	NA	NA	NA	NA	40.1	NA	<1.00	4360	NA	1	62.3	<1.00	NA
MW-10/MWT-2	6/1/2005	µg/L	12.7	1.7	17.5	NA	NA	NA	NA	40.8	NA	<1.00	5680	NA	<1.00	52	<1.00	NA
MW-10/MWT-2	9/20/2005	µg/L	9.03	<1.00	40	NA	NA	NA	NA	27.8	NA	<1.00	4360	NA	<1.00	46.2	<1.00	NA
MW-10/MWT-2	12/12/2005	µg/L	11.7	<1.00	14.4	NA	NA	NA	NA	23.2	NA	<1.00	3050	NA	<1.00	45.2	<1.00	NA
MW-10/MWT-2	3/28/2006	µg/L	6.1	<1.00	13.4	NA	NA	NA	NA	16.8	NA	<1.00	3090	NA	<1.00	27.4	<1.00	NA
MW-10/MWT-2	6/26/2006	µg/L	<20	<20	<20	NA	NA	NA	NA	21	NA	<20	1800	NA	<20	31	<20	NA
MW-10/MWT-2	10/21/2006	µg/L	<100	<100	<100	NA	NA	NA	NA	121	NA	<100	3380	NA	<100	<100	114	NA
MW-10/MWT-2	1/12/2007	µg/L	1.22	<1.00	2.08	NA	NA	NA	NA	12.4	NA	<1.00	2980	NA	<1.00	32.7	<1.00	NA
MW-10/MWT-2	1/9/2008	µg/L	10.9	<1.00	24.1	NA	NA	NA	NA	89.1	NA	<1.00	3250	NA	<1.00	71.9	<1.00	NA
MW-10/MWT-2	11/4/2009	µg/L	1.49	1.56	82.2	NA	NA	NA	NA	1120	NA	<1.00	1600	NA	1.22	33.9	<1.00	NA
MW-10/MWT-2	4/29/2010	µg/L	<1.00	<1.00	2.85	NA	NA	NA	NA	104	NA	<1.00	53.8	NA	<1.00	3.22	<1.00	NA
MW-10/MWT-2	10/25/2010	µg/L	<10.0	<10.0	108	NA	NA	NA	NA	1270	NA	<10.0	1150	NA	<10.0	129	<10.0	NA
MW-10/MWT-2	5/24/2011	µg/L	<20	<20	<20	NA	NA	NA	NA	390	NA	<20	2000	<20	<20	88	<40.0	<200
MW-10/MWT-2	11/9/2011	µg/L	<5.00	8.8	285	NA	NA	NA	NA	4250	NA	<5.00	4670	NA	<5.00	154	<5.00	NA
MW-10/MWT-2	5/8/2012	µg/L	3.7	<1.00	7.83	NA	NA	NA	NA	885	NA	<1.00	1810	NA	17.1	386	<1.00	NA
MW-10	3/5/2014	µg/L	<0.34	<0.26	0.36 J	<0.24	<0.26	<0.2	<0.31	13.9	<0.36	<2	93.2	<0.2	<0.34	15.1	<0.33	<0.66
MW-10	10/29/2014	µg/L	<0.34	0.37 J	32.7	<0.24	<0.26	<0.2	<0.31	664	<0.36	<2	136	2.6	0.51 J	36.9	<0.33	<0.66
MW-10	4/22/2015	µg/L	<0.26	<0.2	5.2	<0.2	<0.22	<0.29	<0.3	98.8	<0.2	<2	54.1	<0.4	<0.21	7.8	<0.25	<0.51
MW-10	10/26/2015	µg/L	<0.26	0.49 J	30.3	0.22 J	<0.22	<0.29	<0.3	506	<0.2	<2	66.4	1.1	0.25 J	45.2	0.5 J	<0.51
MW-10	4/12/2016	µg/L	<0.2	<0.26	6.7	<0.28	<0.24	<0.23	<0.3	90.8	<0.26	<2	43.3	1.2	<0.33	22.1	<0.31	<0.56
MW-10	10/25/2016	µg/L	<0.2	<0.26	9	<0.28	<0.24	<0.23	<0.3	146	<0.26	<2	41.4	7.2	0.49 J	13.5	<0.31	<0.56
MW-10	4/10/2017	µg/L	<0.25	<0.34	0.95 J	<0.31	<0.24	<0.53	<0.3	41	<0.28	<2	51.6	1.2	0.32 J	44.3	<0.41	<0.72
MW-10	10/17/2017	µg/L	<0.25	<0.34	23.7	<0.31	<0.24	<0.53	<0.3	350	<0.28	<2	149	<0.3	0.26 J	70.9	<0.41	<0.72
MW-10	5/9/2018	µg/L	0.26 J	<0.34	2.4	<0.31	<0.24	<0.53	<0.3	136	<0.28	<2	180	<0.3	0.42 J	98.6	<0.41	<0.72
MW-10	10/30/2018	µg/L	<2.5	<3.4	8.2	<3.1	<2.4	<5.3	<3	135	<2.8	<20	1550	<3	<2.2	98.3	<4.1	<7.2
MW-10	4/23/2019	µg/L	<0.25	<0.34	3	<0.31	<0.24	<0.53	<0.3	72.6	<0.28	<2	82.8	<0.3	<0.22	28.3	<0.41	<0.72
MW-10	10/16/2019	µg/L	0.53 J	1.4	59.1	<0.31	<0.24	<0.53	<0.3	1980	<0.28	<2	409	<0.3	0.64 J	482	<0.41	<0.72
MW-10	4/15/2020	µg/L	<0.25	<0.34	7.4	<0.31	<0.24	<0.53	<0.3	78.1	<0.28	<2	70.3	<0.3	<0.22	32.8	<0.41	<0.72
MW-10	10/20/2020	ug/l	<0.5	<0.68	9.4	<0.62	<0.48	<1.1	<0.6	180	<0.55	<4	494	1.5 J	<0.44	99.5	<0.82	<1.4
MW-10	4/13/2021	ug/l	<2.5	<3.4	5.7 J	<3.1	<2.4	<5.3	<3	105	<2.8	<20	66.8	<3	<2.2	25.2	<4.1	<7.2

Appendix C
Historical VOC Data
Delavan Spray Technologies Site
Bamberg, South Carolina

Well No.	Sample Date	Units	1,1,1- Trichloroethane	1,1- Dichloroethane	1,1- Dichloroethylene	1,2- Dichloroethane	Bromodichloro- methane	Carbon disulfide	Chloroform	cis-1,2- Dichloroethylene	Dibromochloro- methane	Methylene Chloride	Tetrachloroethylene	Toluene	trans-1,2- Dichloroethylene	Trichloroethylene	Vinyl Chloride	Xylene (total)
MW-10D	1/9/2008	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	4.09	NA	<1.00	<1.00	<1.00	NA
MW-10D	11/4/2009	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-10D	4/29/2010	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-10D	5/24/2011	µg/L	<1.0	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<10
MW-10D	11/9/2011	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-10D	5/8/2012	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-10D	3/5/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	<0.26	<0.2	<0.34	<0.3	<0.33	<0.66
MW-10D	10/29/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	<0.26	<0.2	<0.34	<0.3	<0.33	<0.66
MW-10D	4/22/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	<0.33	<0.4	<0.21	<0.22	<0.25	<0.51
MW-10D	10/26/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	<0.33	<0.4	<0.21	<0.22	<0.25	<0.51
MW-10D	10/25/2016	µg/L	<0.2 //h	<0.26 //h	<0.22 //h	<0.28 //h	<0.24 //h	<0.23 //h	<0.3 //h	<0.31 //h	<0.26 //h	<2 //h	<0.3 //h	<0.2 //h	<0.33 //h	<0.27 //h	<0.31 //h	<0.56 //h
MW-10D	10/17/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-10D	10/30/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-10D	10/16/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	0.25 J	<0.3	<0.22	<0.35	<0.41	<0.72
MW-10D	10/20/2020	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	0.4 J	<0.3	<0.22	<0.35	<0.41	<0.72
MW-10D	4/13/2021	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	0.4 J	<0.3	<0.22	<0.35	<0.41	<0.72
MW-11/MWT-3	12/31/2003	µg/L	<2	<2	<2	NA	NA	NA	NA	<2	NA	<2	<2	<2	<2	<2	<2	<4
MW-11/MWT-3	3/14/2005	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-11/MWT-3	3/28/2006	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-11/MWT-3	1/9/2008	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-11/MWT-3	11/4/2009	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-11/MWT-3	4/29/2010	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-11/MWT-3	5/24/2011	µg/L	<1.0	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<10
MW-11/MWT-3	11/9/2011	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-11/MWT-3	5/8/2012	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-11	3/11/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	<0.26	<0.2	<0.34	<0.3	<0.33	<0.66
MW-11	4/21/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	<0.33	<0.4	<0.21	<0.22	<0.25	<0.51
MW-11	10/26/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	<0.33	4.2	<0.21	<0.22	<0.25	<0.51
MW-11	10/25/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	<0.3	1	<0.33	<0.27	<0.31	<0.56
MW-11	10/16/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-11	10/30/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-11	10/15/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-11	10/21/2020	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-12D	11/5/2009	µg/L	<1.00	<1.00	1.11	NA	NA	NA	NA	<1.00	NA	<1.00	87.7	NA	<1.00	<1.00	<1.00	NA
MW-12D	4/30/2010	µg/L	1.13	<1.00	3.67	NA	NA	NA	NA	<1.00	NA	<1.00	451	NA	<1.00	<1.00	<1.00	NA
MW-12D	10/25/2010	µg/L	<1.00	<1.00	1.07	NA	NA	NA	NA	<1.00	NA	<1.00	72.3	NA	<1.00	<1.00	<1.00	NA
MW-12D	5/23/2011	µg/L	<1.0	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	12	<1.0	<1.0	<1.0	<2.0	<10
MW-12D	11/8/2011	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	20.8	NA	<1.00	<1.00	<1.00	NA
MW-12D	5/9/2012	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	21.4	NA	<1.00	<1.00	<1.00	NA
MW-12D	3/11/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	40.7	<0.2	<0.34	<0.3	<0.33	<0.66
MW-12D	10/29/2014	µg/L	<0.34	<0.26	0.64 J	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	25.5	<0.2	<0.34	<0.3	<0.33	<0.66
MW-12D	4/21/2015	µg/L	<0.26	<0.2	1.4	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	65.6	<0.4	<0.21	<0.22	<0.25	<0.51
MW-12D	10/27/2015	µg/L	<0.26	<0.2	0.54 J	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	25.1	<0.4	<0.21	<0.22	<0.25	<0.51
MW-12D	4/13/2016	µg/L	<0.4	<0.51	2.9	<0.57	<0.48	<0.46	<0.6	<0.62	<0.52	<4	140	<0.4	<0.66	<0.54	<0.63	<1.1
MW-12D	10/25/2016	µg/L	<0.2 //h	<0.26 //h	1.2 //h	<0.28 //h	<0.24 //h	<0.23 //h	<0.3 //h	<0.31 //h	<0.26 //h	<2 //h	69.2 //h	<0.2 //h	<0.33 //h	<0.27 //h	<0.31 //h	<0.56 //h
MW-12D	4/10/2017	µg/L	<0.25	<0.34	2.4	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	98.6	<0.3	<0.22	<0.35	<0.41	<0.72
MW-12D	10/18/2017	µg/L	<0.25	<0.34	0.48 J	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	39.1	<0.3	<0.22	<0.35	<0.41	<0.72
MW-12D	5/8/2018	µg/L	<0.25	<0.34	0.55 J	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	33.5	<0.3	<0.22	<0.35	<0.41	<0.72
MW-12D	10/30/2018	µg/L	<0.25	<0.34	0.49	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	35.1	<0.3	<0.22	<0.35	<0.41	<0.72
MW-12D	4/23/2019	µg/L	<0.25	<0.34	1.2	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	92.1	<0.3	<0.22	<0.35	<0.41	<0.72
MW-12D	10/15/2019	µg/L	<0.25	<0.34	0.73 J	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	50.4	<0.3	<0.22	<0.35	<0.41	<0.72
MW-12D	4/14/2020	µg/L	<0.25	<0.34	1.6	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	129	<0.3	<0.22	<0.35	<0.41	<0.72
MW-12D	10/21/2020	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	47.3	<0.3	<0.22	<0.35	<0.41	<0.72
MW-12D	4/13/2021	ug/l	<0.25	<0.34	1.7	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	98.6	<0.3	<0.22	<0.35	<0.41	<0.72

Appendix C
Historical VOC Data
Delavan Spray Technologies Site
Bamberg, South Carolina

Well No.	Sample Date	Units	1,1,1- Trichloroethane	1,1- Dichloroethane	1,1- Dichloroethylene	1,2- Dichloroethane	Bromodichloro- methane	Carbon disulfide	Chloroform	cis-1,2- Dichloroethylene	Dibromochloro- methane	Methylene Chloride	Tetrachloroethylene	Toluene	trans-1,2- Dichloroethylene	Trichloroethylene	Vinyl Chloride	Xylene (total)
MW-13D	11/5/2009	µg/L	<1.00	<1.00	1.92	NA	NA	NA	NA	<1.00	NA	<1.00	96.4	NA	<1.00	<1.00	<1.00	NA
MW-13D	4/30/2010	µg/L	3.34	<1.00	4.6	NA	NA	NA	NA	<1.00	NA	<1.00	292	NA	<1.00	<1.00	<1.00	NA
MW-13D	10/25/2010	µg/L	1.21	<1.00	3.45	NA	NA	NA	NA	<1.00	NA	<1.00	120	NA	<1.00	<1.00	<1.00	NA
MW-13D	5/23/2011	µg/L	<1.0	<1.0	1.6	NA	NA	NA	NA	<1.0	NA	<1.0	56	<1.0	<1.0	<1.0	<2.0	<10
MW-13D	11/8/2011	µg/L	<1.00	<1.00	1.4	NA	NA	NA	NA	<1.00	NA	<1.00	74.9	NA	<1.00	<1.00	<1.00	NA
MW-13D	5/9/2012	µg/L	<1.00	<1.00	1.25	NA	NA	NA	NA	<1.00	NA	<1.00	74.3	NA	<1.00	<1.00	<1.00	NA
MW-13D	3/11/2014	µg/L	1	<0.26	3.6	<0.24	<0.26	<0.2	0.6 J	<0.33	<0.36	<2	94.1	<0.2	<0.34	<0.3	<0.33	<0.66
MW-13D	10/29/2014	µg/L	<0.34	<0.26	2	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	47.6	<0.2	<0.34	<0.3	<0.33	<0.66
MW-13D	4/22/2015	µg/L	1.5	<0.2	4.4	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	84.8	<0.4	<0.21	<0.22	<0.25	<0.51
MW-13D	10/27/2015	µg/L	0.39 J	<0.2	1.7	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	84.5	<0.4	<0.21	<0.22	<0.25	<0.51
MW-13D	4/13/2016	µg/L	3.1	<0.26	5.4	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	151	<0.2	<0.33	<0.27	<0.31	<0.56
MW-13D	10/25/2016	µg/L	2.5 J	<1.3	7	<1.4	<1.2	<1.2	<1.5	<1.6	<1.3	<10	298	<1	<1.7	<1.4	<1.6	<2.8
MW-13D	4/10/2017	µg/L	1.6	<0.34	4.1	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	168	<0.3	<0.22	<0.35	<0.41	<0.72
MW-13D	10/18/2017	µg/L	0.31 J	<0.34	1.7	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	84	<0.3	<0.22	<0.35	<0.41	<0.72
MW-13D	5/8/2018	µg/L	0.92 J	<0.34	2.9	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	92.5	<0.3	<0.22	<0.35	<0.41	<0.72
MW-13D	10/31/2018	µg/L	0.57	<0.34	2.3	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	73.9	<0.3	<0.22	<0.35	<0.41	<0.72
MW-13D	4/23/2019	µg/L	0.93	<0.34	3.2	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	170	<0.3	<0.22	<0.35	<0.41	<0.72
MW-13D	10/16/2019	µg/L	<0.5	<0.68	2	<0.62	<0.48	<1.1	<0.6	<0.55	<0.55	<4	126	<0.6	<0.44	<0.69	<0.82	<1.4
MW-13D	4/15/2020	µg/L	0.61 J	<0.68	3.6	<0.62	<0.48	<1.1	<0.6	<0.55	<0.55	<4	171	<0.6	<0.44	<0.69	<0.82	<1.4
MW-13D	10/21/2020	ug/l	0.51 J	<0.68	2.7	<0.62	<0.48	<1.1	<0.6	<0.55	<0.55	<4	139	<0.6	<0.44	<0.69	<0.82	<1.4
MW-13D	4/13/2021	ug/l	<0.5	<0.68	1.9 J	<0.62	<0.48	<1.1	<0.6	<0.55	<0.55	<4	116	<0.6	<0.44	<0.69	<0.82	<1.4
MW-14	11/5/2009	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-14	4/30/2010	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-14	10/25/2010	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-14	5/23/2011	µg/L	<1.0	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<10
MW-14	11/8/2011	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-14	5/9/2012	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-14	2/26/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	<0.26	<0.2	<0.34	<0.3	<0.33	<0.66
MW-14	10/28/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	<0.26	<0.2	<0.34	<0.3	<0.33	<0.66
MW-14	4/20/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	0.46 J	<0.4	<0.21	<0.22	<0.25	<0.51
MW-14	10/28/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	0.72 J	<0.4	<0.21	<0.22	<0.25	<0.51
MW-14	4/13/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	0.9	<0.2	<0.33	<0.27	<0.31	<0.56
MW-14	10/26/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	0.66 J	<0.2	<0.33	<0.27	<0.31	<0.56
MW-14	4/11/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	1.1	<0.3	<0.22	<0.35	<0.41	<0.72
MW-14	10/17/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	1.9	<0.3	<0.22	<0.35	<0.41	<0.72
MW-14	5/10/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	1.3	<0.3	<0.22	<0.35	<0.41	<0.72
MW-14	10/29/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	1	<0.3	<0.22	<0.35	<0.41	<0.72
MW-14	4/23/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-14	10/15/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	0.74 J	<0.3	<0.22	<0.35	<0.41	<0.72
MW-14	4/15/2020	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-14	10/20/2020	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72

Appendix C
Historical VOC Data
Delavan Spray Technologies Site
Bamberg, South Carolina

Well No.	Sample Date	Units	1,1,1- Trichloroethane	1,1- Dichloroethane	1,1- Dichloroethylene	1,2- Dichloroethane	Bromodichloro- methane	Carbon disulfide	Chloroform	cis-1,2- Dichloroethylene	Dibromochloro- methane	Methylene Chloride	Tetrachloroethylene	Toluene	trans-1,2- Dichloroethylene	Trichloroethylene	Vinyl Chloride	Xylene (total)
MW-14D	11/5/2009	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	18.7	NA	<1.00	<1.00	<1.00	NA
MW-14D	4/30/2010	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	74.8	NA	<1.00	<1.00	<1.00	NA
MW-14D	10/25/2010	µg/L	<1.00	<1.00	1.12	NA	NA	NA	NA	<1.00	NA	<1.00	85.3	NA	<1.00	<1.00	<1.00	NA
MW-14D	5/23/2011	µg/L	<1.0	<1.0	1.4	NA	NA	NA	NA	<1.0	NA	<1.0	92	<1.0	<1.0	<1.0	<2.0	<10
MW-14D	11/8/2011	µg/L	<1.00	<1.00	1.11	NA	NA	NA	NA	<1.00	NA	<1.00	77.3	NA	<1.00	<1.00	<1.00	NA
MW-14D	5/9/2012	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	82.1	NA	<1.00	<1.00	<1.00	NA
MW-14D	2/26/2014	µg/L	<0.34	<0.26	1.6	<0.24	<0.26	<0.2	<0.31	0.95 J	<0.36	<2	81.5	<0.2	<0.34	0.56 J	<0.33	<0.66
MW-14D	10/28/2014	µg/L	<0.34	<0.26	1.2	<0.24	<0.26	<0.2	<0.31	0.65 J	<0.36	<2	79.3	<0.2	<0.34	0.56 J	<0.33	<0.66
MW-14D	4/20/2015	µg/L	<0.26	<0.2	1.8	<0.2	<0.22	<0.29	<0.3	0.9 J	<0.2	<2	69.7	<0.4	<0.21	0.61 J	<0.25	<0.51
MW-14D	10/28/2015	µg/L	<0.26	<0.2	1	<0.2	<0.22	<0.29	<0.3	0.34 J	<0.2	<2	53.1	<0.4	<0.21	<0.22	<0.25	<0.51
MW-14D	4/13/2016	µg/L	<0.2	<0.26	1.5	<0.28	<0.24	<0.23	<0.3	0.98	<0.26	<2	78.5	<0.2	<0.33	0.73	<0.31	<0.56
MW-14D	10/26/2016	µg/L	<0.2	<0.26	1.4	<0.28	<0.24	<0.23	<0.3	0.86 J	<0.26	<2	84.3	<0.2	<0.33	0.65 J	<0.31	<0.56
MW-14D	4/11/2017	µg/L	<0.25	<0.34	1.7	<0.31	<0.24	<0.53	<0.3	1.1	<0.28	<2	84.6	<0.3	<0.22	0.77 J	<0.41	<0.72
MW-14D	10/17/2017	µg/L	<0.25	<0.34	0.72 J	<0.31	<0.24	<0.53	<0.3	0.34 J	<0.28	<2	63.4	<0.3	<0.22	0.43 J	<0.41	<0.72
MW-14D	5/10/2018	µg/L	<0.25	<0.34	1.1	<0.31	<0.24	<0.53	<0.3	0.61 J	<0.28	<2	59.9	<0.3	<0.22	0.56 J	<0.41	<0.72
MW-14D	10/30/2018	µg/L	<0.25	<0.34	0.83	<0.31	<0.24	<0.53	<0.3	0.37	<0.28	<2	54.3	<0.3	<0.22	0.48	<0.41	<0.72
MW-14D	4/23/2019	µg/L	<0.25	<0.34	0.99	<0.31	<0.24	<0.53	<0.3	0.51	<0.28	<2	80.6	<0.3	<0.22	0.62	<0.41	<0.72
MW-14D	10/15/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	65	<0.3	<0.22	0.58 J	<0.41	<0.72
MW-14D	4/15/2020	µg/L	<0.25	<0.34	0.95 J	<0.31	<0.24	<0.53	<0.3	0.44 J	<0.28	<2	59.9	<0.3	<0.22	0.53 J	<0.41	<0.72
MW-14D	10/20/2020	ug/l	<0.25	<0.34	0.85 J	<0.31	<0.24	<0.53	<0.3	0.49 J	<0.28	<2	53.1	<0.3	<0.22	<0.35	<0.41	<0.72
MW-14D	4/13/2021	ug/l	<0.25	<0.34	1.1	<0.31	<0.24	<0.53	<0.3	0.62 J	<0.28	<2	54.8	<0.3	<0.22	0.55 J	<0.41	<0.72
MW-15	5/25/2011	µg/L	<1.0	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<10
MW-15	6/28/2011	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	<1.00	<1.00	<1.00	<2.00	<3.00
MW-15	11/8/2011	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-15	5/8/2012	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-15	2/25/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	<0.26	<0.2	<0.34	<0.3	<0.33	<0.66
MW-15	10/29/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	<0.26	<0.2	<0.34	<0.3	<0.33	<0.66
MW-15	4/22/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	<0.33	<0.4	<0.21	<0.22	<0.25	<0.51
MW-15	10/26/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	<0.33	<0.4	<0.21	<0.22	<0.25	<0.51
MW-15	4/11/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	<0.3	<0.2	<0.33	<0.27	<0.31	<0.56
MW-15	10/25/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	<0.3	<0.2	<0.33	<0.27	<0.31	<0.56
MW-15	4/11/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-15	10/16/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	1.6	<0.22	<0.35	<0.41	<0.72
MW-15	5/7/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-15	10/29/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-15	4/22/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-15	10/14/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-15	4/14/2020	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-15	10/19/2020	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-15D	5/25/2011	µg/L	<1.0	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<10
MW-15D	6/28/2011	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	<1.00	<1.00	<1.00	<2.00	<3.00
MW-15D	11/8/2011	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-15D	5/8/2012	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-15D	2/25/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	0.24 J	<0.31	<0.33	<0.36	<2	<0.26	<0.2	<0.34	<0.3	<0.33	<0.66
MW-15D	10/29/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	<0.26	<0.2	<0.34	<0.3	<0.33	<0.66
MW-15D	4/22/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	<0.33	<0.4	<0.21	<0.22	<0.25	<0.51
MW-15D	10/26/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	<0.33	<0.4	<0.21	<0.22	<0.25	<0.51
MW-15D	4/11/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	<0.3	<0.2	<0.33	<0.27	<0.31	<0.56
MW-15D	10/25/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	<0.3	<0.2	<0.33	<0.27	<0.31	<0.56
MW-15D	4/11/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-15D	10/16/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-15D	10/29/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-15D	10/14/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-15D	10/19/2020	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72

Appendix C
Historical VOC Data
Delavan Spray Technologies Site
Bamberg, South Carolina

Well No.	Sample Date	Units	1,1,1- Trichloroethane	1,1- Dichloroethane	1,1- Dichloroethylene	1,2- Dichloroethane	Bromodichloro- methane	Carbon disulfide	Chloroform	cis-1,2- Dichloroethylene	Dibromochloro- methane	Methylene Chloride	Tetrachloroethylene	Toluene	trans-1,2- Dichloroethylene	Trichloroethylene	Vinyl Chloride	Xylene (total)
MW-15D1	5/8/2012	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-15D1	2/25/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	<0.26	<0.2	<0.34	<0.3	<0.33	<0.66
MW-15D1	10/29/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	<0.26	<0.2	<0.34	<0.3	<0.33	<0.66
MW-15D1	4/22/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	<0.33	<0.4	<0.21	<0.22	<0.25	<0.51
MW-15D1	10/26/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	<0.33	<0.4	<0.21	<0.22	<0.25	<0.51
MW-15D1	4/11/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	<0.3	<0.2	<0.33	<0.27	<0.31	<0.56
MW-15D1	10/25/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	<0.3	<0.2	<0.33	<0.27	<0.31	<0.56
MW-15D1	4/11/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-15D1	10/16/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-15D1	10/29/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-15D1	10/14/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-15D1	10/19/2020	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-16	5/25/2011	µg/L	<1.0	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<10
MW-16	6/28/2011	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	<1.00	<1.00	<1.00	<2.00	<3.00
MW-16	11/8/2011	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-16	5/8/2012	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-16	3/6/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	<0.26	<0.2	<0.34	<0.3	<0.33	<0.66
MW-16	10/29/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	<0.26	<0.2	<0.34	<0.3	<0.33	<0.66
MW-16	4/22/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	<0.33	<0.4	<0.21	<0.22	<0.25	<0.51
MW-16	10/27/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	<0.33	<0.4	<0.21	<0.22	<0.25	<0.51
MW-16	4/13/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	<0.3	<0.2	<0.33	<0.27	<0.31	<0.56
MW-16	10/25/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	<0.3	0.48 J	<0.33	<0.27	<0.31	<0.56
MW-16	4/10/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-16	10/17/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	38.3	<0.22	<0.35	<0.41	<0.72
MW-16	5/7/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-16	10/31/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-16	4/24/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	0.39	<0.22	<0.35	<0.41	<0.72
MW-16	10/16/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-16	4/15/2020	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-16	10/20/2020	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	0.72 J	<0.22	<0.35	<0.41	<0.72
MW-16D	5/25/2011	µg/L	<1.0	<1.0	<1.0	NA	NA	NA	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<10
MW-16D	6/28/2011	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	<1.00	<1.00	<1.00	<2.00	<3.00
MW-16D	11/8/2011	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-16D	5/8/2012	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
MW-16D	3/6/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	<0.26	<0.2	<0.34	<0.3	<0.33	<0.66
MW-16D	10/29/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	<0.26	<0.2	<0.34	<0.3	<0.33	<0.66
MW-16D	4/22/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	<0.33	<0.4	<0.21	<0.22	<0.25	<0.51
MW-16D	10/27/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	<0.33	<0.4	<0.21	<0.22	<0.25	<0.51
MW-16D	4/13/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	<0.3	<0.2	<0.33	<0.27	<0.31	<0.56
MW-16D	10/25/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	<0.3	<0.2	<0.33	<0.27	<0.31	<0.56
MW-16D	4/10/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-16D	10/17/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-16D	5/7/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-16D	10/31/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-16D	10/16/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-16D	10/20/2020	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72

Appendix C
Historical VOC Data
Delavan Spray Technologies Site
Bamberg, South Carolina

Well No.	Sample Date	Units	1,1,1- Trichloroethane	1,1- Dichloroethane	1,1- Dichloroethylene	1,2- Dichloroethane	Bromodichloro- methane	Carbon disulfide	Chloroform	cis-1,2- Dichloroethylene	Dibromochloro- methane	Methylene Chloride	Tetrachloroethylene	Toluene	trans-1,2- Dichloroethylene	Trichloroethylene	Vinyl Chloride	Xylene (total)
MW-17	3/10/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	<0.26	<0.2	<0.34	<0.3	<0.33	<0.66
MW-17	10/29/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	<0.26	<0.2	<0.34	<0.3	<0.33	<0.66
MW-17	4/21/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	<0.33	<0.4	<0.21	<0.22	<0.25	<0.51
MW-17	10/27/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	<0.33	<0.4	<0.21	<0.22	<0.25	<0.51
MW-17	10/26/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	<0.3	<0.2	<0.33	<0.27	<0.31	<0.56
MW-17	10/16/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-17	10/31/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-17	10/16/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-17	10/20/2020	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-18	3/10/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	<0.26	<0.2	<0.34	<0.3	<0.33	<0.66
MW-18	10/29/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	<0.26	<0.2	<0.34	<0.3	<0.33	<0.66
MW-18	4/22/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	<0.33	<0.4	<0.21	<0.22	<0.25	<0.51
MW-18	10/27/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	<0.33	<0.4	<0.21	<0.22	<0.25	<0.51
MW-18	10/26/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	<0.3	<0.2	<0.33	<0.27	<0.31	<0.56
MW-18	10/16/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-18	10/31/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-18	10/16/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-18	10/20/2020	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-19	3/6/2014	µg/L	<67	<51	<51	<48	<52	<40	<62	<65	<72	639 J	14000	<40	<69	<60	<65	<130
MW-19	10/28/2014	µg/L	16 J	<5.1	12 J	<4.8	<5.2	<4	<6.2	<6.5	<7.2	<40	3470	<4	<6.9	<6	<6.5	<13
MW-19	4/21/2015	µg/L	19.8 J	<4	15.6 J	<4	<4.3	<5.9	<6	12.5 J	<4	<40	4170	<8	<4.2	5.5 J	<5	<10
MW-19	10/28/2015	µg/L	34.6	<5	21.6 J	<5	<5.4	<7.4	<7.5	<5.5	<5	<50	8040	<10	<5.2	<5.4	<6.3	<13
MW-19	4/12/2016	µg/L	97.5	<26	39.1	<28	<24	<23	<30	<31	<26	221	16600	<20	<33	<27	<31	<56
MW-19	10/24/2016	µg/L	245	<51	<43	<57	<48	<46	<60	<62	<52	<400	34600	<40	<66	<54	<63	<110
MW-19	4/11/2017	µg/L	180 J	<85	<81	<78	<61	<130	<75	<69	<69	<500	24600	<75	<55	<86	<100	<180
MW-19	10/18/2017	µg/L	74.9 J	<85	<81	<78	<61	<130	299	<69	<69	<500	18700	<75	<55	<86	<100	<180
MW-19	5/9/2018	µg/L	69.5 J	<85	<81	<78	<61	<130	92.4 J	<69	<69	<500	18700	<75	<55	<86	<100	<180
MW-19	11/1/2018	µg/L	92.9	<0.34	36.1	<0.31	<0.24	<0.53	0.41	6.8	<0.28	<2	21500	0.39	<0.22	11.2	<0.41	<0.72
MW-19	4/22/2019	µg/L	95.2	<85	<81	<78	<61	<130	<75	<69	<69	<500	24400	<75	<55	<86	<100	<180
MW-19	10/16/2019	µg/L	230 J	<85	<81	<78	<61	<130	<75	<69	<69	<500	37,400	<75	<55	<86	<100	<180
MW-19	7/15/2020	ug/l	<120	<170	<160	<160	<120	<270	<150	<140	<140	<1000	29800	<150	<110	<170	<200	<360
MW-19	10/20/2020	ug/l	263 J	<170	<160	<160	<120	<270	<150	<140	<140	<1000	45600	<150	<110	<170	<200	<360
MW-19	4/12/2021	ug/l	<120	<170	<160	<160	<120	<270	<150	<140	<140	<1000	53900	<150	<110	<170	<200	<360
MW-20	3/6/2014	µg/L	<3.4	<2.6	<2.5	<2.4	<2.6	<2	<3.1	4 J	<3.6	<20	648	<2	<3.4	5 J	<3.3	<6.6
MW-20	10/28/2014	µg/L	<1.7	<1.3	<1.3	<1.2	<1.3	<1	<1.6	<1.6	<1.8	<10	428	<1	<1.7	2.7 J	<1.6	<3.3
MW-20	4/21/2015	µg/L	<1.3	<1	<1.4	<1	<1.1	<1.5	<1.5	2.6 J	<1	<10	452	<2	<1	4.2 J	<1.3	<2.6
MW-20	10/28/2015	µg/L	<1.3	<1	<1.4	<1	<1.1	<1.5	<1.5	<1.1	<1	11.1 J	623	<2	<1	4.6 J	<1.3	<2.6
MW-20	4/12/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	0.72	<0.26	<2	480	<0.2	<0.33	3.2	<0.31	<0.56
MW-20	10/24/2016	µg/L	<2	<2.6	<2.2	<2.8	<2.4	<2.3	<3	<3.1	<2.6	<20	503	<2	<3.3	<2.7	<3.1	<5.6
MW-20	4/11/2017	µg/L	<1.2	<1.7	<1.6	<1.6	<1.2	<2.7	<1.5	1.5 J	<1.4	<10	438	<1.5	<1.1	3.1 J	<2	<3.6
MW-20	10/18/2017	µg/L	<1.2	<1.7	<1.6	<1.6	<1.2	<2.7	4.8 J	<1.4	<1.4	<10	312	<1.5	<1.1	2.2 J	<2	<3.6
MW-20	5/9/2018	µg/L	<1.2	<1.7	<1.6	<1.6	<1.2	<2.7	<1.5	3.3 J	<1.4	<10	388	<1.5	<1.1	3.9 J	<2	<3.6
MW-20	11/1/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	2.2	<0.28	<2	462	<0.3	<0.22	3.7	<0.41	<0.72
MW-20	4/22/2019	µg/L	<1.2	<1.7	<1.6	<1.6	<1.2	<2.7	<1.5	<1.4	<1.4	<10	466	<1.5	<1.1	3.6	<2	<3.6
MW-20	10/16/2019	µg/L	<0.62	<0.85	<0.81	<0.78	<0.61	<1.3	<0.75	<0.69	<0.69	<5	194	<0.75	<0.55	1.9 J	<1	<1.8
MW-20	10/20/2020	ug/l	<0.62	<0.85	<0.81	<0.78	<0.61	<1.3	<0.75	<0.69	<0.69	<5	271	<0.75	<0.55	3.6	<1	<1.8
MW-20	4/12/2021	ug/l	<1.2	<1.7	<1.6	<1.6	<1.2	<2.7	<1.5	<1.4	<1.4	<10	222	<1.5	<1.1	3.1 J	<2	<3.6

Appendix C
Historical VOC Data
Delavan Spray Technologies Site
Bamberg, South Carolina

Well No.	Sample Date	Units	1,1,1- Trichloroethane	1,1- Dichloroethane	1,1- Dichloroethylene	1,2- Dichloroethane	Bromodichloro- methane	Carbon disulfide	Chloroform	cis-1,2- Dichloroethylene	Dibromochloro- methane	Methylene Chloride	Tetrachloroethylene	Toluene	trans-1,2- Dichloroethylene	Trichloroethylene	Vinyl Chloride	Xylene (total)
MW-21	3/11/2014	µg/L	<67	<51	<51	<48	<52	<40	<62	466	<72	765 J	16300	<40	<69	209	<65	<130
MW-21	10/28/2014	µg/L	<67	<51	<51	<48	<52	<40	<62	733	<72	<400	14500	<40	<69	354	<65	<130
MW-21	4/22/2015	µg/L	<0.26	<0.2	1	<0.2	<0.22	<0.29	<0.3	351	<0.2	<2	14500	<0.4	<0.21	225	<0.25	0.89 J
MW-21	10/28/2015	µg/L	<13	<10	<14	<10	<11	<15	<15	339	<10	<100	14600	<20	<10	180	<13	<26
MW-21	4/12/2016	µg/L	<10	<13	<11	<14	<12	<12	<15	383	<13	<100	13200	<10	<17	216	<16	<28
MW-21	10/25/2016	µg/L	<0.5	<0.64	<0.54	<0.71	<0.6	<0.58	<0.75	4.2	<0.65	<5	181	<0.5	<0.83	2.3 J	<0.79	<1.4
MW-21	4/12/2017	µg/L	<0.25	<0.34	1.2	<0.31	<0.24	<0.53	<0.3	595	<0.28	<2	18000	<0.3	0.38 J	260	<0.41	1.7 J
MW-21	10/18/2017	µg/L	<62	<85	<81	<78	<61	<130	292	573	<69	<500	23900	<75	<55	252	<100	<180
MW-21	5/10/2018	µg/L	<62	<85	<81	<78	<61	<130	98.8 J	777	<69	<500	25600	<75	<55	311	<100	<180
MW-21	10/31/2018	µg/L	<62	<85	<81	<78	<61	<130	<75	889	<69	<500	23300	<75	<55	384	<100	<180
MW-21	4/23/2019	µg/L	<62	<85	<81	<78	<61	<130	<75	817	<69	<500	20800	<75	<55	314	<100	<180
MW-21	10/16/2019	µg/L	<62	<85	<81	<78	<61	<130	<75	785	<69	<500	24,000	<75	<55	403	<100	<180
MW-21	4/15/2020	µg/L	<25	<34	<32	<31	<24	<53	<30	343	<28	<200	17600	<30	<22	181	<41	<72
MW-21	10/20/2020	ug/l	<50	<68	<64	<62	<48	<110	<60	689	<55	<400	13900	<60	<44	314	<82	<140
MW-21	4/14/2021	ug/l	<50	<68	<64	<62	<48	<110	<60	359	<55	<400	13600	<60	<44	199 J	<82	<140
MW-21D	3/11/2014	µg/L	<0.67	<0.51	1.5 J	<0.48	10.4	1.8 J	131	0.84 J	1.8 J	13.3	283	0.41 J	<0.69	<0.6	<0.65	<1.3
MW-21D	10/28/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	2	<0.2	<0.34	<0.3	<0.33	<0.66
MW-21D	4/20/2015	µg/L	<0.26	<0.2	0.89 J	<0.2	<0.22	<0.29	<0.3	0.3 J	<0.2	<2	29.4	<0.4	<0.21	<0.22	<0.25	<0.51
MW-21D	10/27/2015	µg/L	<0.26	<0.2	0.36 J	<0.2	<0.22	<0.29	<0.3	0.23 J	<0.2	2.2 J	90.8	<0.4	<0.21	<0.22	<0.25	<0.51
MW-21D	4/12/2016	µg/L	<0.2	<0.26	0.49	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	8.6	<0.2	<0.33	<0.27	<0.31	<0.56
MW-21D	10/25/2016	µg/L	<0.5	<0.64	1.2 J	<0.71	<0.6	<0.58	<0.75	<0.78	<0.65	<5	169	<0.5	<0.83	<0.68	<0.79	<1.4
MW-21D	4/12/2017	µg/L	<0.25	<0.34	2	<0.31	<0.24	<0.53	<0.3	0.74 J	<0.28	<2	74.6	<0.3	<0.22	0.39 J	<0.41	<0.72
MW-21D	10/18/2017	µg/L	<0.25	<0.34	1.7	<0.31	<0.24	<0.53	<0.3	0.81 J	<0.28	<2	72.9	<0.3	<0.22	0.38 J	<0.41	<0.72
MW-21D	5/9/2018	µg/L	<0.25	<0.34	1.6	<0.31	<0.24	<0.53	<0.3	0.52 J	<0.28	<2	109	<0.3	<0.22	<0.35	<0.41	<0.72
MW-21D	11/1/2018	µg/L	<0.5	<0.68	1.1	<0.62	<0.48	<1.1	<0.6	0.89	<0.55	<4	357	<0.6	<0.44	<0.69	<0.82	<1.4
MW-21D	4/23/2019	µg/L	<0.25	<0.34	1.2	<0.31	<0.24	<0.53	<0.3	0.44	<0.28	<2	38.7	<0.3	<0.22	<0.35	<0.41	<0.72
MW-21D	10/16/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	83.8	<0.3	<0.22	<0.35	<0.41	<0.72
MW-21D	4/15/2020	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	9.6	<0.3	<0.22	<0.35	<0.41	<0.72
MW-21D	10/20/2020	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	9.8	<0.3	<0.22	<0.35	<0.41	<0.72
MW-21D	4/14/2021	ug/l	<0.25	<0.34	0.9 J	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	27.5	<0.3	<0.22	<0.35	<0.41	<0.72
MW-22D	3/11/2014	µg/L	<0.34	<0.26	2.5	<0.24	7.2	<0.2	180	0.35 J	0.68 J	<2	99.8	<0.2	<0.34	0.33 J	<0.33	<0.66
MW-22D	10/28/2014	µg/L	<0.34	<0.26	3.7	<0.24	<0.26	<0.2	<0.31	0.41 J	<0.36	<2	149	<0.2	<0.34	0.86 J	<0.33	<0.66
MW-22D	4/22/2015	µg/L	0.27 J	<0.2	3.8	<0.2	<0.22	<0.29	<0.3	0.56 J	<0.2	<2	107	<0.4	<0.21	0.68 J	<0.25	<0.51
MW-22D	10/27/2015	µg/L	0.38 J	<0.2	2.9	<0.2	<0.22	<0.29	<0.3	0.4 J	<0.2	<2	156	<0.4	<0.21	0.44 J	<0.25	<0.51
MW-22D	4/12/2016	µg/L	<0.2	<0.26	1.5	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	65.7	<0.2	<0.33	0.35	<0.31	<0.56
MW-22D	10/25/2016	µg/L	<0.2	<0.26	2.2	<0.28	<0.24	<0.23	<0.3	0.38 J	<0.26	<2	122	<0.2	<0.33	0.62 J	<0.31	<0.56
MW-22D	4/10/2017	µg/L	<0.5	<0.68	2	<0.62	<0.48	<1.1	<0.6	0.61 J	<0.55	<4	96.6	<0.6	<0.44	0.79 J	<0.82	<1.4
MW-22D	10/18/2017	µg/L	<0.25	<0.34	2.4	<0.31	<0.24	<0.53	<0.3	0.64 J	<0.28	<2	130	<0.3	<0.22	0.63 J	<0.41	<0.72
MW-22D	5/8/2018	µg/L	<0.25	<0.34	2.9	<0.31	<0.24	<0.53	<0.3	0.93 J	<0.28	<2	106	<0.3	<0.22	0.79 J	<0.41	<0.72
MW-22D	10/31/2018	µg/L	<0.25	<0.34	2.8	<0.31	<0.24	<0.53	<0.3	0.93	<0.28	<2	159	<0.3	<0.22	0.74	<0.41	<0.72
MW-22D	4/23/2019	µg/L	<0.5	<0.68	1.6	<0.62	<0.48	<1.1	<0.6	<0.55	<0.55	<4	133	<0.6	<0.44	<0.69	<0.82	<1.4
MW-22D	10/15/2019	µg/L	<0.25	<0.34	1.2	<0.31	<0.24	<0.53	<0.3	0.34 J	<0.28	<2	82.4	<0.3	<0.22	0.48 J	<0.41	<0.72
MW-22D	4/14/2020	µg/L	<0.25	<0.34	1.4	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	81.1	<0.3	<0.22	<0.35	<0.41	<0.72
MW-22D	10/20/2020	ug/l	<0.25	<0.34	1.1	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	87.5	<0.3	<0.22	<0.35	<0.41	<0.72
MW-22D	4/13/2021	ug/l	<0.25	<0.34	1	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	80.7	<0.3	<0.22	<0.35	<0.41	<0.72

Appendix C
Historical VOC Data
Delavan Spray Technologies Site
Bamberg, South Carolina

Well No.	Sample Date	Units	1,1,1- Trichloroethane	1,1- Dichloroethane	1,1- Dichloroethylene	1,2- Dichloroethane	Bromodichloro- methane	Carbon disulfide	Chloroform	cis-1,2- Dichloroethylene	Dibromochloro- methane	Methylene Chloride	Tetrachloroethylene	Toluene	trans-1,2- Dichloroethylene	Trichloroethylene	Vinyl Chloride	Xylene (total)
MW-23D	3/12/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	<0.26	<0.2	<0.34	<0.3	<0.33	<0.66
MW-23D	10/28/2014	µg/L	<0.34	<0.26	<0.25	<0.24	<0.26	<0.2	<0.31	<0.33	<0.36	<2	<0.26	<0.2	<0.34	<0.3	<0.33	<0.66
MW-23D	4/21/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	<0.33	<0.4	<0.21	<0.22	<0.25	<0.51
MW-23D	10/27/2015	µg/L	<0.26	<0.2	<0.27	<0.2	<0.22	<0.29	<0.3	<0.22	<0.2	<2	<0.33	<0.4	<0.21	<0.22	<0.25	<0.51
MW-23D	4/13/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	<0.3	<0.2	<0.33	<0.27	<0.31	<0.56
MW-23D	10/26/2016	µg/L	<0.2	<0.26	<0.22	<0.28	<0.24	<0.23	<0.3	<0.31	<0.26	<2	<0.3	<0.2	<0.33	<0.27	<0.31	<0.56
MW-23D	4/10/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-23D	10/17/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-23D	5/8/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-23D	11/1/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-23D	10/15/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-23D	10/20/2020	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-24	12/4/2015	µg/L	<1.3	<1	<1.4	<1	<1.1	<1.5	<1.5	2.9	<1	<10	344	<2	<1	<1.1	<1.3	<2.6
MW-24	4/12/2016	µg/L	<1	<1.3	<1.1	<1.4	<1.2	<1.2	<1.5	59.2	<1.3	<10	1160	<1	<1.7	6.1	<1.6	<2.8
MW-24	10/24/2016	µg/L	<4	<5.1	<4.3	<5.7	<4.8	<4.6	<6	22.9	<5.2	<40	1340	<4	<6.6	<5.4	<6.3	<11
MW-24	4/12/2017	µg/L	<5	<6.8	<6.4	<6.2	<4.8	<11	<6	52.7	<5.5	<40	2070	<6	<4.4	8.4 J	<8.2	<14
MW-24	10/18/2017	µg/L	<5	<6.8	<6.4	<6.2	<4.8	<11	<6	49.9	<5.5	<40	1600	7.2 J	<4.4	<6.9	<8.2	<14
MW-24	5/9/2018	µg/L	<5	<6.8	<6.4	<6.2	<4.8	<11	<6	43.5	<5.5	<40	2050	<6	<4.4	<6.9	<8.2	<14
MW-24	11/1/2018	µg/L	<6.2	<8.5	<8.1	<7.8	<6.1	<13	<7.5	55.3	<6.9	<50	2320	<7.5	<5.5	<8.6	<10	<18
MW-24	4/24/2019	µg/L	<5	<6.8	<6.4	<6.2	<4.8	<11	<6	27.4	<5.5	<40	2290	<6	<4.4	<6.9	<8.2	<14
MW-24	10/16/2019	µg/L	<6.2	<8.5	<8.1	<7.8	<6.1	<13	<7.5	34.8	<6.9	<50	2,270	<7.5	<5.5	<8.6	<10	<18
MW-24	4/15/2020	µg/L	<6.2	<8.5	<8.1	<7.8	<6.1	<13	<7.5	31	<6.9	<50	2170	<7.5	<5.5	<8.6	<10	<18
MW-24	10/20/2020	ug/l	<6.2	<8.5	<8.1	<7.8	<6.1	<13	<7.5	14.8 J	<6.9	<50	1850	<7.5	<5.5	<8.6	<10	<18
MW-24	4/13/2021	ug/l	<6.2	<8.5	<8.1	<7.8	<6.1	<13	<7.5	16.8 J	<6.9	<50	1910	<7.5	<5.5	<8.6	<10	<18
MW-25D	12/4/2015	µg/L	<0.26	<0.2	3.4	<0.2	<0.22	<0.29	<0.3	1.3	<0.2	<2	129	<0.4	<0.21	0.95	<0.25	<0.51
MW-25D	4/12/2016	µg/L	<0.2	<0.26	3.4	<0.28	<0.24	<0.23	<0.3	1.1	<0.26	<2	74.8	<0.2	<0.33	0.96	<0.31	<0.56
MW-25D	10/25/2016	µg/L	<0.4	<0.51	2.3	<0.57	<0.48	<0.46	<0.6	0.89 J	<0.52	6.1 J	125	<0.4	<0.66	0.84 J	<0.63	<1.1
MW-25D	4/10/2017	µg/L	<0.5	<0.68	3.1	<0.62	<0.48	<1.1	<0.6	1 J	<0.55	<4	105	<0.6	<0.44	0.88 J	<0.82	<1.4
MW-25D	10/18/2017	µg/L	<0.25	<0.34	3.1	<0.31	<0.24	<0.53	<0.3	1.1	<0.28	<2	116	<0.3	<0.22	0.8 J	<0.41	<0.72
MW-25D	5/8/2018	µg/L	<0.25	<0.34	3.8	<0.31	<0.24	<0.53	<0.3	1.4	<0.28	<2	123	<0.3	<0.22	0.98 J	<0.41	<0.72
MW-25D	10/31/2018	µg/L	<0.5	<0.68	3.3	<0.62	<0.48	<1.1	<0.6	1.7	<0.55	<4	158	<0.6	<0.44	0.91	<0.82	<1.4
MW-25D	4/23/2019	µg/L	<0.5	<0.68	3.1	<0.62	<0.48	<1.1	<0.6	1	<0.55	<4	195	<0.6	<0.44	1.2	<0.82	<1.4
MW-25D	10/15/2019	µg/L	<0.62	<0.85	2.5	<0.78	<0.61	<1.3	<0.75	0.8 J	<0.69	<5	130	<0.75	<0.55	1.2 J	<1	<1.8
MW-25D	4/14/2020	µg/L	<0.5	<0.68	2.4	<0.62	<0.48	<1.1	<0.6	0.97 J	<0.55	<4	102	<0.6	<0.44	0.95 J	<0.82	<1.4
MW-25D	10/19/2020	ug/l	<0.5	<0.68	2.3	<0.62	<0.48	<1.1	<0.6	1.2 J	<0.55	<4	124	<0.6	<0.44	1 J	<0.82	<1.4
MW-25D	4/13/2021	ug/l	<0.5	<0.68	2.1	<0.62	<0.48	<1.1	<0.6	0.8 J	<0.55	<4	110	<0.6	<0.44	0.85 J	<0.82	<1.4
MW-26D	12/4/2015	µg/L	<0.26	<0.2	1.9	<0.2	<0.22	<0.29	<0.3	1.1	<0.2	<2	98.1	<0.4	<0.21	1.1	<0.25	<0.51
MW-26D	4/12/2016	µg/L	<0.2	<0.26	1.8	<0.28	<0.24	<0.23	<0.3	0.93	<0.26	<2	62.6	<0.2	<0.33	1.1	<0.31	<0.56
MW-26D	10/25/2016	µg/L	<0.2	<0.26	1.6	<0.28	<0.24	<0.23	<0.3	1	<0.26	<2	75	<0.2	<0.33	0.97 J	<0.31	<0.56
MW-26D	4/10/2017	µg/L	<0.25	<0.34	1.9	<0.31	<0.24	<0.53	<0.3	0.97 J	<0.28	<2	75.2	<0.3	<0.22	1.2	<0.41	<0.72
MW-26D	10/18/2017	µg/L	<0.25	<0.34	1.9	<0.31	<0.24	<0.53	<0.3	1.1	<0.28	<2	76	<0.3	<0.22	1.1	<0.41	<0.72
MW-26D	5/8/2018	µg/L	<0.25	<0.34	2	<0.31	<0.24	<0.53	<0.3	1.2	<0.28	<2	88.6	<0.3	<0.22	1.2	<0.41	<0.72
MW-26D	10/31/2018	µg/L	<0.25	<0.34	2.4	<0.31	<0.24	<0.53	<0.3	1.6	<0.28	<2	89.5	<0.3	<0.22	1.2	<0.41	<0.72
MW-26D	4/23/2019	µg/L	<0.25	<0.34	1.3	<0.31	<0.24	<0.53	<0.3	0.79	<0.28	<2	89.9	<0.3	<0.22	1.2	<0.41	<0.72
MW-26D	10/15/2019	µg/L	<0.25	<0.34	1.7	<0.31	<0.24	<0.53	<0.3	1.1	<0.28	<2	84.1	<0.3	<0.22	1.2	<0.41	<0.72
MW-26D	4/14/2020	µg/L	<0.25	<0.34	1.3	<0.31	<0.24	<0.53	<0.3	0.83 J	<0.28	<2	55.7	<0.3	<0.22	1.2	<0.41	<0.72
MW-26D	10/20/2020	ug/l	<0.25	<0.34	1.3	<0.31	<0.24	<0.53	<0.3	1	<0.28	<2	69.3	<0.3	<0.22	1.1	<0.41	<0.72
MW-26D	4/13/2021	ug/l	<0.25	<0.34	0.95 J	<0.31	<0.24	<0.53	<0.3	0.88 J	<0.28	<2	53.3	<0.3	<0.22	0.83 J	<0.41	<0.72

Appendix C
Historical VOC Data
Delavan Spray Technologies Site
Bamberg, South Carolina

Well No.	Sample Date	Units	1,1,1- Trichloroethane	1,1- Dichloroethane	1,1- Dichloroethylene	1,2- Dichloroethane	Bromodichloro- methane	Carbon disulfide	Chloroform	cis-1,2- Dichloroethylene	Dibromochloro- methane	Methylene Chloride	Tetrachloroethylene	Toluene	trans-1,2- Dichloroethylene	Trichloroethylene	Vinyl Chloride	Xylene (total)
MW-27	4/12/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	1	<0.3	<0.22	<0.35	<0.41	<0.72
MW-27	10/18/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	0.39 J	<0.3	<0.22	<0.35	<0.41	<0.72
MW-27	5/8/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-27	10/30/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-27	4/23/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-27	10/15/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-27	4/14/2020	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-27	10/21/2020	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-28	4/12/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	0.24 J	<0.3	<0.22	<0.35	<0.41	<0.72
MW-28	10/18/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-28	5/8/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-28	10/30/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-28	4/23/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-28	10/15/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-28	4/14/2020	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-28	10/19/2020	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-29	4/12/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	5.4	<0.3	<0.22	<0.35	<0.41	<0.72
MW-29	10/18/2017	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	0.56 J	<0.3	<0.22	<0.35	<0.41	<0.72
MW-29	5/8/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-29	10/30/2018	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-29	4/23/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-29	10/15/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-29	4/14/2020	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-29	10/19/2020	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-30D	4/13/2017	µg/L	<0.25	<0.34	2.3	<0.31	<0.24	<0.53	0.41 J	0.64 J	<0.28	<2	75.2	<0.3	<0.22	0.87 J	<0.41	<0.72
MW-30D	10/18/2017	µg/L	<0.25	<0.34	2.1	<0.31	<0.24	<0.53	<0.3	0.43 J	<0.28	<2	88.1	<0.3	<0.22	0.49 J	<0.41	<0.72
MW-30D	5/8/2018	µg/L	<0.25	<0.34	3.1	<0.31	<0.24	0.65 J	<0.3	0.97 J	<0.28	<2	86.7	<0.3	<0.22	1.1	<0.41	<0.72
MW-30D	10/29/2018	µg/L	<0.25	<0.34	3.3	<0.31	<0.24	<0.53	<0.3	1.1	<0.28	<2	140	<0.3	<0.22	1	<0.41	<0.72
MW-30D	4/22/2019	µg/L	<0.5	<0.68	2.4	<0.62	<0.48	<1.1	<0.6	1	<0.55	<4	149	<0.6	<0.44	<0.69	<0.82	<1.4
MW-30D	10/14/2019	µg/L	<0.5	<0.68	2.3	<0.62	<0.48	<1.1	<0.6	<0.55	<0.55	<4	107	<0.6	<0.44	0.77 J	<0.82	<1.4
MW-30D	4/14/2020	µg/L	<0.25	<0.34	1.2	<0.31	<0.24	<0.53	<0.3	1.1	<0.28	<2	67.9	<0.3	<0.22	1.3	<0.41	<0.72
MW-30D	10/19/2020	ug/l	<0.25	<0.34	2	<0.31	<0.24	<0.53	<0.3	0.99 J	<0.28	<2	80.2	<0.3	<0.22	0.8 J	<0.41	<0.72
MW-30D	4/12/2021	ug/l	<0.25	<0.34	2	<0.31	<0.24	<0.53	<0.3	1.1	<0.28	<2	87.7	<0.3	<0.22	1.2	<0.41	<0.72
MW-31D	4/13/2017	µg/L	<0.25	<0.34	3.1	<0.31	0.82 J	<0.53	1.8	<0.28	<0.28	<2	89.2	<0.3	<0.22	0.41 J	<0.41	2.6 J
MW-31D	10/18/2017	µg/L	<0.25	<0.34	4.7	<0.31	<0.24	<0.53	<0.3	2	<0.28	<2	161	<0.3	<0.22	0.61 J	<0.41	<0.72
MW-31D	5/8/2018	µg/L	<0.25	<0.34	6	<0.31	<0.24	<0.53	<0.3	2.5	<0.28	<2	181	<0.3	<0.22	1	<0.41	<0.72
MW-31D	10/29/2018	µg/L	<0.5	<0.68	4.8	<0.62	<0.48	<1.1	<0.6	2.6	<0.55	<4	230	<0.6	<0.44	0.87	<0.82	<1.4
MW-31D	4/22/2019	µg/L	<0.62	<0.85	4	<0.78	<0.61	<1.3	<0.75	<0.69	<0.69	<5	232	<0.75	<0.55	<0.86	<1	<1.8
MW-31D	10/14/2019	µg/L	<0.62	<0.85	4.4	<0.78	<0.61	<1.3	<0.75	<0.69	<0.69	<5	192	<0.75	<0.55	<0.86	<1	<1.8
MW-31D	4/14/2020	µg/L	<0.62	<0.85	3.2	<0.78	<0.61	<1.3	<0.75	<0.69	<0.69	<5	130	<0.75	<0.55	<0.86	<1	<1.8
MW-31D	10/19/2020	ug/l	<0.62	<0.85	3	<0.78	<0.61	<1.3	<0.75	<0.69	<0.69	<5	144	<0.75	<0.55	<0.86	<1	<1.8
MW-31D	4/12/2021	ug/l	<0.62	<0.85	2.6	<0.78	<0.61	<1.3	<0.75	0.47 J	<0.69	<5	92.2	<0.75	<0.55	0.43 J	<1	<1.8
MW-32D	4/13/2017	µg/L	<0.25	<0.34	0.63 J	<0.31	0.27 J	<0.53	0.79 J	<0.28	<0.28	<2	25	<0.3	<0.22	0.36 J	<0.41	1.2 J
MW-32DR	10/18/2017	µg/L	<0.25	<0.34	0.69 J	<0.31	<0.24	<0.53	<0.3	0.33 J	<0.28	<2	26.4	<0.3	<0.22	0.36 J	<0.41	<0.72
MW-32DR	5/8/2018	µg/L	<0.25	<0.34	0.97 J	<0.31	<0.24	<0.53	0.56 J	0.55 J	<0.28	<2	30.4	<0.3	<0.22	0.55 J	<0.41	<0.72
MW-32DR	10/31/2018	µg/L	<0.25	<0.34	0.92	<0.31	<0.24	<0.53	<0.3	0.51	<0.28	<2	39	<0.3	<0.22	0.39	<0.41	<0.72
MW-32DR	4/23/2019	µg/L	<0.25	<0.34	0.62	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	33.9	<0.3	<0.22	0.6	<0.41	<0.72
MW-32DR	10/15/2019	µg/L	<0.25	<0.34	0.66 J	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	30.5	<0.3	<0.22	0.47 J	<0.41	<0.72
MW-32DR	4/14/2020	µg/L	<0.25	<0.34	0.62 J	<0.31	<0.24	<0.53	<0.3	0.4 J	<0.28	<2	26.2	<0.3	<0.22	0.52 J	<0.41	<0.72
MW-32DR	10/20/2020	ug/l	<0.25	<0.34	0.41 J	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	26.3	<0.3	<0.22	0.47 J	<0.41	<0.72
MW-32DR	4/13/2021	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	16.6	<0.3	<0.22	<0.35	<0.41	<0.72

Appendix C
Historical VOC Data
Delavan Spray Technologies Site
Bamberg, South Carolina

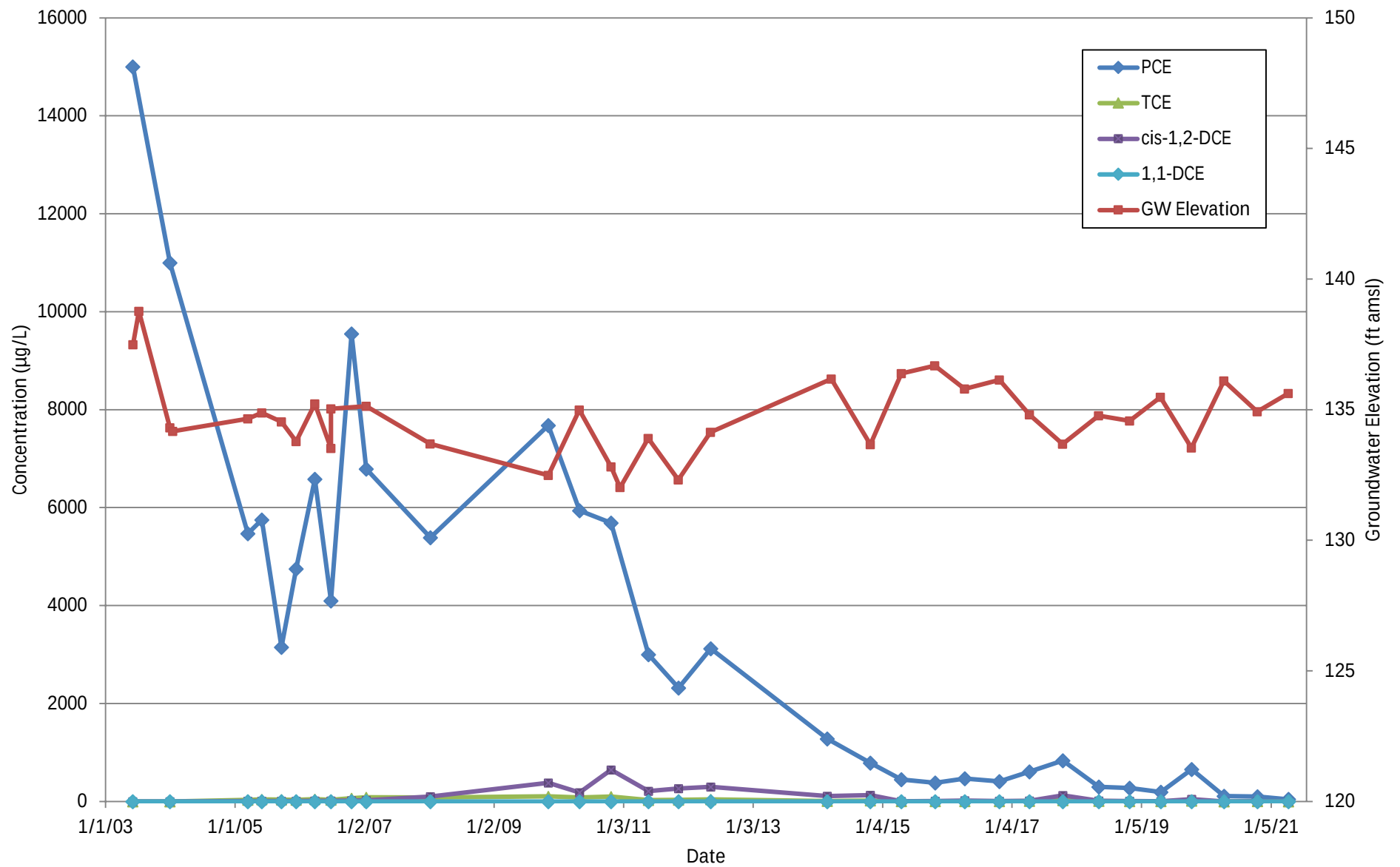
Well No.	Sample Date	Units	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethylene	1,2-Dichloroethane	Bromodichloro-methane	Carbon disulfide	Chloroform	cis-1,2-Dichloroethylene	Dibromochloro-methane	Methylene Chloride	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl Chloride	Xylene (total)
MW-33D	11/25/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	1	<0.22	<0.35	<0.41	<0.72
MW-33D	4/14/2020	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	22.4	0.51 J	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-33D	10/19/2020	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	0.35 J	<0.28	<0.28	<2	<0.22	0.33 J	<0.22	<0.35	<0.41	<0.72
MW-33D	4/12/2021	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-34D	11/25/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	0.88 J	<0.28	<0.28	<2	<0.22	1.1	<0.22	<0.35	<0.41	<0.72
MW-34D	4/15/2020	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-34D	10/19/2020	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-34D	4/13/2021	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-35D	11/25/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	1.2	<0.22	<0.35	<0.41	<0.72
MW-35D	4/15/2020	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-35D	10/19/2020	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-35D	4/13/2021	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-36D	11/25/2019	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	0.61 J	<0.28	<0.28	<2	<0.22	0.78 J/B/T	<0.22	<0.35	<0.41	<0.72
MW-36D	4/15/2020	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
MW-36D	10/21/2020	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	0.52 J	<0.3	<0.22	<0.35	<0.41	<0.72
MW-36D	4/13/2021	ug/l	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	0.24 J	<0.3	<0.22	<0.35	<0.41	<0.72
MW-37	7/16/2020	ug/l	40.3 J	<34	70.8 J	<31	<24	<53	<30	<28	<28	<200	13700	<30	<22	<35	<41	<72
MW-37	10/20/2020	ug/l	104 J	<85	95.2 J	<78	<61	<130	<75	<69	<69	<500	24700	<75	<55	<86	<100	<180
MW-37	4/12/2021	ug/l	<62	<85	<81	<78	<61	<130	<75	<69	<69	<500	17400	<75	<55	<86	<100	<180
MWT-4	8/24/2012	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	68.8	NA	<1.00	136000	8.79	2.03	477	<1.00	37
MWT-5	8/24/2012	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	1.03	<1.00	<1.00	<1.00	<1.00	<3.00
SW-01-LC	1/5/2018	µg/L	NA	NA	NA	NA	NA	NA	NA	<0.08	NA	NA	2.4	NA	NA	<0.11	<0.11	NA
SW-01-LC	4/15/2020	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	0.53 J	<0.3	<0.22	<0.35	<0.41	<0.72
SW-01-LC	10/21/2020	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	0.44 J	<0.28	<2	2.9	<0.3	<0.22	<0.35	<0.41	<0.72
SW-02-LC	1/5/2018	µg/L	NA	NA	NA	NA	NA	NA	NA	<0.08	NA	NA	<0.14	NA	NA	<0.11	<0.11	NA
SW-02-LC	4/15/2020	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
SW-02-LC	10/21/2020	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
SW-03-HMB	1/5/2018	µg/L	NA	NA	NA	NA	NA	NA	NA	<0.08	NA	NA	<0.14	NA	NA	<0.11	<0.11	NA
SW-03-HMB	4/15/2020	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
SW-03-HMB	10/21/2020	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
SW-04-TLC	4/15/2020	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
SW-04-TLC	10/21/2020	µg/L	<0.25	<0.34	<0.32	<0.31	<0.24	<0.53	<0.3	<0.28	<0.28	<2	<0.22	<0.3	<0.22	<0.35	<0.41	<0.72
SW-1	6/5/2003	µg/L	<1.0	<1.0	<1.0	NA	NA	NA	NA	1	NA	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<3.0
SW-1	1/9/2008	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
SW-1	11/4/2009	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA
SW-1	4/29/2010	µg/L	<1.00	<1.00	<1.00	NA	NA	NA	NA	<1.00	NA	<1.00	<1.00	NA	<1.00	<1.00	<1.00	NA

Notes:
µg/L - micrograms per liter NA - Not available/not analyzed NS - No standard

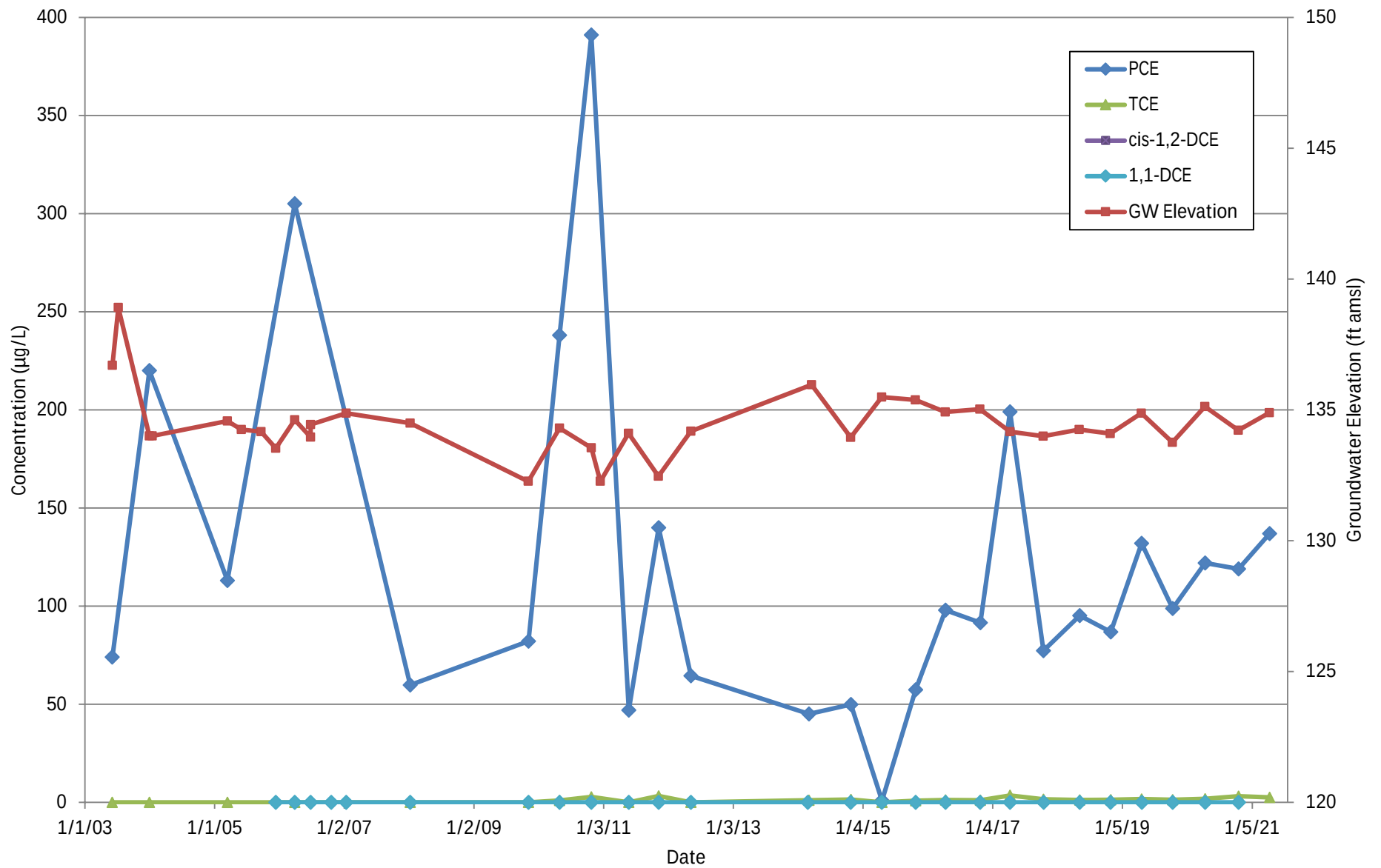
Data Qualifiers:
E - Indicates value exceeds calibration range
J - Estimated concentration above the method detection limit and below the reporting limit.
/J/A - The analyte was positively identified. The quantitation is estimation. Percent difference between the primary and duplicate sample exceeded the establishedcriteria.
/M/M - A matrix effect was present. Matrix spike recovery exceeded established criteria.
/M/m - A matrix effect was present. Matrix spike recovery below established criteria.
//h - Holding time exceeded by less than two times.

APPENDIX D
TREND PLOTS

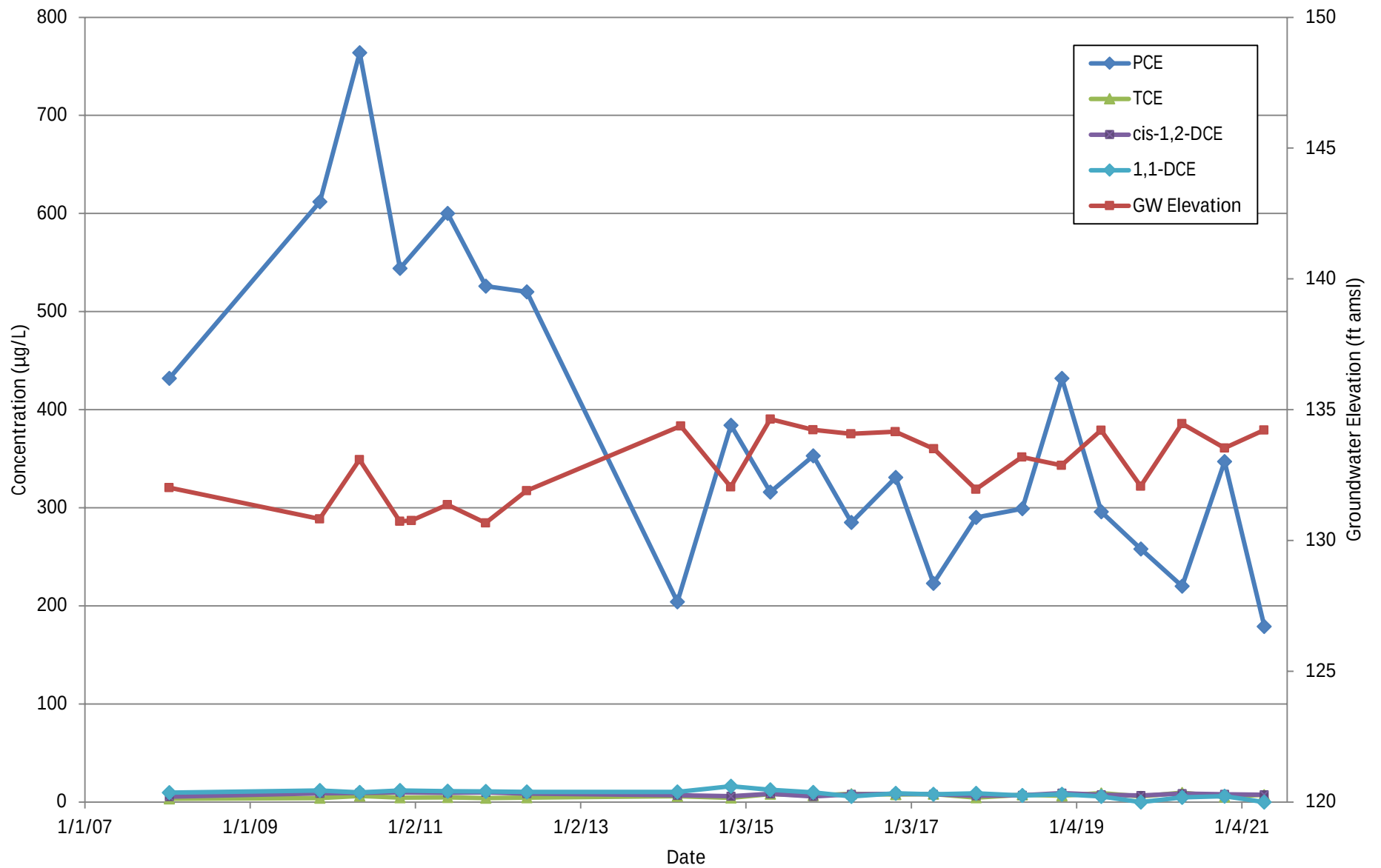
MW-1 Concentrations and Groundwater Elevation with Time



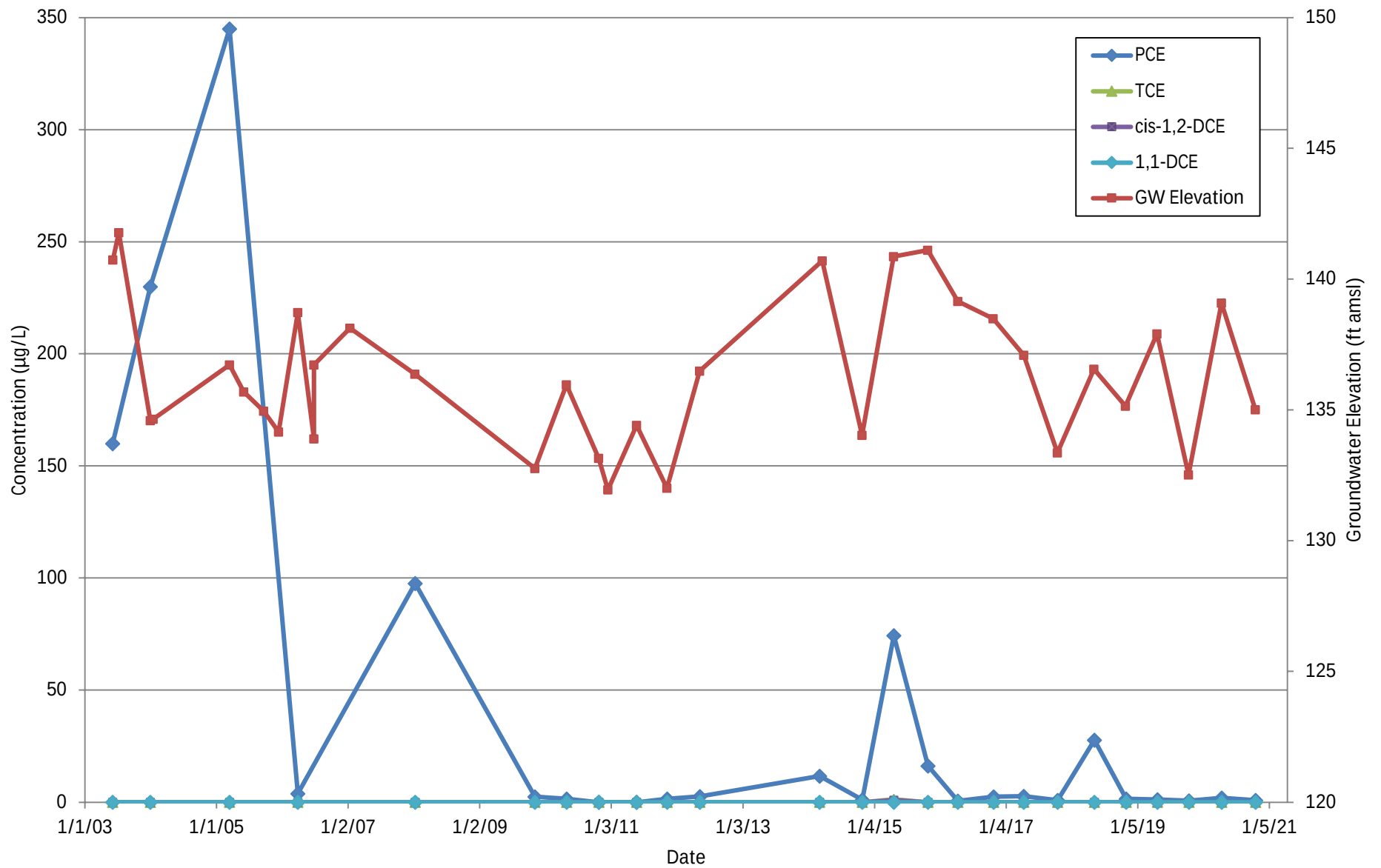
MW-3 Concentrations and Groundwater Elevation with Time



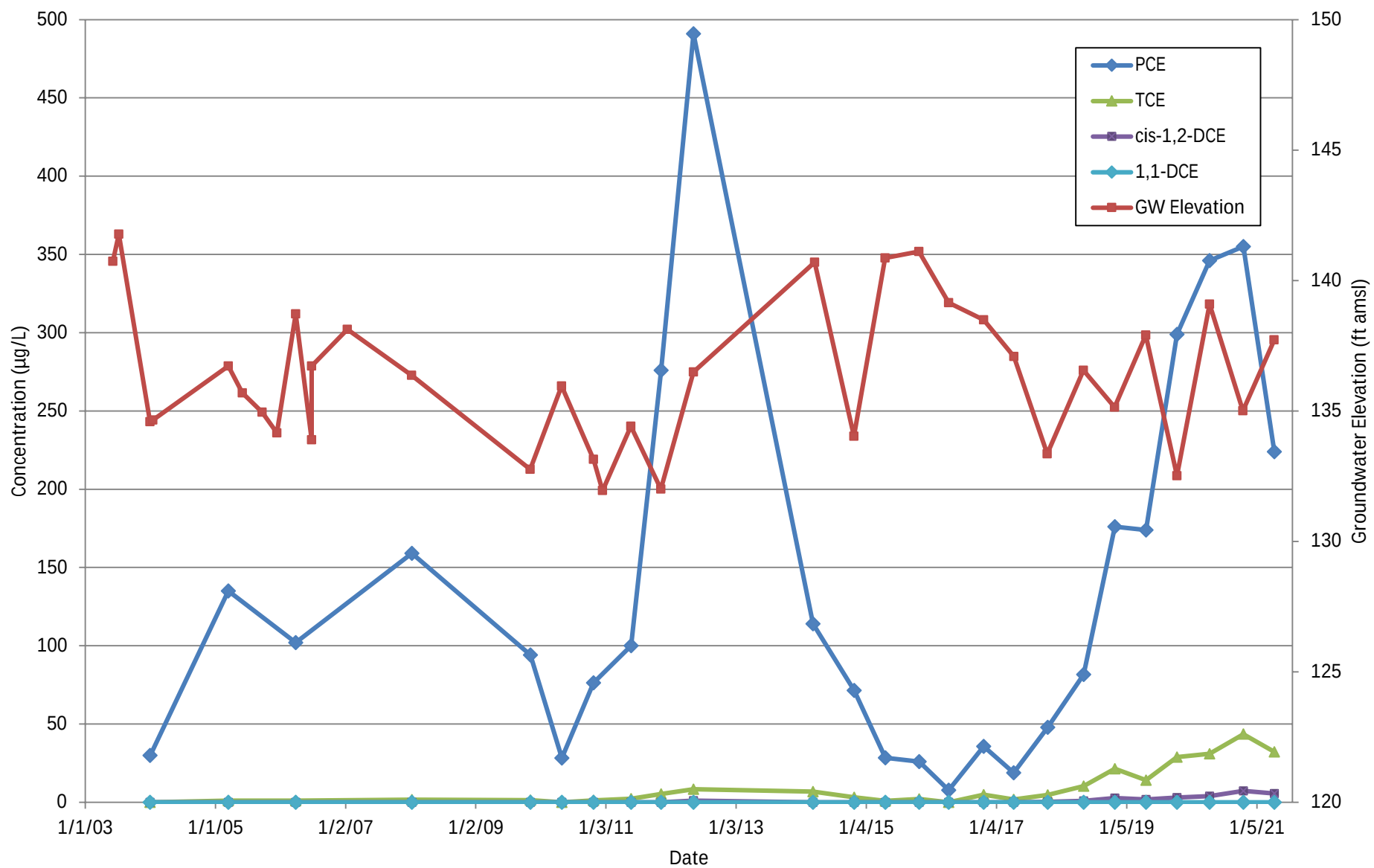
MW-3D Concentrations and Groundwater Elevation with Time



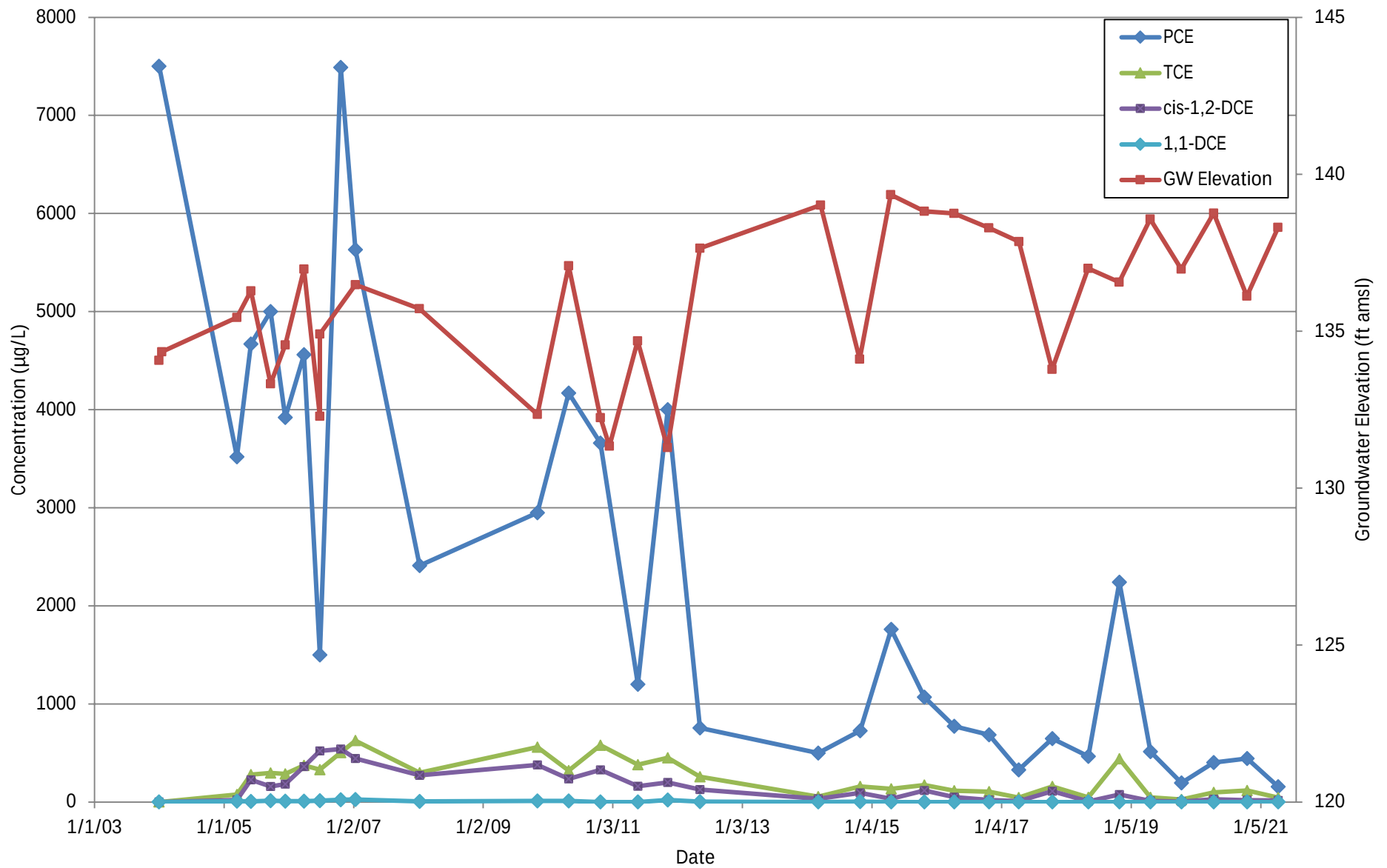
MW-5 Concentrations and Groundwater Elevation with Time



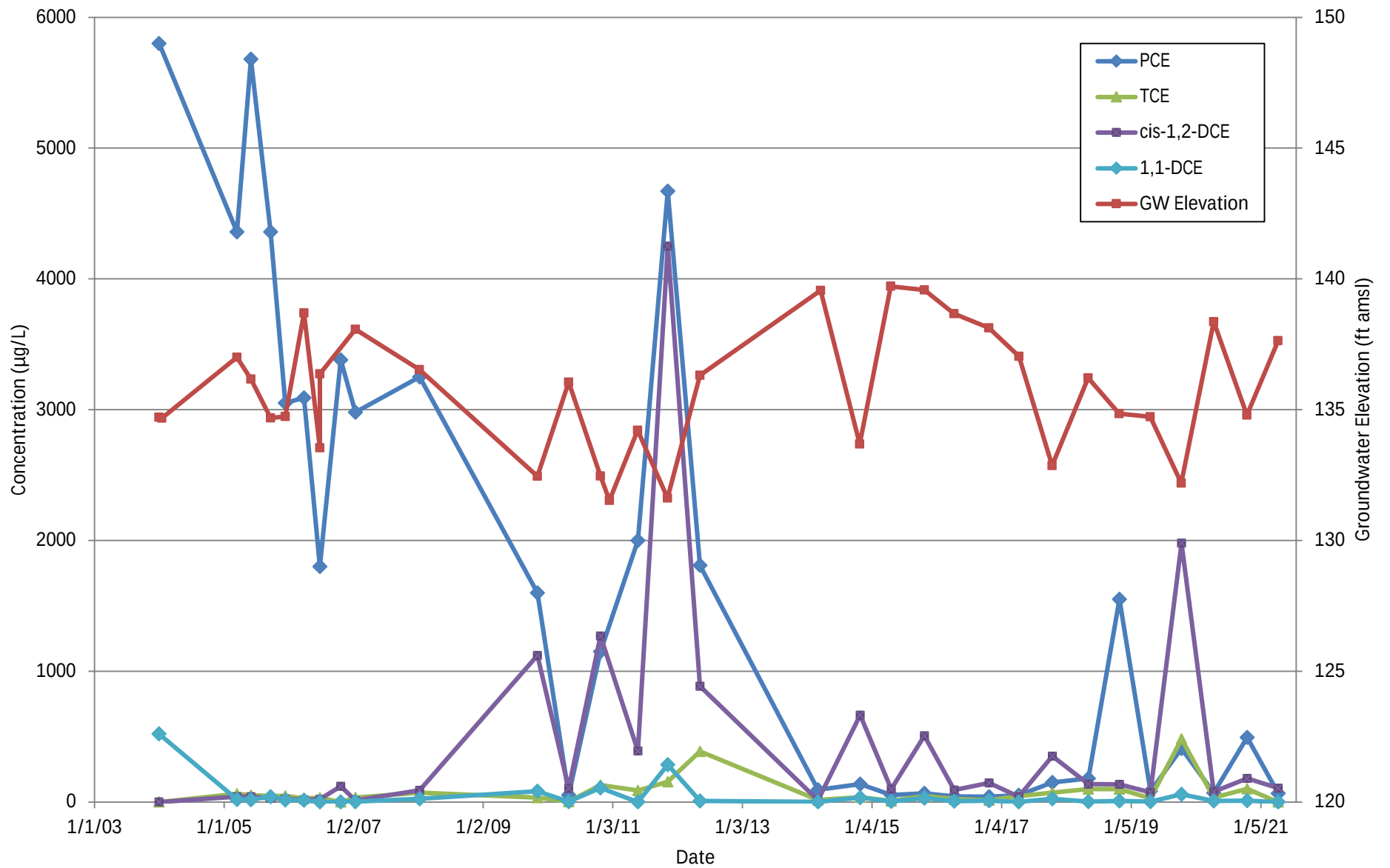
MW-8 Concentrations and Groundwater Elevation with Time



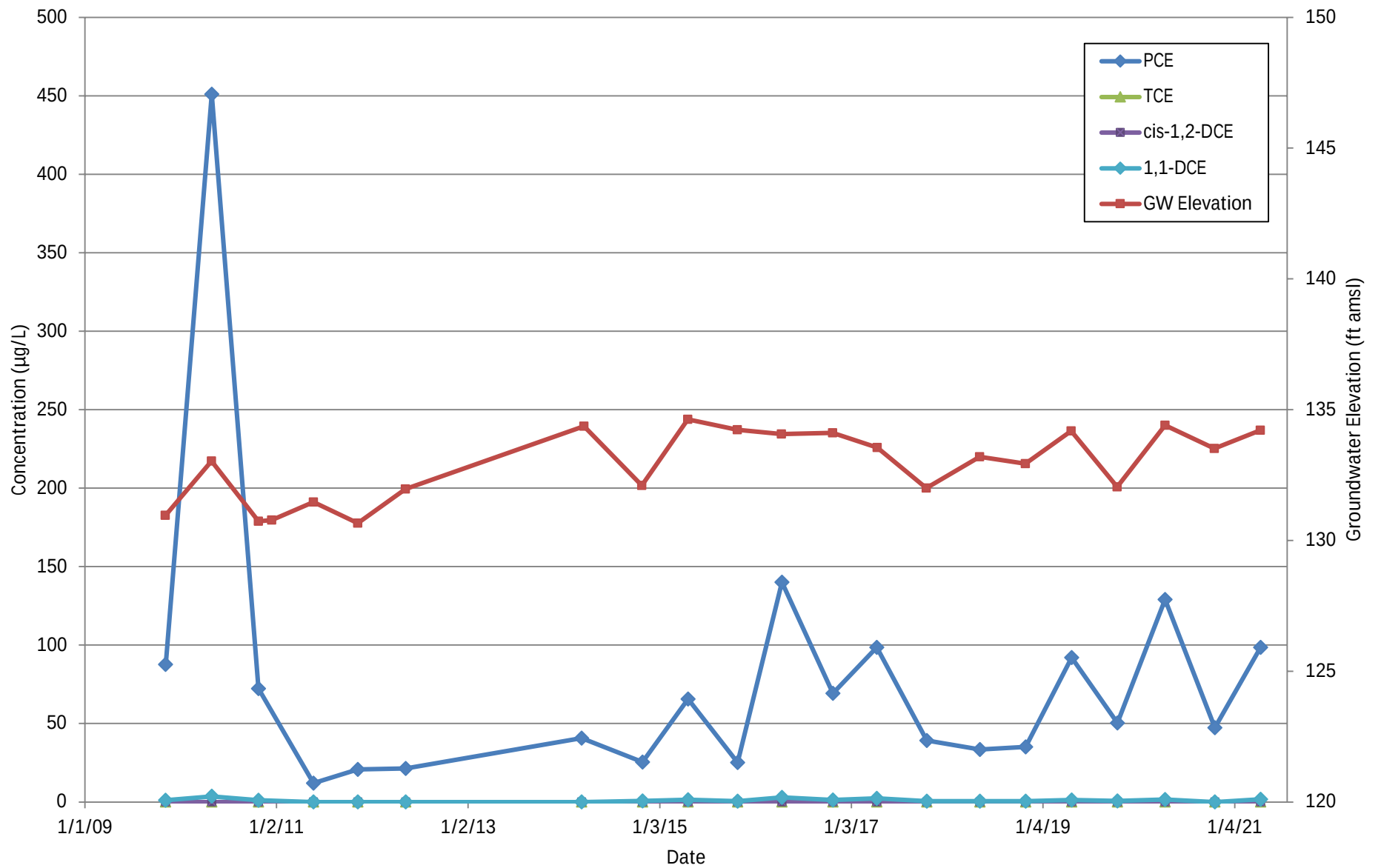
MW-9 Concentrations and Groundwater Elevation with Time



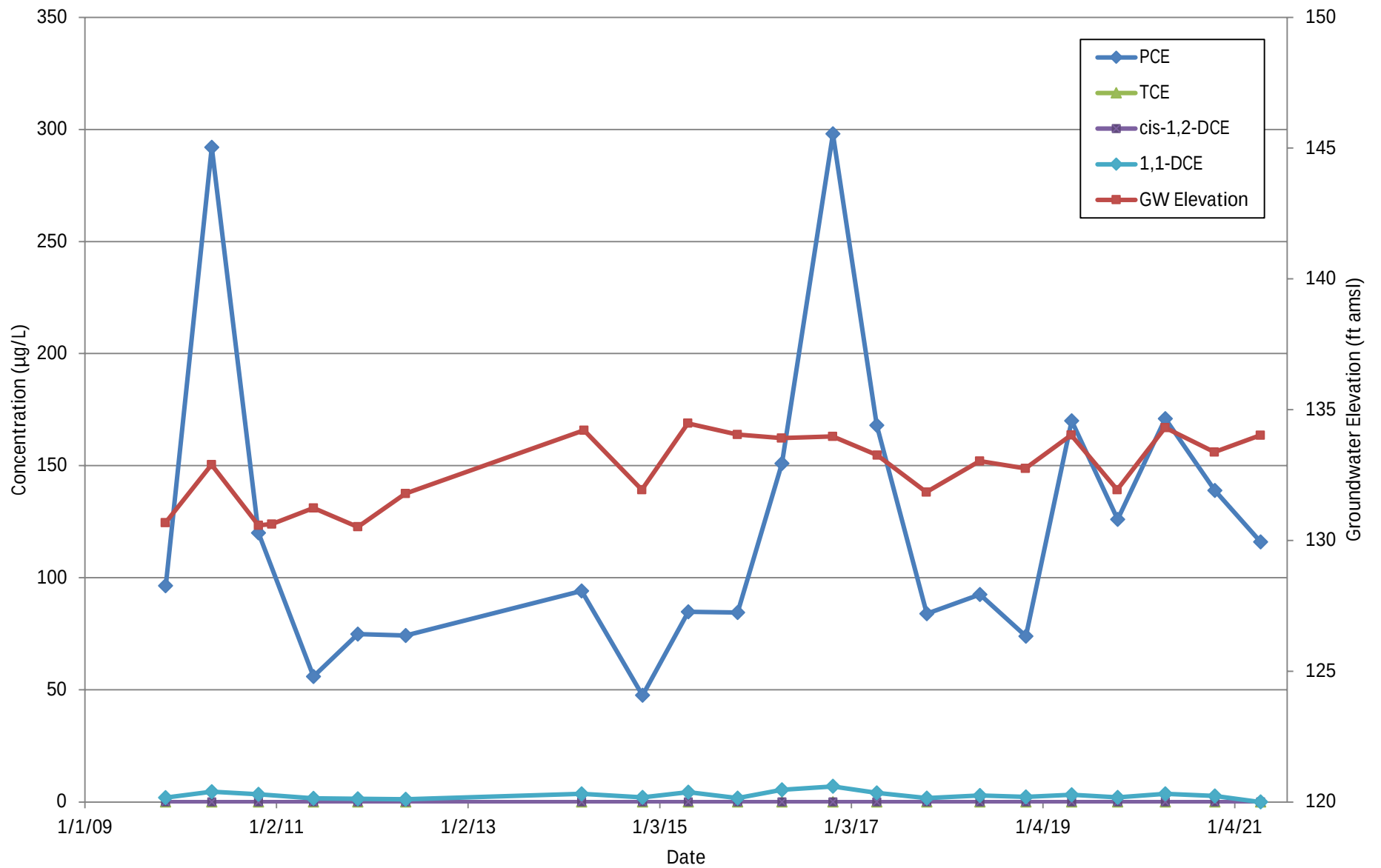
MW-10 Concentrations and Groundwater Elevation with Time



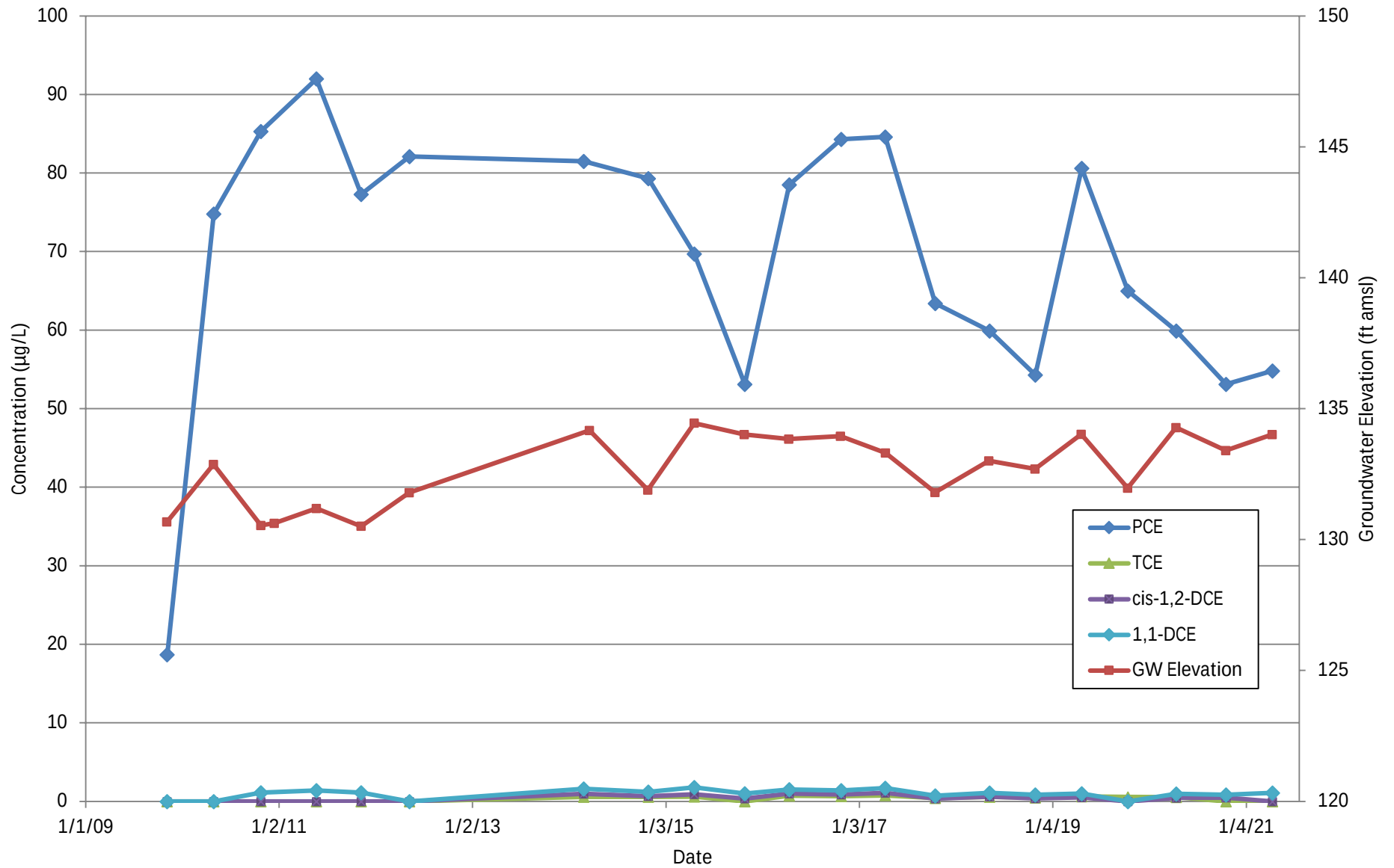
MW-12D Concentrations and Groundwater Elevation with Time



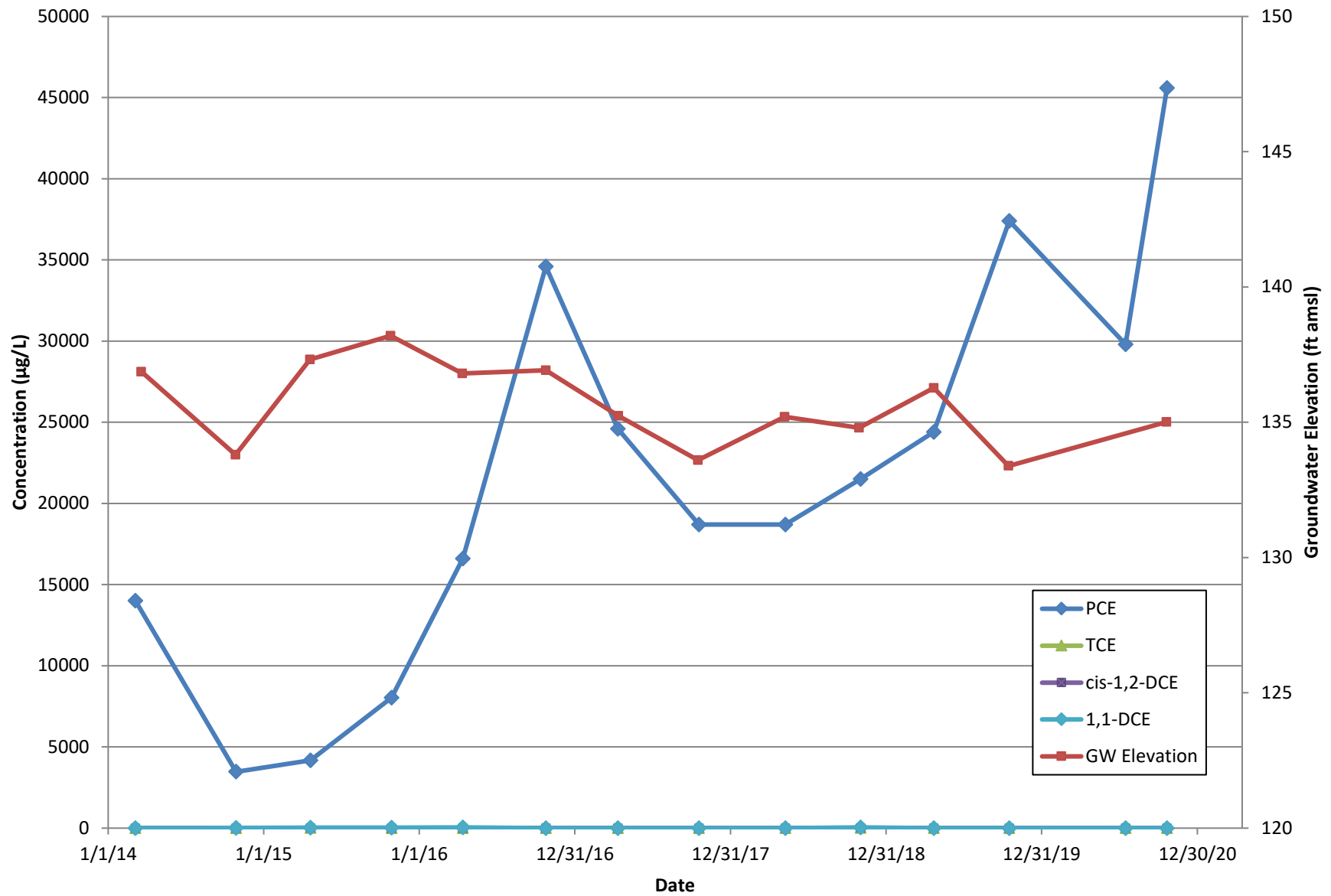
MW-13D Concentrations and Groundwater Elevation with Time



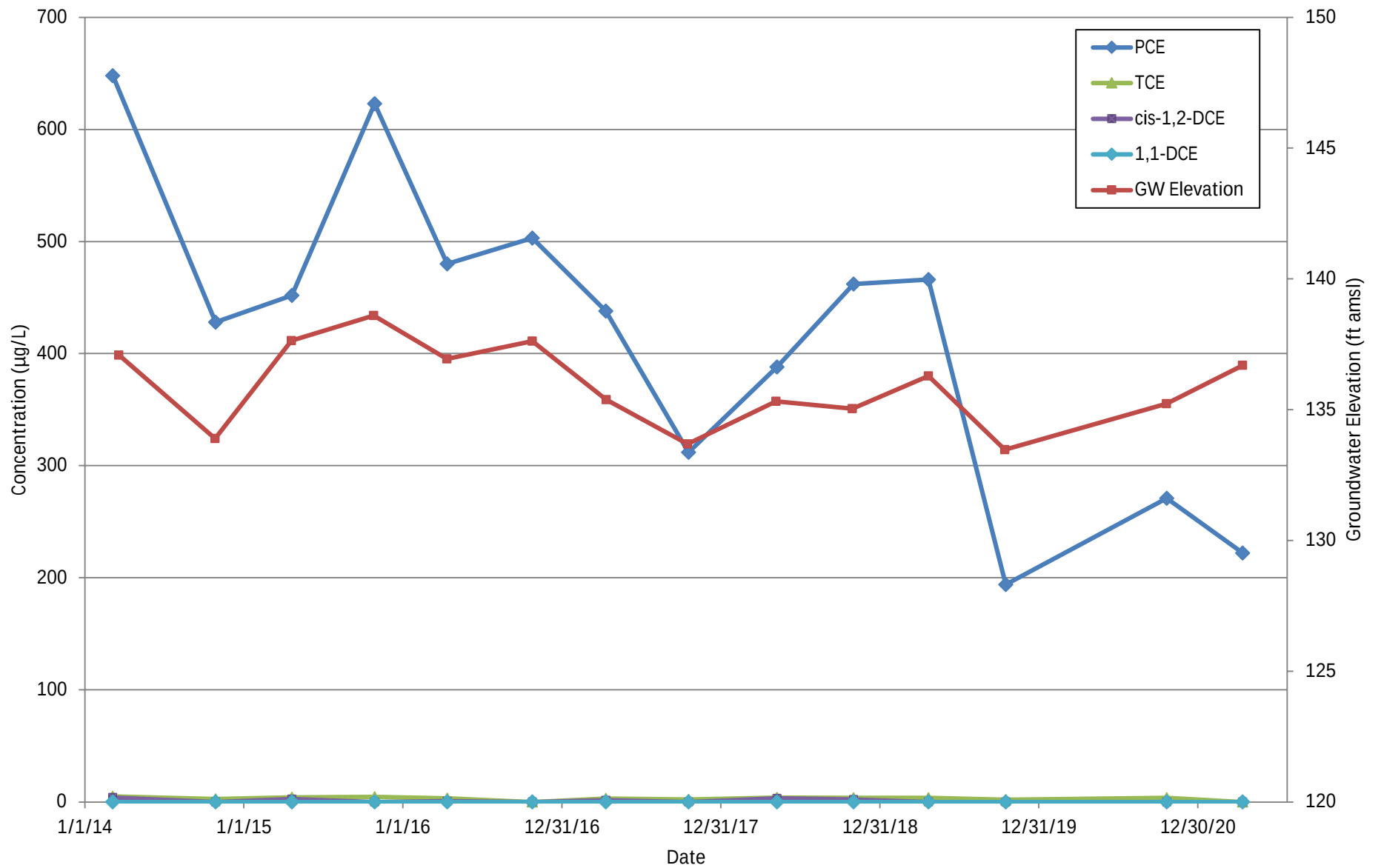
MW-14D Concentrations and Groundwater Elevation with Time



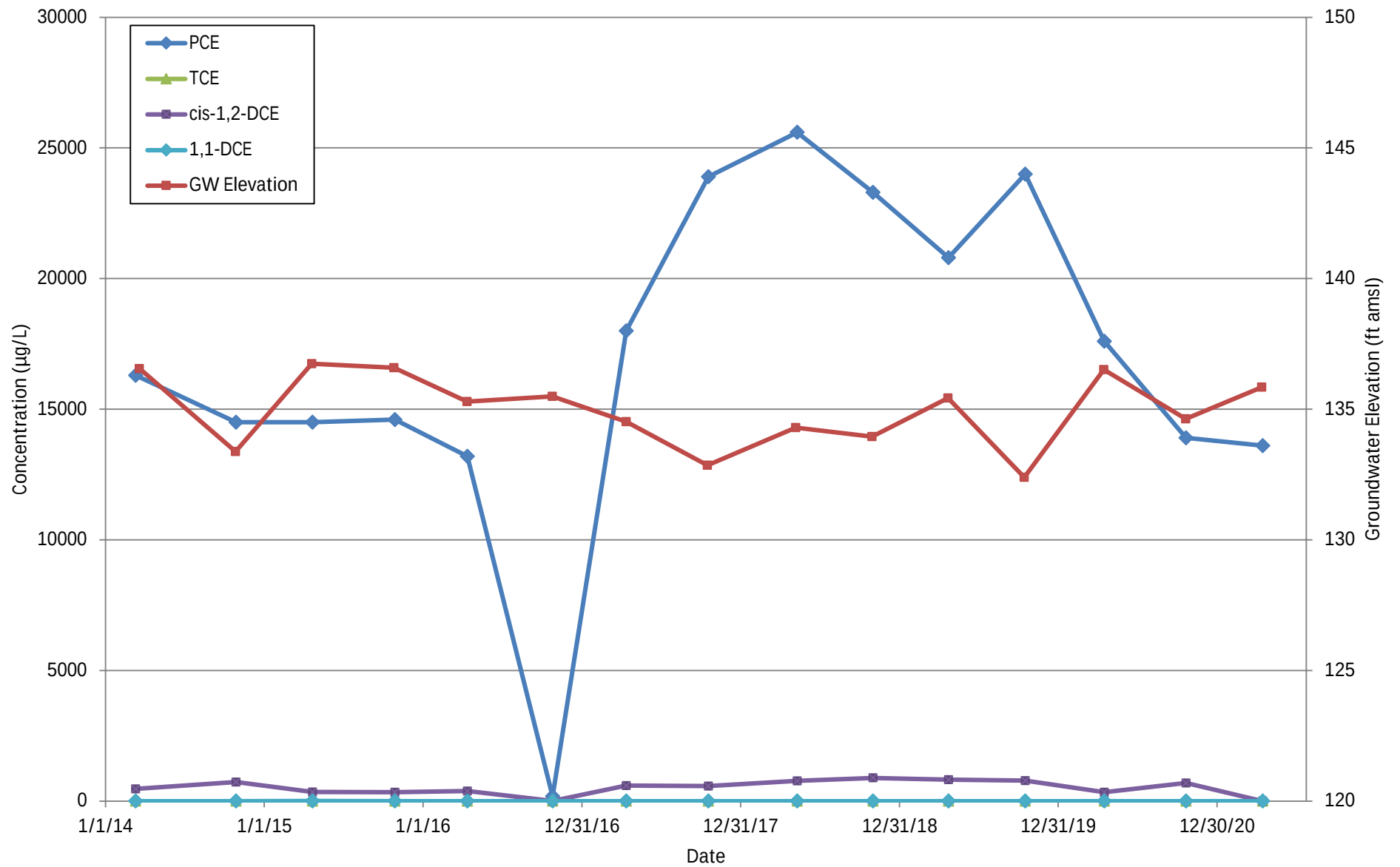
MW-19 Concentrations and Groundwater Elevation with Time



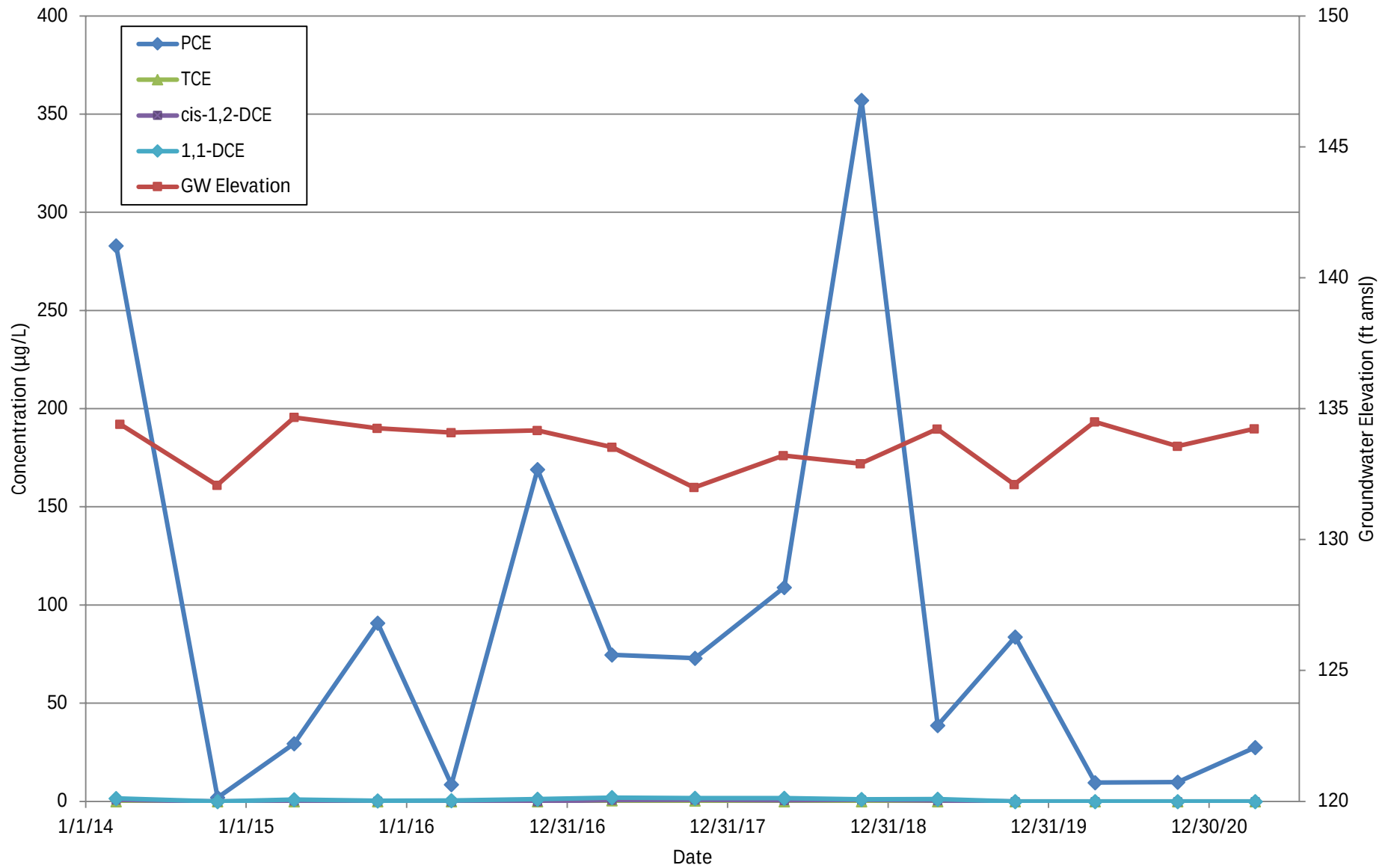
MW-20 Concentrations and Groundwater Elevation with Time



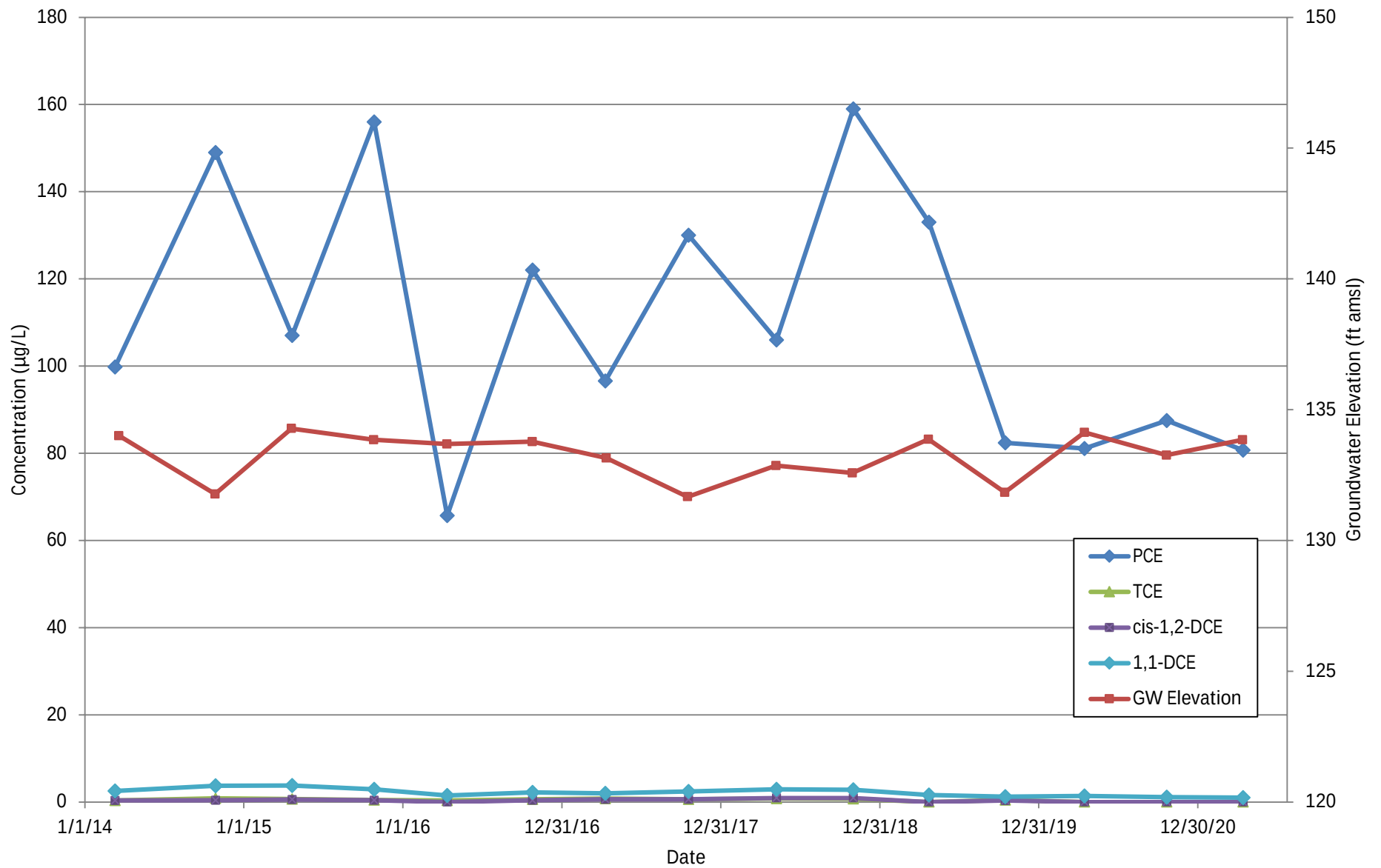
MW-21 Concentrations and Groundwater Elevation with Time



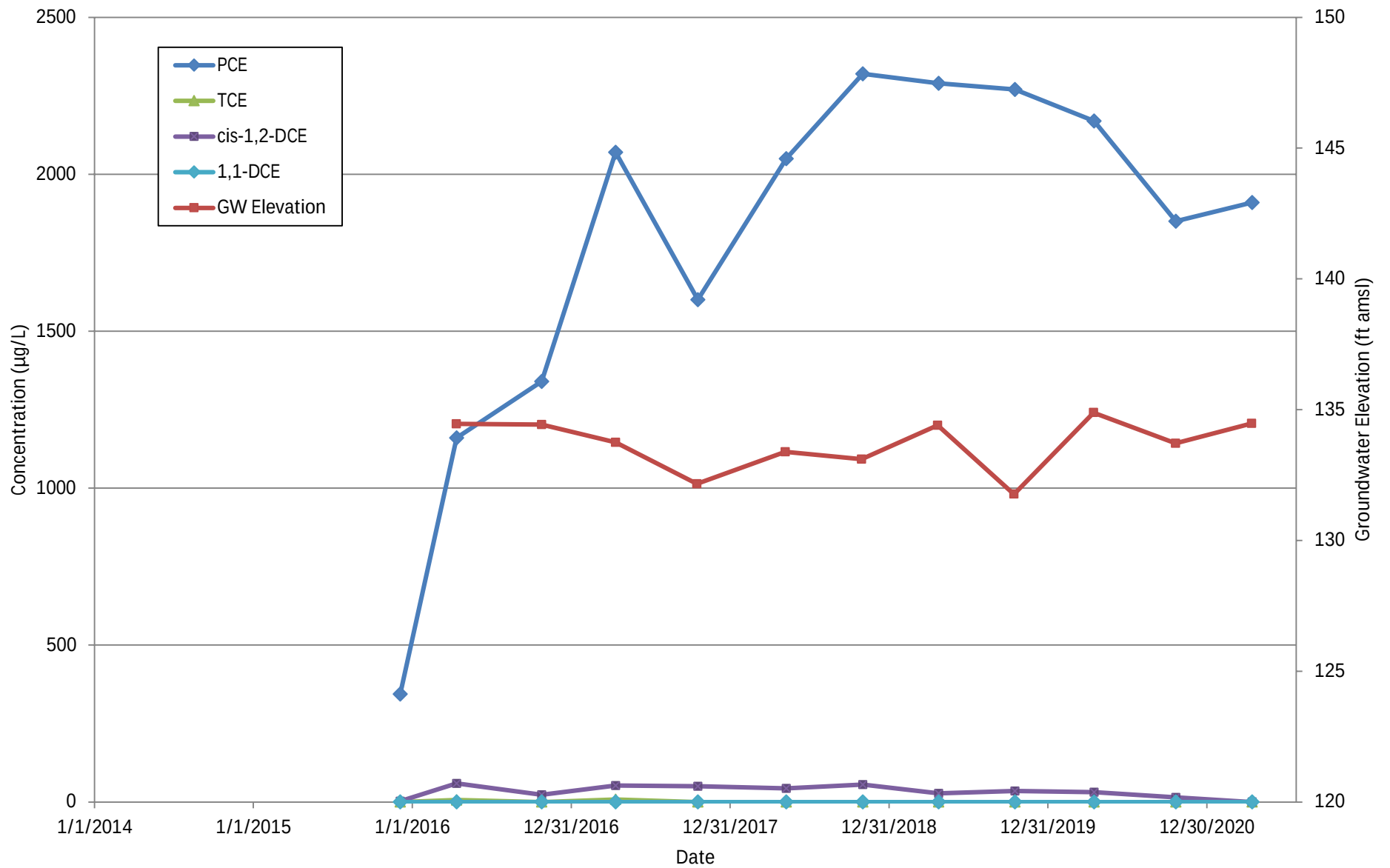
MW-21D Concentrations and Groundwater Elevation with Time



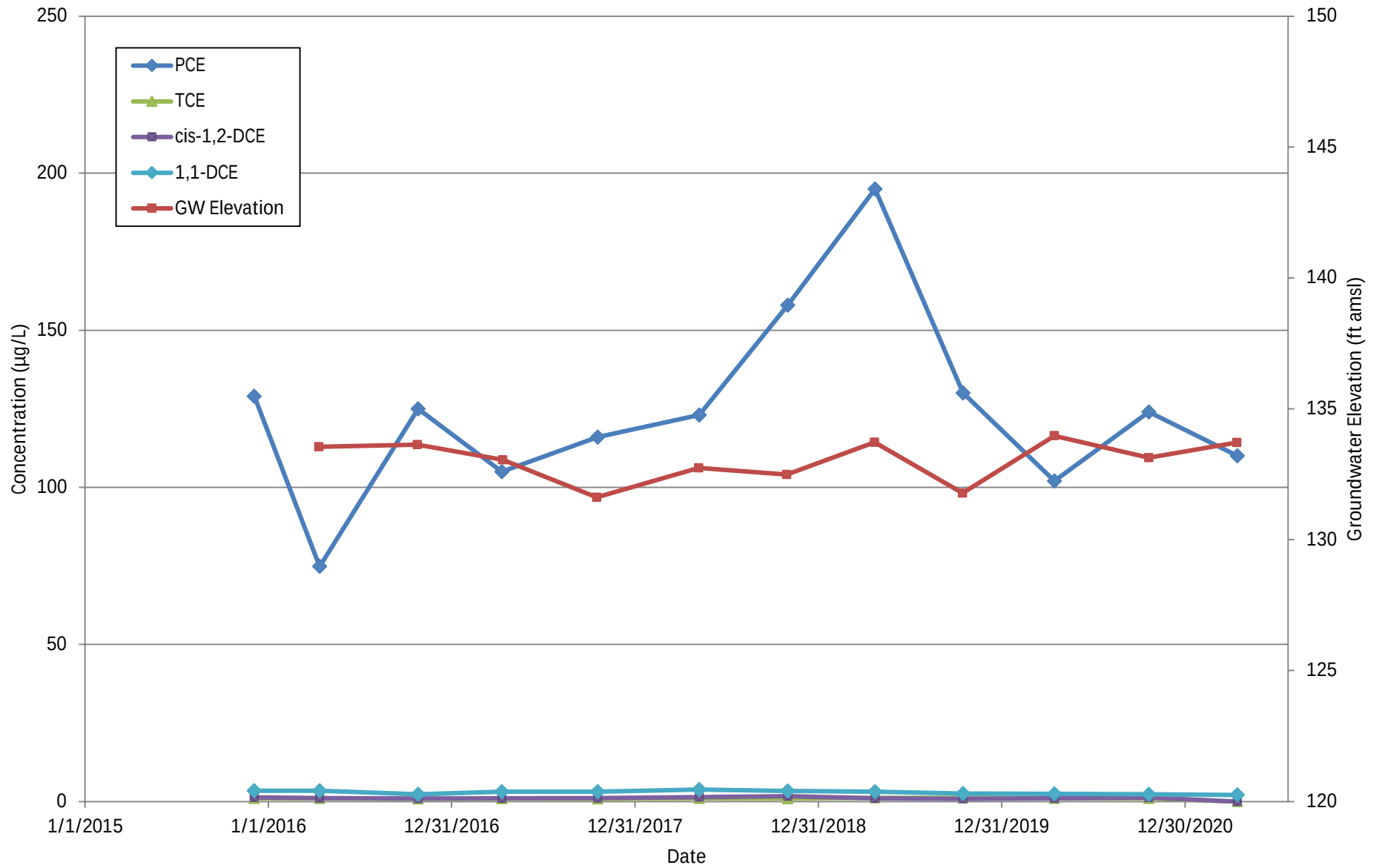
MW-22D Concentrations and Groundwater Elevation with Time



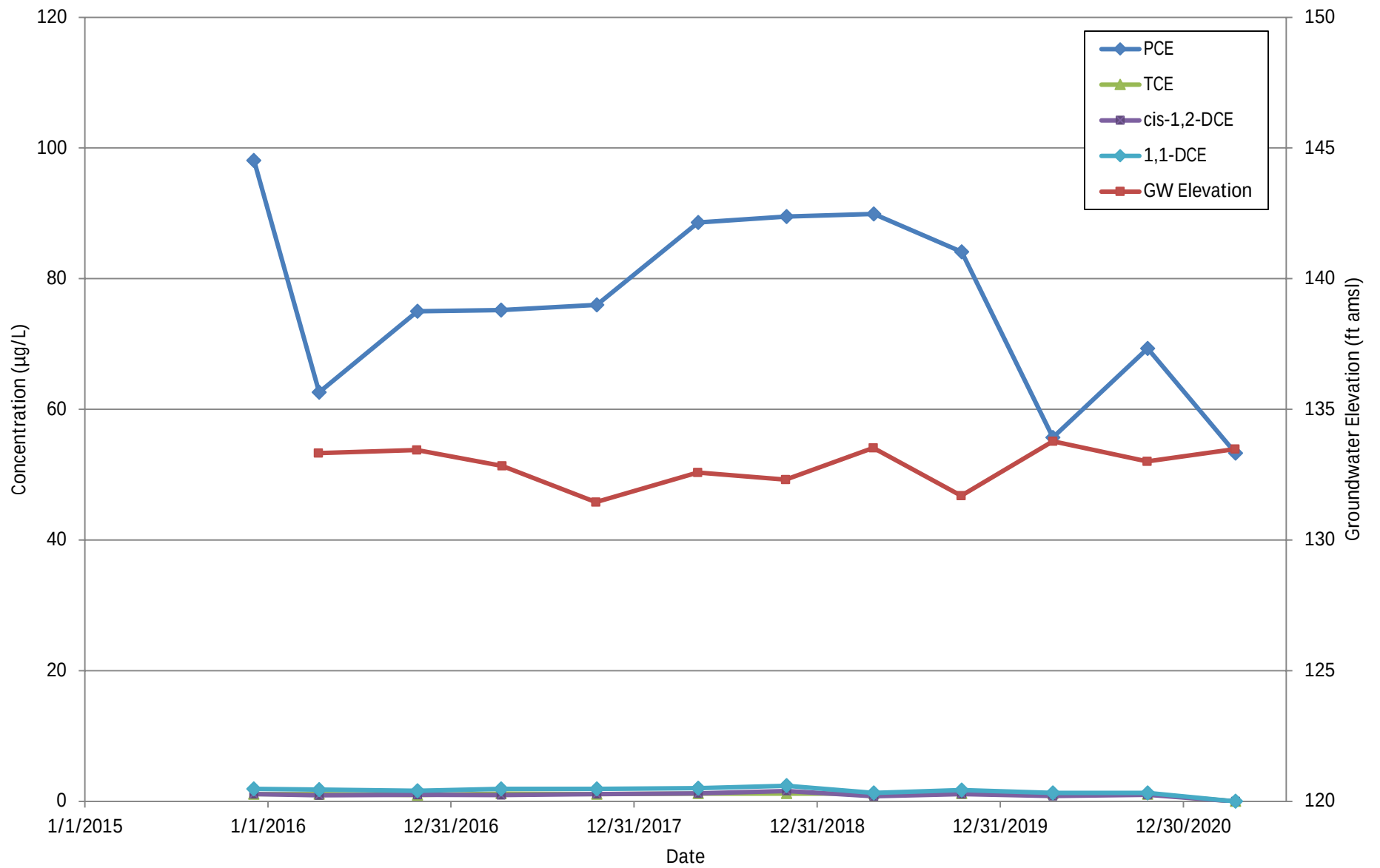
MW-24 Concentrations and Groundwater Elevation with Time



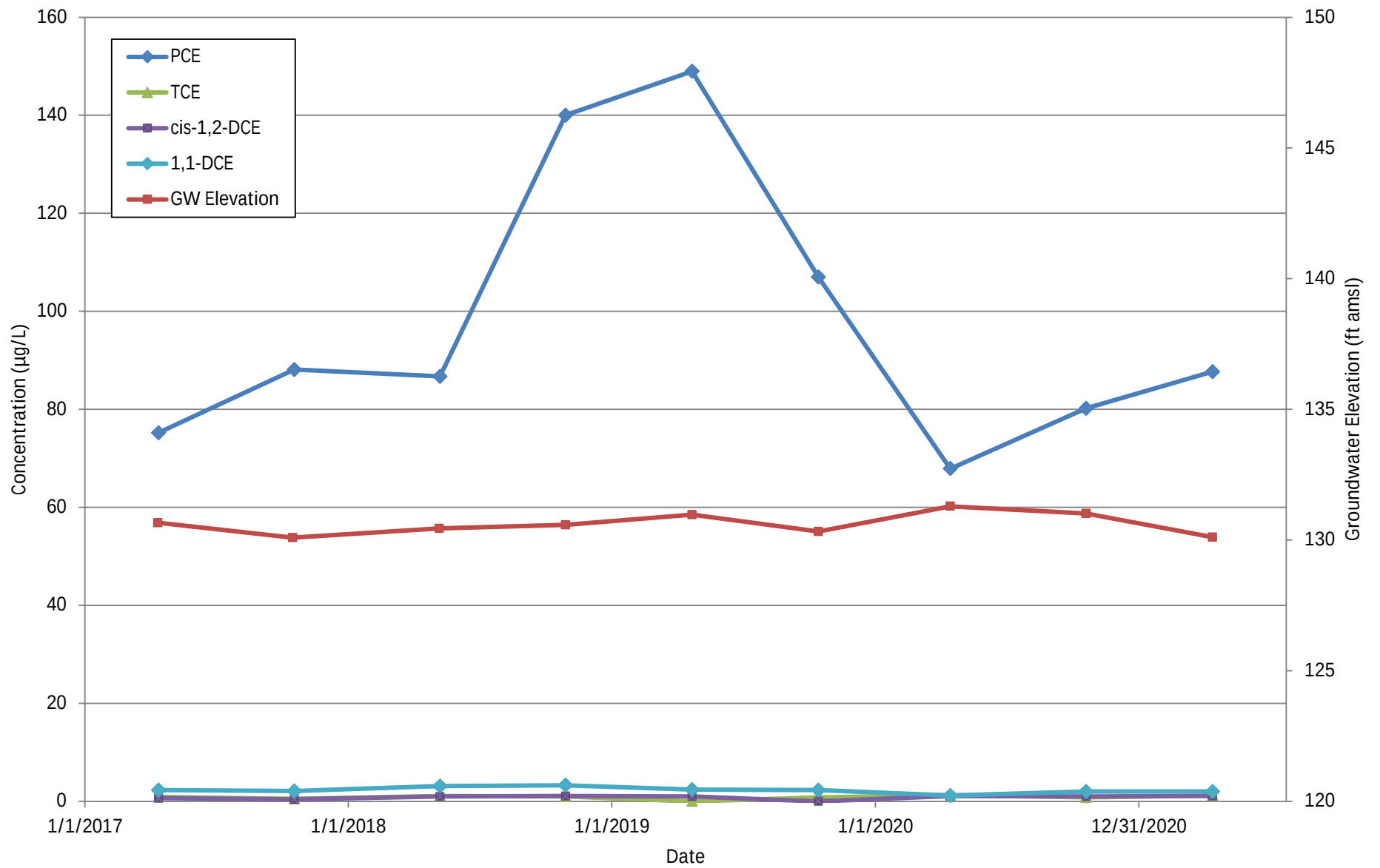
MW-25D Concentrations and Groundwater Elevation with Time



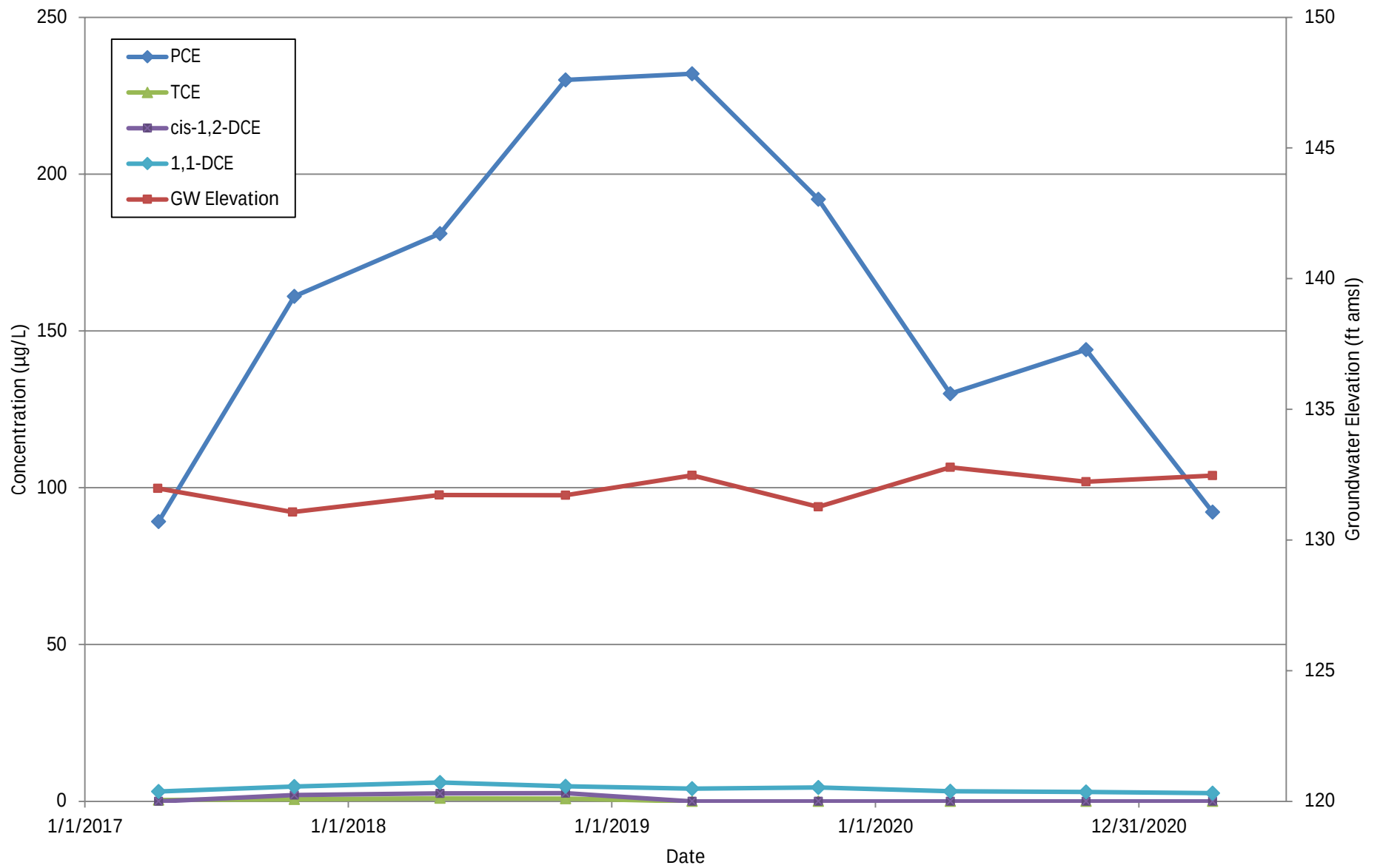
MW-26D Concentrations and Groundwater Elevation with Time



MW-30D Concentrations and Groundwater Elevation with Time



MW-31D Concentrations and Groundwater Elevation with Time



MW-32DR Concentrations and Groundwater Elevation with Time

