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Sent: Thursday, July 30, 2020 6:54 PM

To: Devlin, Cynde <devlincl@dhec.sc.gov>

Cc: Bill Penn - UTC (william.penn@rtx.com) <william.penn@rtx.com>; DiNardo, Paul M RTX <PAUL.DINARDO@UTC.COM>; Washington, Melinda <melinda.washington@collins.com>; Berresford, James <berresjl@dhec.sc.gov>; Fitzgerald, Conan <conan.fitzgerald@aecom.com>

Subject: Delavan Spray Technologies - Spring 2020 semi annual monitoring report

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Cynde,

Good evening. I have attached the Spring 2020 Semi-Annual Monitoring Report for the Delavan Spray Technologies Site. A hard copy will follow in the mail. Please let me know if you have any questions.

Also, we finished the MIP and DPT work for the High Resolution Site Characterization on Monday. Those results will be forthcoming at a later date in a separate report.

Best regards,
Leslee

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July 30, 2020

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Bureau of Land and Waste Management
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AUG 06 2020

SITE ASSESSMENT,
REMEDICATION, &
REVITALIZATION

Re: Spring 2020 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 United Technologies Aerospace Systems (UTAS), AECOM is providing you one (1) hard copy and one (1) electronic copy of the Spring 2020 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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cc: Mr. Bill Penn – Raytheon Technologies Corporation
Mr. Paul DiNardo – Raytheon Technologies Corporation
Ms. Melinda Washington – Collins Aerospace Systems
Project File 60629985

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Spring 2020 Semi-Annual Groundwater Monitoring Report

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

VCC 13-4762-RP

RECEIVED

AUG 06 2020

**SITE ASSESSMENT,
REMEDICATION, &
REVITALIZATION**

Prepared by:

**AECOM Technical Services, Inc.
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July 30, 2020

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Spring 2020 SEMI-ANNUAL GROUNDWATER MONITORING REPORT

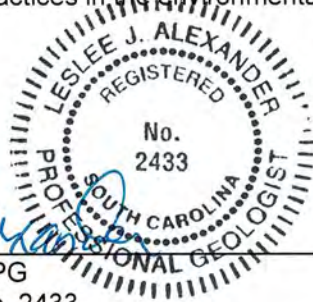
DELAVAN SPRAY TECHNOLOGIES SITE BAMBERG, SOUTH CAROLINA

RESPONSIBILITY 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.

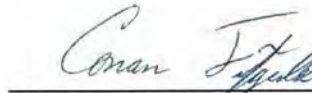
Prepared by:


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



July 30, 2020
Date

Reviewed by:


Conan Fitzgerald
AECOM Project Manager

July 30, 2020
Date

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1.0 INTRODUCTION

AECOM Technical Services, Inc. (AECOM) has prepared this *Spring 2020 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 2020 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 and recommendations 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 their 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 their 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 if 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).

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 have 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 SCDEHC in correspondence dated March 1, 2019. The results of the investigation will be used to design a pilot study to test a remedy for the residual “source areas” beneath the Facility. This field work is currently underway at the Facility and is expected to be completed by the end of July 2020.

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 are detailed in Section 4.0 of this report.

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 Site characterization, the Delavan Spray Technologies 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 2020 semi-annual sampling activities were completed by AECOM personnel during April 14-15, 2020. 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 39 of 41 existing monitoring wells (Figure 3). Interior monitoring wells MW-19 and MW-20 were not visited during the field effort because, at the request of the Facility, AECOM did not enter the building as a precaution related to COVID-19;
- Groundwater samples were collected from 30 existing monitoring wells using low-flow sampling techniques. Except as noted above, sampling was completed in accordance with the sampling plan included as Table 8 of the Fall 2019 Semi-Annual Groundwater Monitoring Report (AECOM, February 2020). Groundwater indicator parameters were collected from each well and all 30 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 one drum of aqueous investigation-derived waste (IDW) for analysis of VOCs, semi-volatile organic compounds (SVOCs) and priority pollutant metals for IDW characterization purposes.

Samples from MW-19 and MW-20 will be collected during the HRSC work that is currently underway at the Facility and the results will be included in the forthcoming report of this work.

The depth to water in the monitoring wells was measured using an electronic water level meter on April 14, 2020, 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 8260B. The aqueous IDW sample was analyzed for VOCs by USEPA Method 8260B, SVOCs by USEPA Method 8270D, and priority pollutant metals by USEPA Methods 6010C and 7470B. 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 14, 2020 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 2020 water levels within the shallow aquifer zone occur between 132.85 and 141.05 feet in elevation. Shallow water level elevations are up to 3.63 feet higher than those collected during the spring 2019 groundwater monitoring event (April 2019). Compared to shallow aquifer zone water levels measured during the fall 2019 groundwater monitoring event (October 2019), April 2020 water levels range from 1.37 feet to 7.32 feet higher. These differences are likely attributable to lower than average precipitation for the area in the 2019 compared to climate normal (National Oceanic and Atmospheric Administration [NOAA] National Climatic Data Center [NCDC], 2020.). Shallow flow patterns resulting from the spring 2020 water level measurements are similar to those observed previously at the Site. The equal potential lines indicate groundwater flow beneath the northern portion of the Facility varies between southwestward and westward flow directions, with a local groundwater high at MW-9. A local groundwater high was also observed at MW-6, which is located adjacent to a storm water ditch, and was likely a result of rainfall the day before the event. Groundwater levels appear depressed at MW-3, MW-7, MW-8, and MW-21. 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 and MW-20 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 and is likely a result of the rain the day before the event.

Based on the April 2020 water level elevations within the deeper limestone aquifer zone, the potentiometric surface occurs between 128.78 feet and 135.09 feet in elevation (Figure 5). Groundwater elevations in April 2020 are as much as 0.32 feet higher than those measured during the spring 2019 groundwater monitoring event (April 2019) and as much as 2.59 feet higher than those collected during the fall 2019 groundwater monitoring event (October 2019). 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 5.35E-02 feet per foot (ft/ft) at MW-

14/MW-14D to 1.08E-01 ft/ft at MW-9/MW-9D. Upward gradients were evident in the vicinity of Half-Moon Branch (-3.30E-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 were two orders of magnitude lower than shallow aquifer/deeper limestone aquifer gradients, with an upward gradient in the vicinity of MW-3D/MW-3D1 (-5.97E-04 ft/ft) and a downward gradient at MW-15D/MW-15D1 (7.50E-04 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. Historic 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 15 groundwater samples collected from shallow aquifer zone groundwater during the spring 2020 semi-annual monitoring, four (4) VOCs (PCE, TCE, cis-1,2-DCE, and 1,1-DCE) were detected (Table 4). All four 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 (8 detections) and groundwater concentrations exceeded the MCL (5 micrograms per liter [µg/L]) in seven (7) shallow monitoring wells (MW-1, MW-3, MW-8, MW-9, MW-10, MW-21, and MW-24; Figure 6). The highest concentration was detected adjacent to the Former PCE UST in MW-21 (17,600 µg/L), which has been one of the monitoring wells with the highest PCE concentrations each sampling event since the well was installed in February/March 2014. Elevated but lower concentrations of PCE were detected in shallow aquifer groundwater in MW-24 (2,170 µg/L) along the western property boundary, in MW-9 (402 µg/L) and MW-10 (70.3 µg/L) located in the wooded areas of interest, in MW-8 (346 µg/L) located in the asphalt parking lot northeast of the main Facility building, in MW-3 (122 µg/L) downgradient of the Former PCE Secondary Containment Area, and in MW-1 (111 µg/L) adjacent to the Former PCE Secondary Containment Area. PCE was not detected in any off-site, shallow monitoring wells.

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 six (6) shallow monitoring wells and exceeded the MCL (5 µg/L) in four (4) groundwater samples – MW-8 (31 µg/L), MW-9 (97.4 µg/L), MW-10 (32.8 µg/L), and MW-21 (181 µg/L).

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 (78.1 µg/L), and MW-21 (343 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 in one monitoring well, MW-10 (7.4 µg/L), at a concentration that exceeded its MCL (7 µg/L; Figure 9).

There were no detections of VOC in groundwater samples collected from off-Site wells screened in the shallow aquifer zone. Based on the current (April 2020) and recent (October 2019) 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 two (2) shallow monitoring wells sampled in April 2020 (i.e., MW-15 and MW-16) and not tolerated in six (6) shallow monitoring wells (MW-1, MW-3, MW-5, MW-7, MW-14, and MW-24). ORP is not favorable in any location except MW-7. The pH was in the favorable range for six (6) of the 15 shallow monitoring wells sampled: MW-3, MW-5, MW-7, MW-24, MW-28, and MW-29. 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.)	4.45	6.70	5.05	5 < pH < 9 - Optimal range for reductive pathway 5 > pH > 9 - Outside optimal range for reductive pathway
Dissolved Oxygen (mg/L)	0.36	7.46	3.73	<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)	24.0	297.2	114.2	<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).

ND - not detected

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 111 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 402 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 70.3 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 the last four monitoring events. The current PCE concentration in MW-5 is 1.9 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 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 (122 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 have been increasing since then, and the current concentration of 346 µg/L is the highest since May 2012. The April 2020 TCE concentration for MW-8 (28.9 µg/L) is a record high value for this well.

Concentrations of PCE in groundwater from MW-19, located near the northern-most Former PCE Degreaser and last sampled in October 2019, 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 37,400 µg/L in October 2019, representing the record high 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 2,270 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 194 µg/L when the well was last sampled in October 2019, 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 have been increasing since then, with a new high concentration of 25,600 µg/L in May 2018 and a current concentration of 17,600 µg/L. 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 181 µg/L.

Deeper Limestone Aquifer Zone Monitoring Wells

VOCs

Fifteen (15) groundwater samples were collected from the deeper limestone aquifer zone groundwater during April 2020, resulting in seven (7) VOCs (PCE, TCE, cis-1,2-DCE, 1,1,1-TCA, 1,1-DCE, acetone, and carbon disulfide) that were detected (Table 4). Of these compounds, PCE, TCE, and cis-1,2-DCE exceeded their respective MCLs in one or more samples.

PCE was detected in 11 deeper aquifer zone groundwater samples and groundwater concentrations exceeded the MCL (5 µg/L) in all 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 10). 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 (220 µg/L at MW-3D). PCE concentrations exceeded the MCL (5 µg/L) in on-site down-gradient monitoring wells MW-12D (129 µg/L), MW-13D (171 µg/L), and MW-21D (9.6 µg/L) and in off-Site down-gradient monitoring wells MW-14D (59.9 µg/L), MW-22D (81.1 µg/L), MW-25D (102 µg/L), MW-26D (55.7 µg/L), MW-30D (67.9 µg/L), MW-31D (130 µg/L), and MW-32DR (26.2 µg/L).

TCE concentrations were detected in six (6) samples from the deeper aquifer zone in spring 2020. All of the detected concentrations were below the MCL of (5 µg/L), except for one sample in on-Site well MW-3D (9.6 µg/L) (Figure 11). TCE was also detected in off-Site down-gradient wells MW-14D, MW-25D, MW-26D, MW-30D, and MW-32DR, 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 2020 monitoring event (MW-3D, MW-14D, MW-25D, MW-26D, MW-30D, and MW-32DR). None of the detected concentrations exceeded the MCL for cis-1,2-DCE (70 µg/L; Figure 12).

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), 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. Dissolved oxygen values are tolerated in deeper

aquifer monitoring well MW-36D and not tolerated in MW-13D. ORP values measured in October 2019 are favorable in deeper aquifer monitoring wells MW-12D, MW-14D, MW-30D, MW-34D and MW-35D, and optimal in MW-36D. Observed elevated ORP levels and the lack of dissolved oxygen levels in the favorable range, may inhibit natural degradation of chlorinated VOCs.

Analysis	Minimum	Maximum	Average	Optimal Range for Anaerobic Biodegradation Processes*
pH (S.U.)	7.45	10.39	7.96	5 < pH < 9 - Optimal range for reductive pathway 5 > pH > 9 - Outside optimal range for reductive pathway
Dissolved Oxygen (mg/L)	0.32	5.15	2.81	<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)	-151.1	112.0	44.9	<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).
ND - not detected

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 129 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, until a recent increase to 298 µg/L in October 2016. Since then, the PCE concentration in MW-13D has decreased and the current concentration (171 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 40 µg/L from March 2014 to April 2020. The current concentration is 220 µg/L. 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 the current concentration, 9.6 µg/L, which is the lowest since April 2016.

After the initial sampling of down-gradient well MW-14D, concentrations have remained fairly consistent throughout the monitoring period, between 53.1 µg/L and 92.0 µg/L. The current concentration is 59.9 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 the current event (e.g., MW-26D) 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 2020 (Figure 13) 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 (0.53 $\mu\text{g/L}$), 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 $\mu\text{g/L}$) and was below the SCDHEC Water Classification Standards for PCE based on consumption of an organism only (3.3 $\mu\text{g/L}$) and consumption of water and organism (0.69 $\mu\text{g/L}$; SCDHEC, June 2020). No other VOCs were detected in surface water samples in April 2020 (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

One drum of purge and decontamination water was 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 8260B, SVOCs by USEPA Method 8270D, and metals by USEPA Methods 6010C and 7470B. 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 are managing the 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 the analytical data tables (Tables 4, 5 and 6). The data assessment reports (DARs; Appendix B) explain data qualifiers added to the sample results as a result of the validation process.

Results of tetrachloroethene in sample MW-9 were qualified “/M/M” due to high recovery in the associated matrix spike sample above the established criteria of 40-160% (187%). These qualifiers indicate the results should be considered biased high. The QC excursions encountered during the validation of this data set did not result in the rejection of any data. Therefore, the data associated with this report should be considered compliant and adequate for its intended use.

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.

Field Duplicates

Duplicate samples, designated with an “-A” 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. During the validation process, no qualifiers were added to the data as a result of the relative percent difference (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. As mentioned above, results of tetrachloroethene in sample MW-9 were qualified “/M/M” due to high recovery in the associated matrix spike sample. No other flags were added based on the results of the MS/MSD analyses.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The following conclusions are submitted based on the evaluation of the spring 2020 semi-annual monitoring results and a limited comparison to previous sampling results:

- Shallow water levels were up to 3.6 ft higher than those collected during the spring 2019 groundwater monitoring event (April 2019) and 1.4 to 7.3 feet higher than those measured during the fall 2019 groundwater monitoring event (October 2019). In the deeper limestone aquifer, groundwater elevations in April 2020 are up to 0.3 feet higher than those measured during the spring 2019 groundwater monitoring event (April 2019) and up to 2.6 feet higher than those collected during the fall 2019 groundwater monitoring event (October 2019). 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 2019 and spring 2019 monitoring events and previous investigations.
- Concentrations of VOCs in the main plume in the shallow aquifer appear to be delineated on-Site and bounded by non-detect values of PCE in off-Site wells MW-27 and MW-28. There were no VOCs detected in April 2020 in off-Site monitoring wells screened in the shallow aquifer unit.
- 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 10, 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 10) 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 in surface water sample SW-01-LC (0.53 J µg/L). 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) and consumption of water and organism (0.69 µg/L; SCDHEC, July 2020).

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-3D, MW-9, MW-14D, MW-19 and MW-21D, exhibit mixed behavior or no trend with regard to 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). AECOM submitted a work plan for high resolution site characterization using MIP/HPT in February 2019 to better understand these areas. Data gained from the MIP/HPT investigation

will be used to design a pilot study to test a remedy for the residual source areas beneath the Facility building. The MIP/HPT field work is currently in progress and expected to be completed before the end of July 2020.

In accordance with the monitoring requirement of the VCC, the next semi-annual sampling event is scheduled to occur in October 2020. Groundwater monitoring will be conducted in accordance with the SCDHEC-approved sampling plan, which was Table 8 of the *October 2019 Semi-Annual Monitoring Report* (AECOM, February 2020). The 11 residential wells where GAC treatment has been installed will be sampled to monitor that the GAC units continue to perform as expected, in accordance with Table 9 of the SCDHEC-approved *October 2019 Semi-Annual Monitoring Report* (AECOM, February 2020). The samples will be collected concurrent with the Fall 2020 semi-annual monitoring event and will be collected both pre- and post-treatment.

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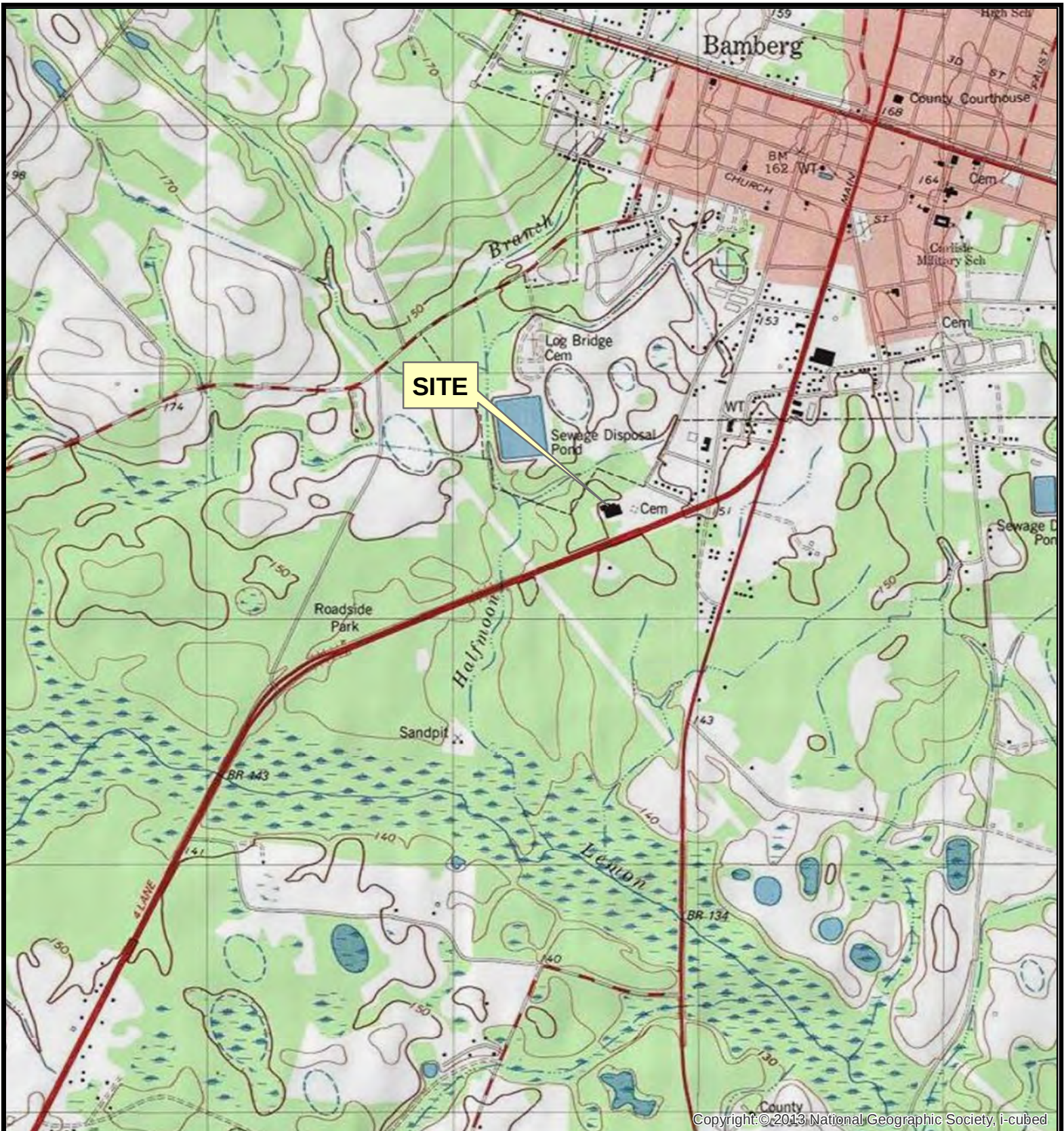
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FIGURES



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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

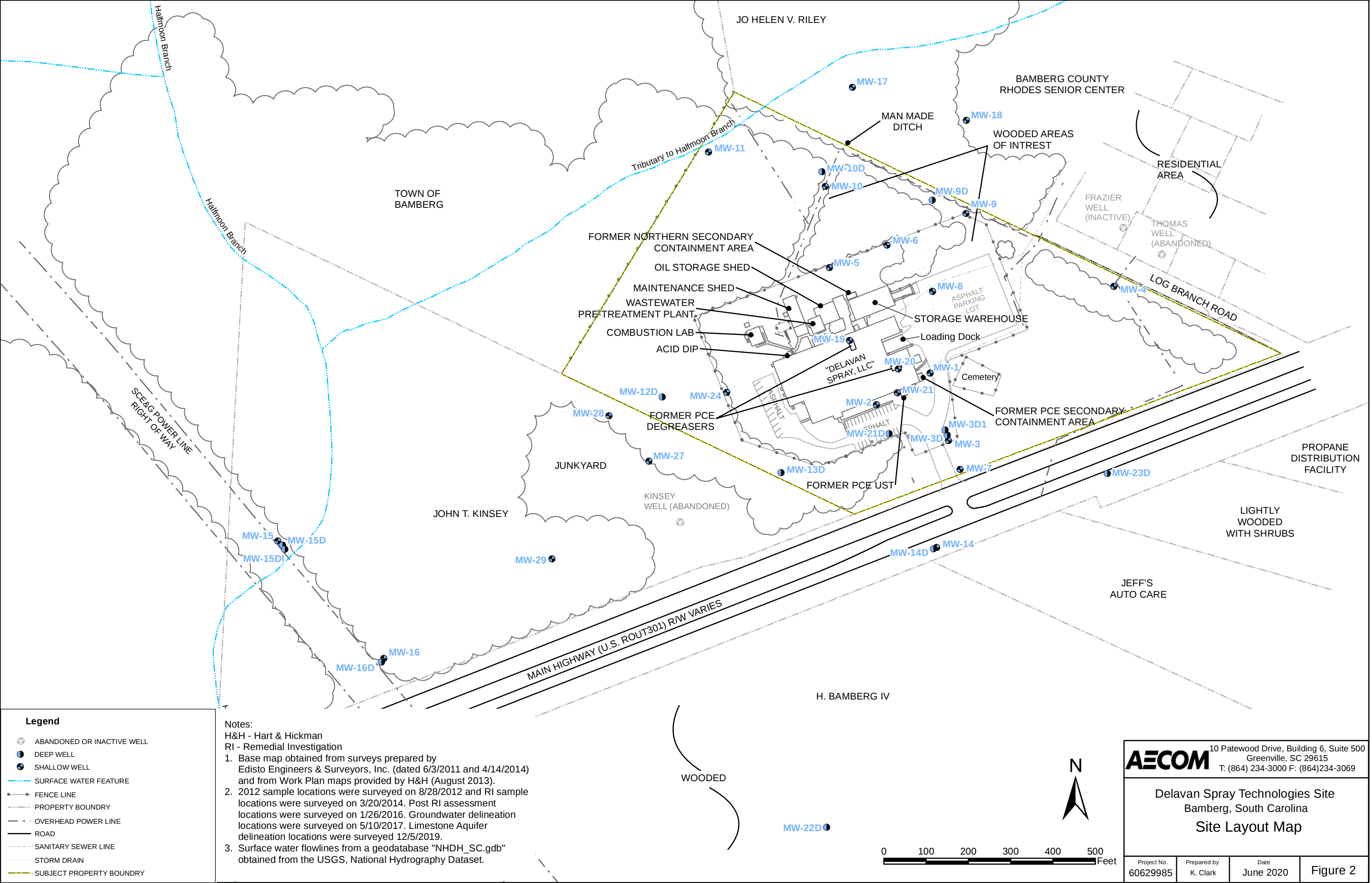
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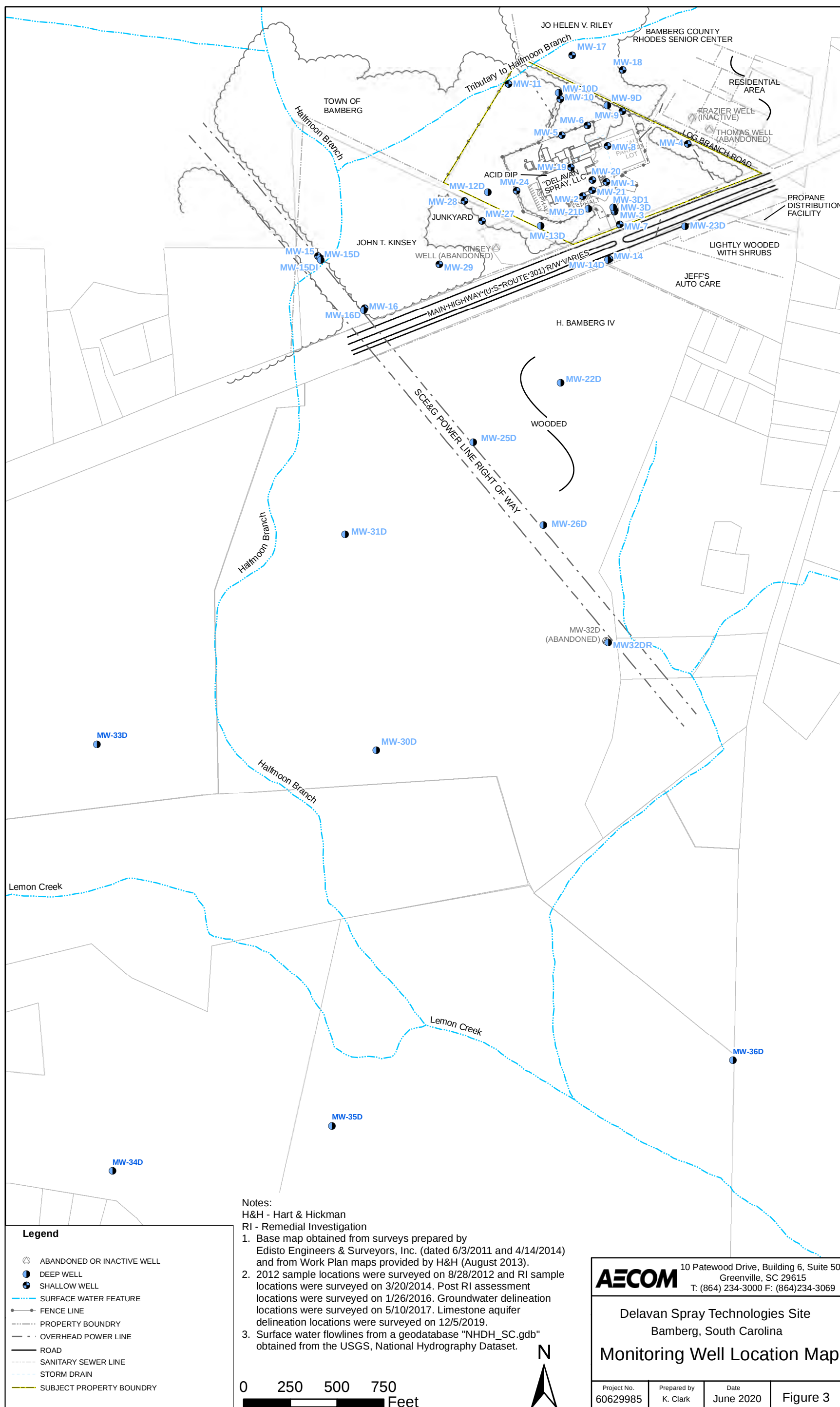
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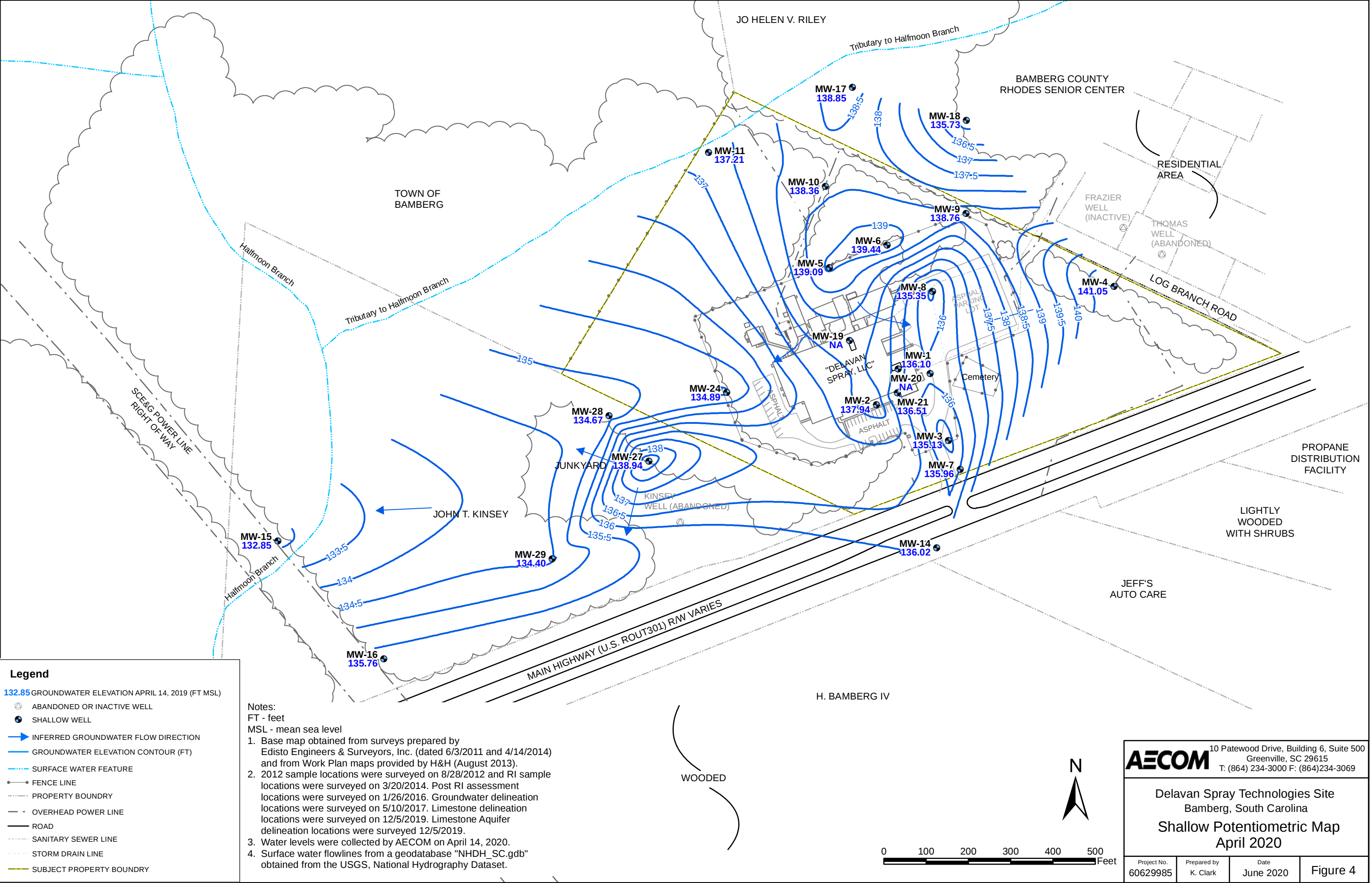
Prepared by
KCG

Date
June 2020

Figure 1







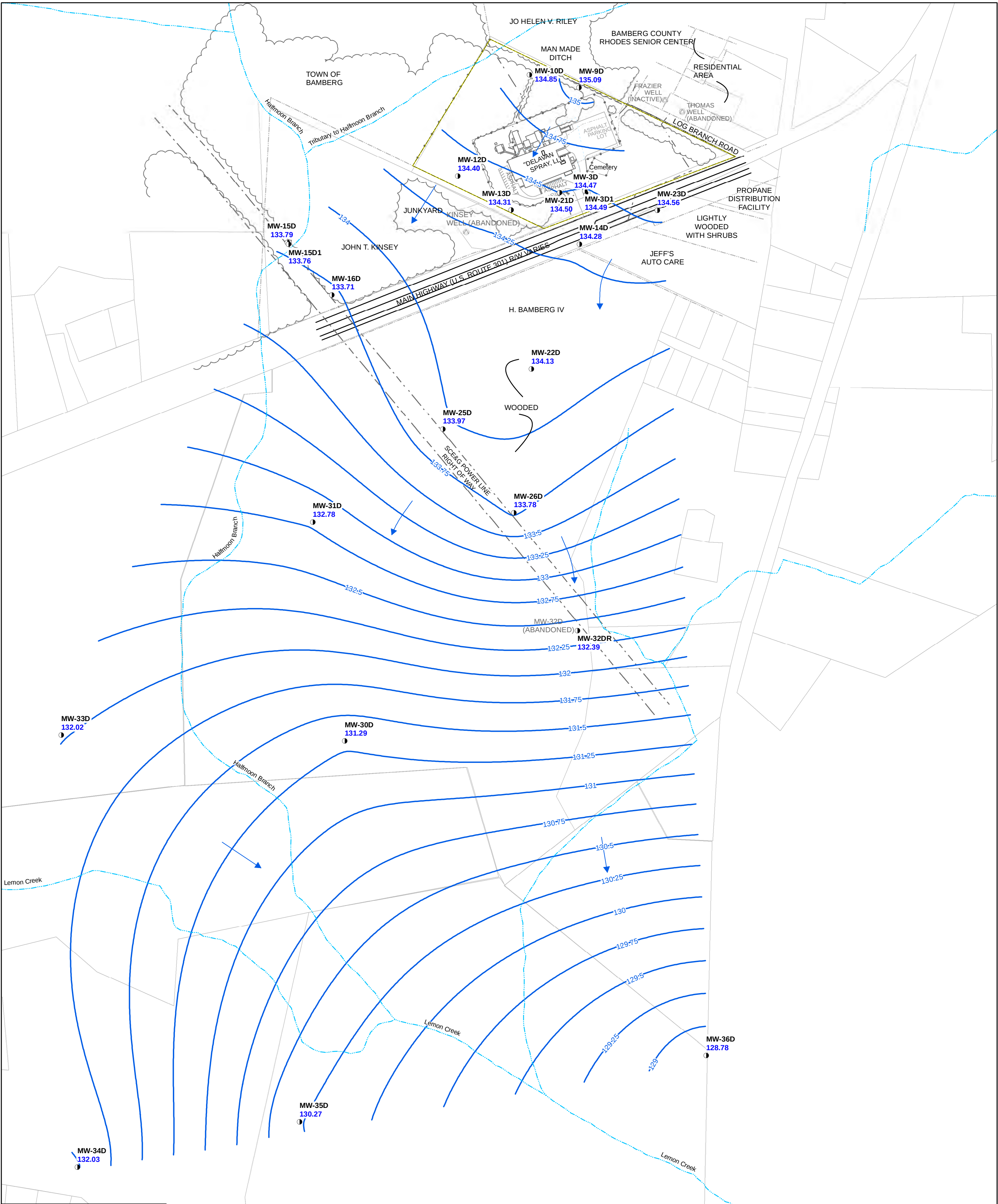
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Delavan Spray Technologies Site
Bamberg, South Carolina

Shallow Potentiometric Map
April 2020

Project No. 60629985	Prepared by K. Clark	Date June 2020	Figure 4
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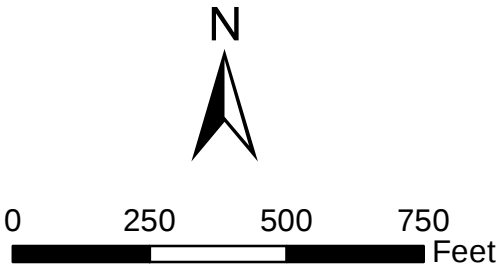
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130.32 GROUNDWATER ELEVATION
APRIL 14, 2020 (FT MSL)

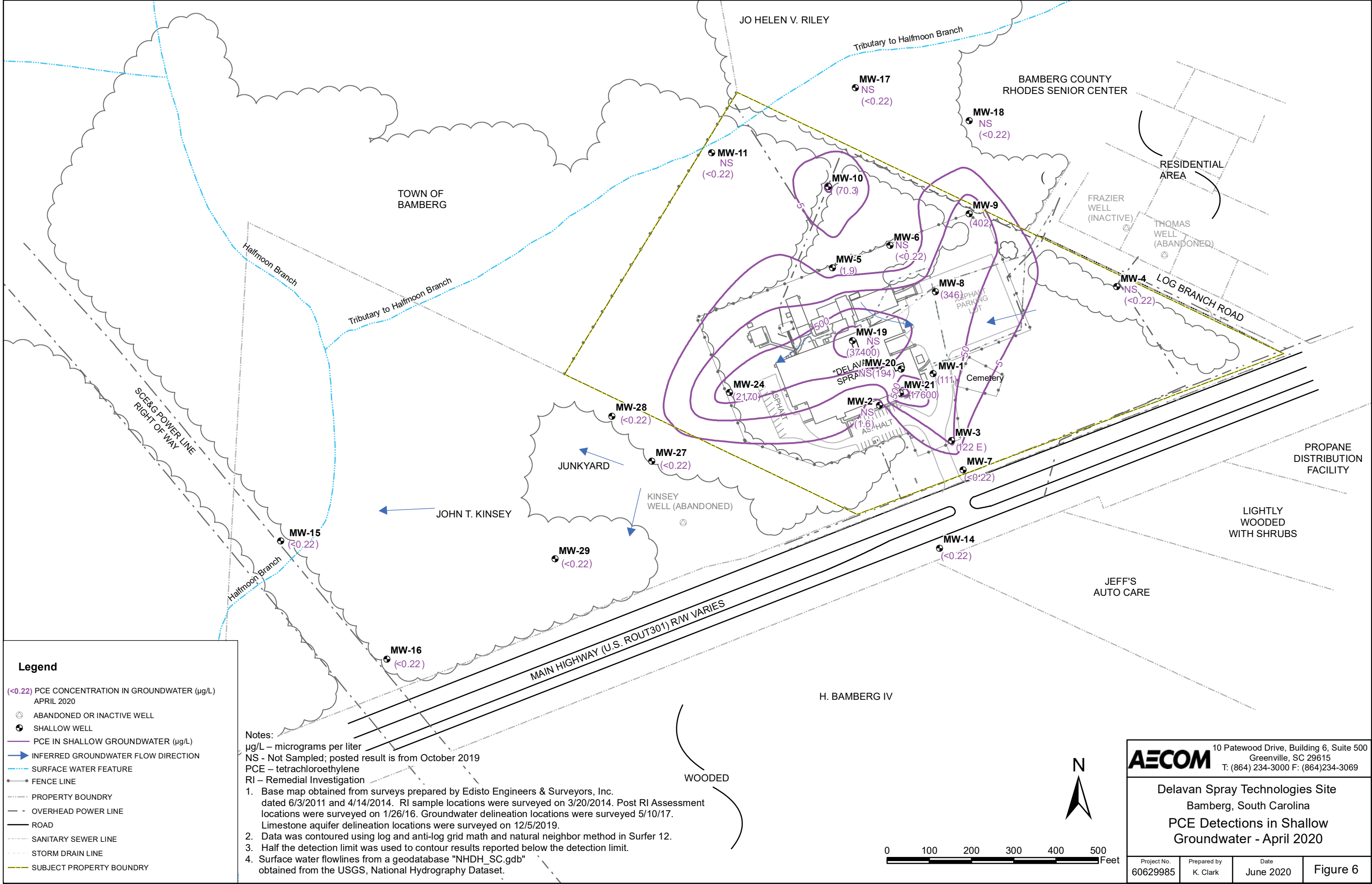
○ ABANDONED OR INACTIVE WELL
● DEEP WELL
➔ INFERRED GROUNDWATER FLOW DIRECTION
— GROUNDWATER ELEVATION CONTOUR (FT)
--- SURFACE WATER FEATURE
--- FENCE LINE
--- PROPERTY BOUNDARY
--- OVERHEAD POWER LINE
--- ROAD
--- SANITARY SEWER LINE
--- STORM DRAIN LINE
--- SUBJECT PROPERTY BOUNDARY

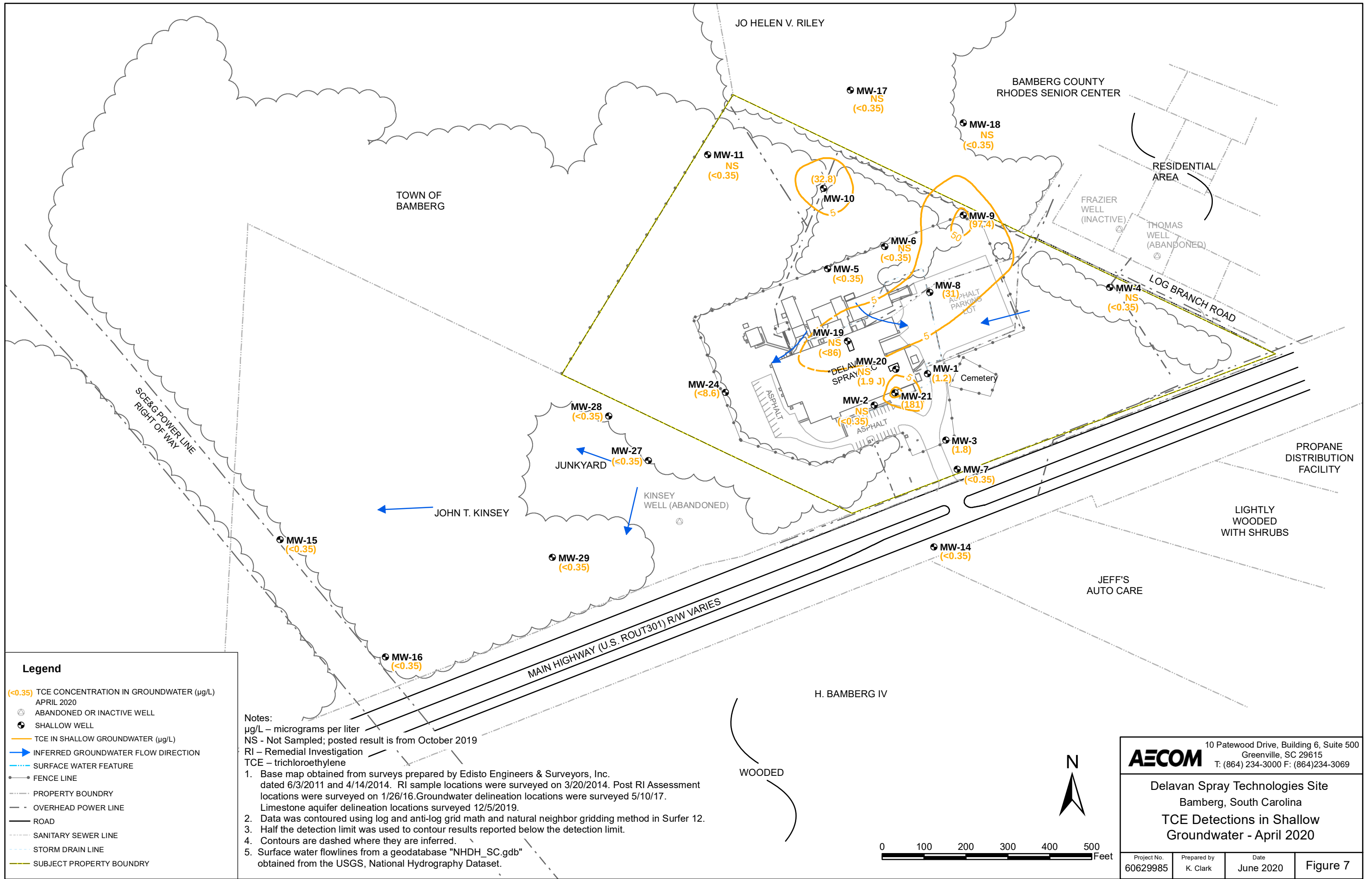
Notes:
H&H - Hart & Hickman
RI - Remedial Investigation
NM - Not Measured

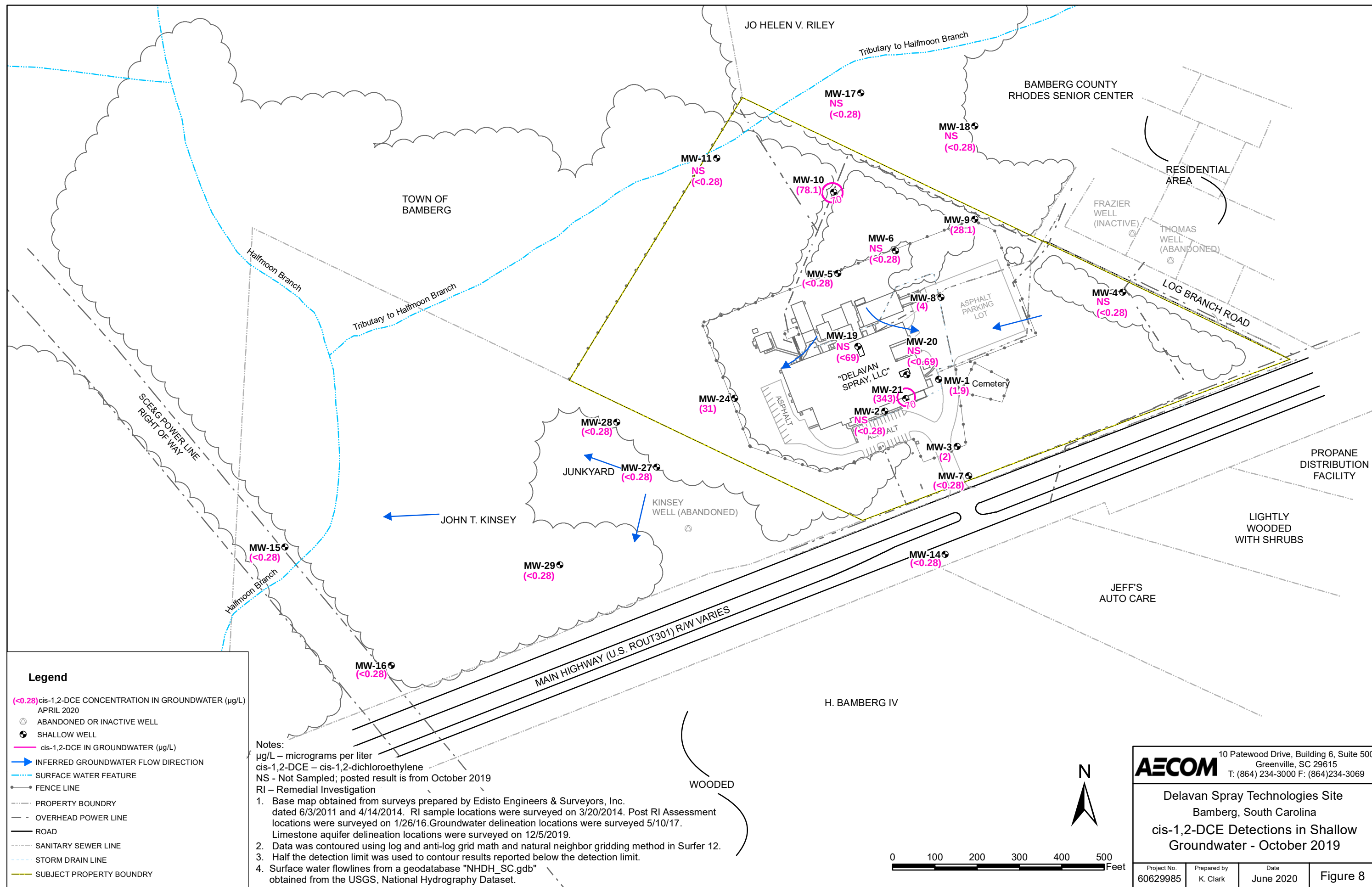
- Base map obtained from surveys prepared by Edisto Engineers & Surveyors, Inc. (dated 6/3/2011 and 4/14/2014) and from Work Plan maps provided by H&H (August 2013).
- 2012 sample locations were surveyed on 8/28/2012 and RI sample locations were surveyed on 3/20/2014. Post RI assessment locations were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

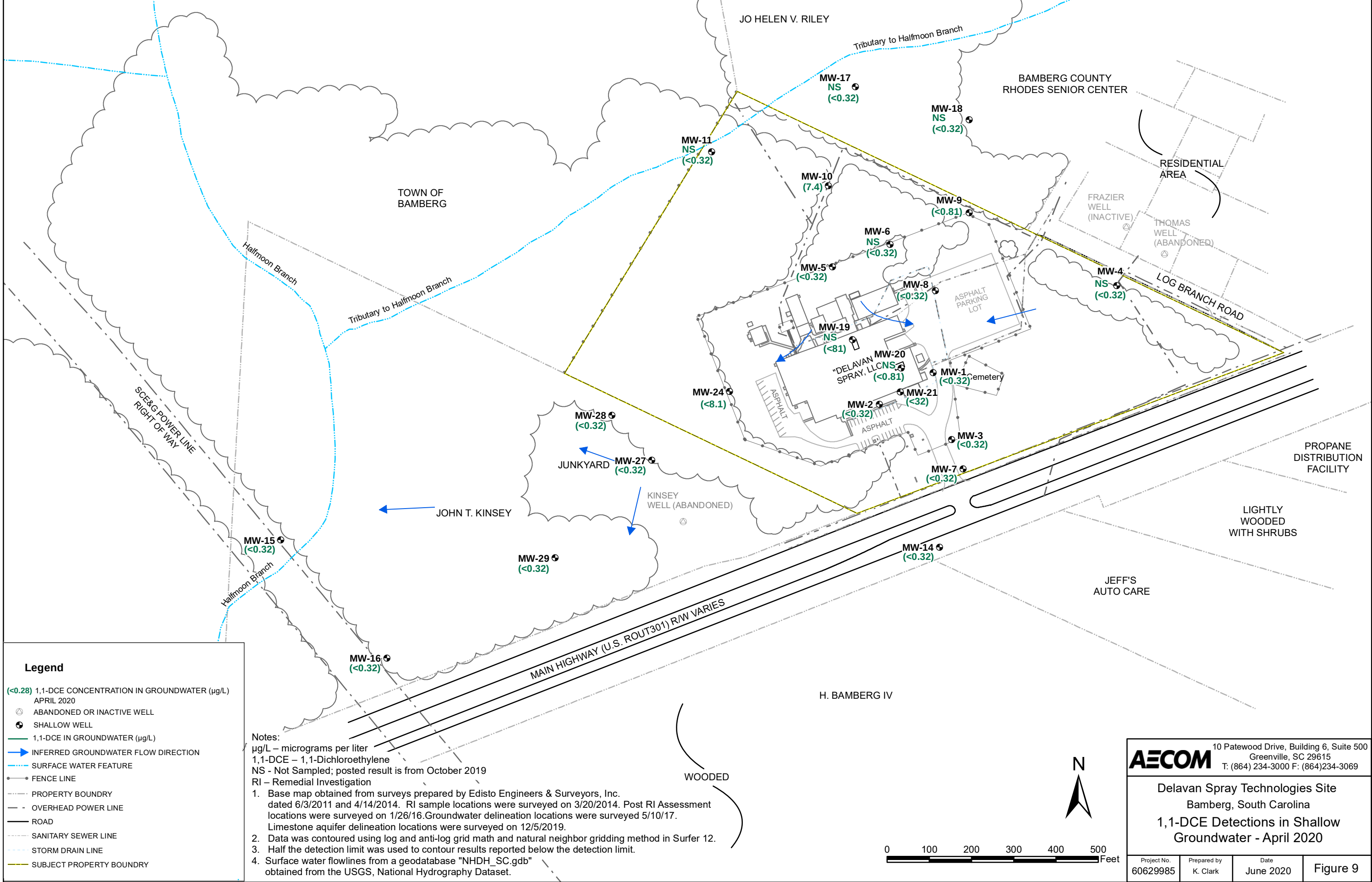


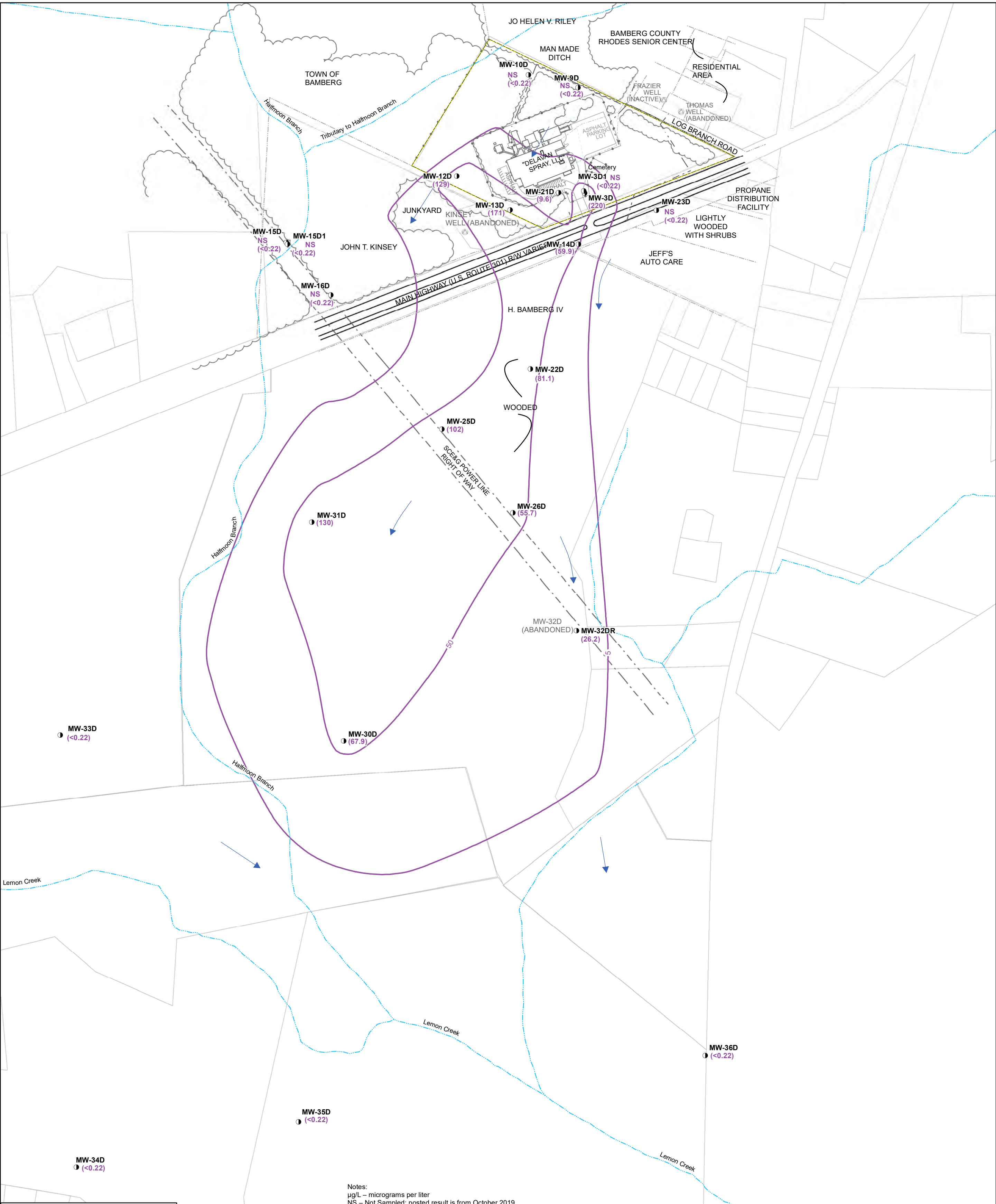
AECOM 10 Patewood Drive, Building 6, Suite 500 Greenville, SC 29615 T: (864) 234-3000 F: (864) 234-3069			
Delavan Spray Technologies Site Bamberg, South Carolina Deep Potentiometric Map April 2020			
Project No. 60629985	Prepared by K. Clark	Date June 2020	Figure 5











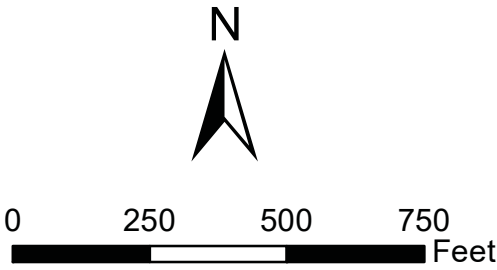
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(**<0.22**) PCE CONCENTRATION IN GROUNDWATER (µg/L)
APRIL 2020

○ ABANDONED OR INACTIVE WELL
● DEEP WELL
— PCE 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
NS – Not Sampled; posted result is from October 2019
RI - Remedial Investigation
PCE – tetrachloroethylene

1. 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.
2. Data was contoured using log and anti-log grid math and natural neighbor gridding method in Surfer 12.
3. Half the detection limit was used to contour results reported below the detection limit.
4. 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

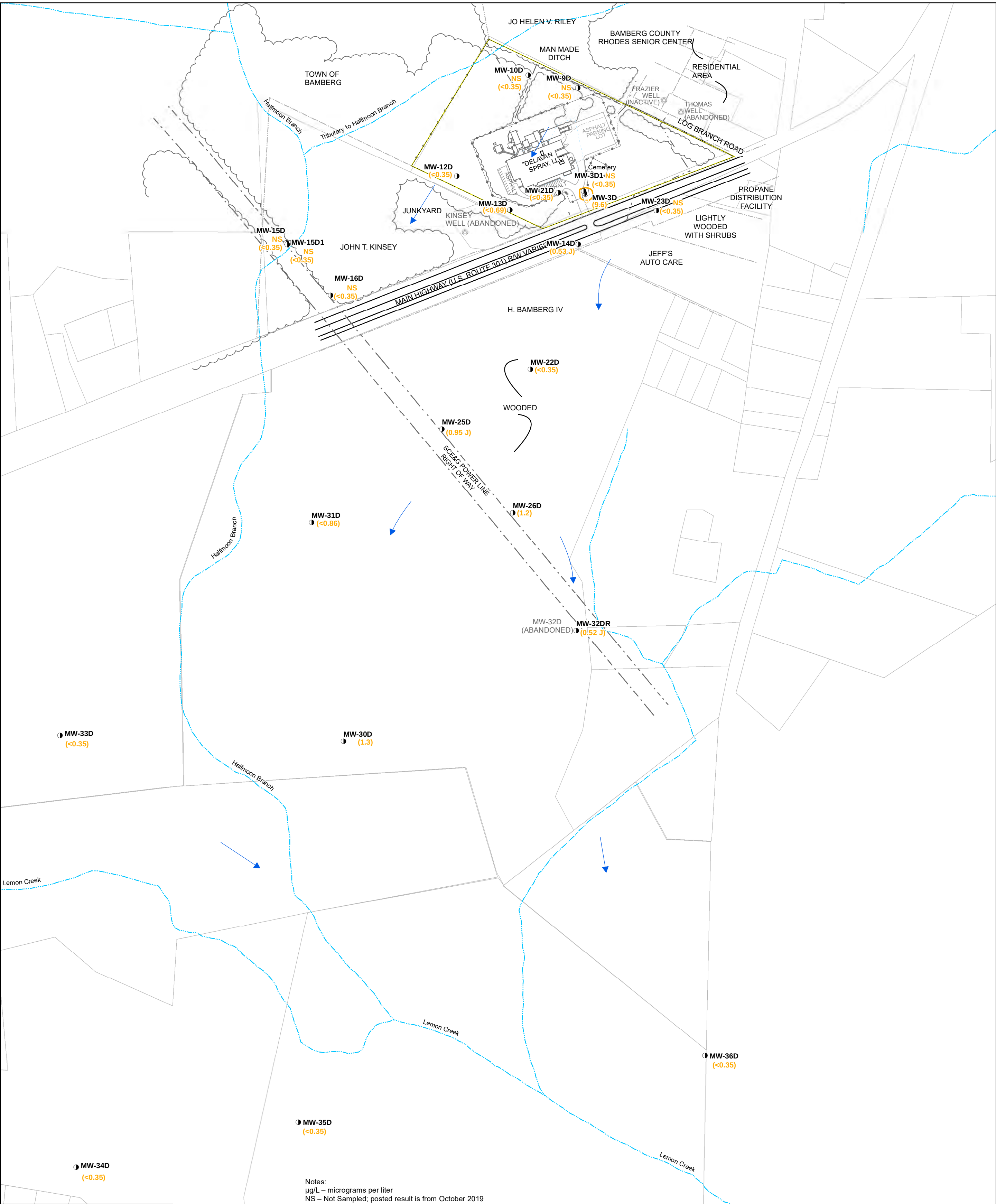
PCE Detections in Deeper
Groundwater - April 2020

Project No.
60629985

Prepared by
K.Clark

Date
June 2020

Figure 10



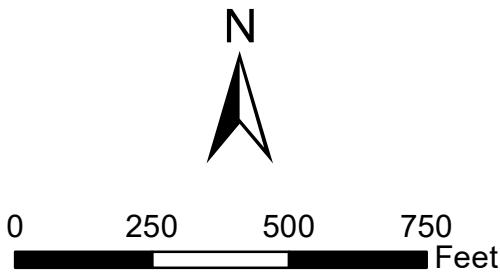
Legend

(**<0.22**) TCE CONCENTRATION IN GROUNDWATER (µg/L)
APRIL 2020

- ABANDONED OR INACTIVE WELL
- 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
NS – Not Sampled; posted result is from October 2019
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.
- 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.



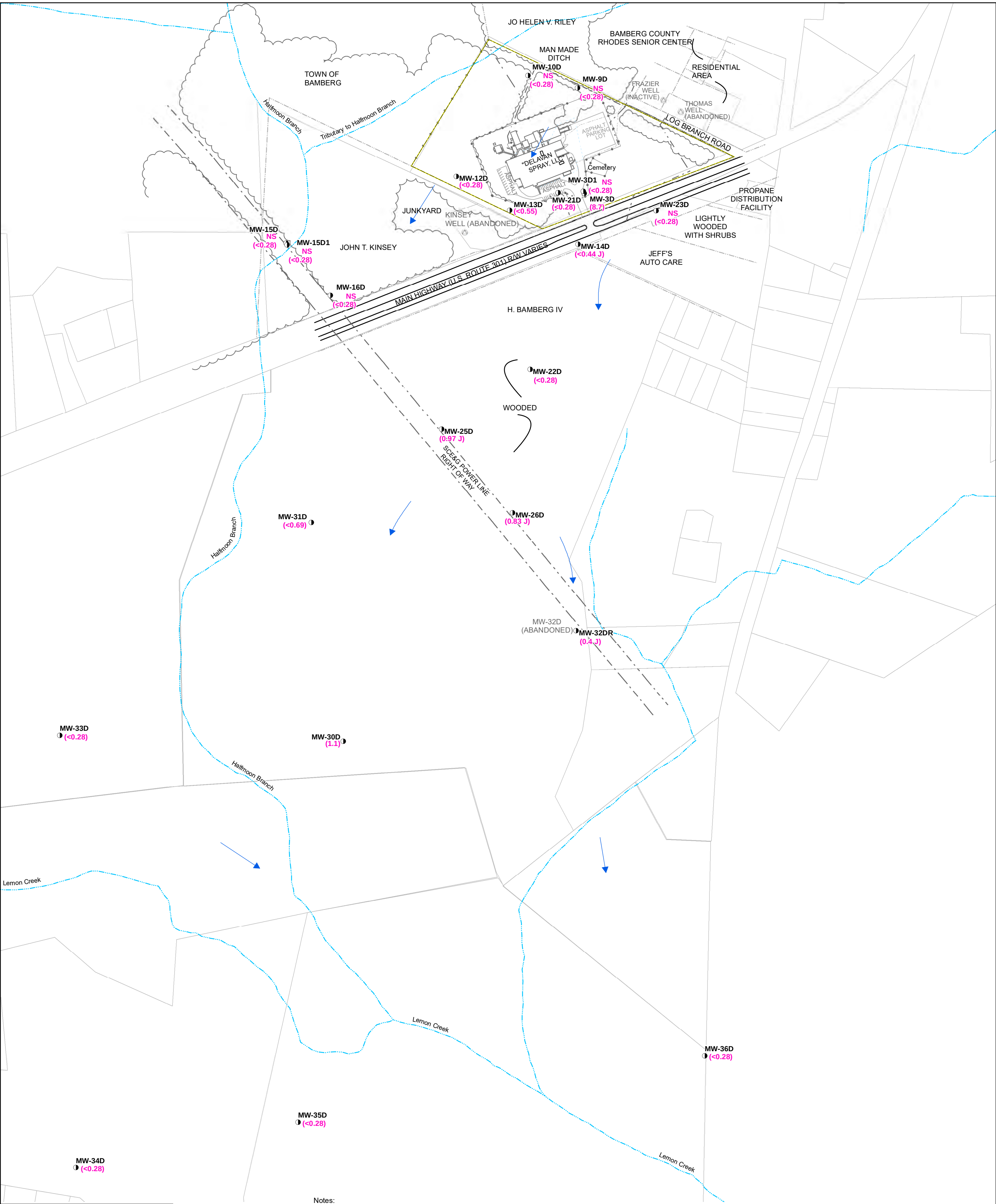
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Delavan Spray Technologies Site
Bamberg, South Carolina

**TCE Detections in Deeper
Groundwater - April 2020**

Project No. 60629985	Prepared by K. Clark	Date June 2020	Figure 11
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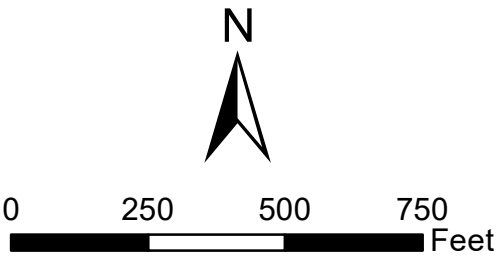
Legend

(**<0.28**) PCE CONCENTRATION IN GROUNDWATER (µg/L) OCTOBER 2019

- ABANDONED OR INACTIVE WELL
- DEEP WELL
- 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:
NS - Not Sampled; posted result is from October 2019
µg/L - micrograms per liter
MCL - maximum contaminant level
RI - Remedial Investigation

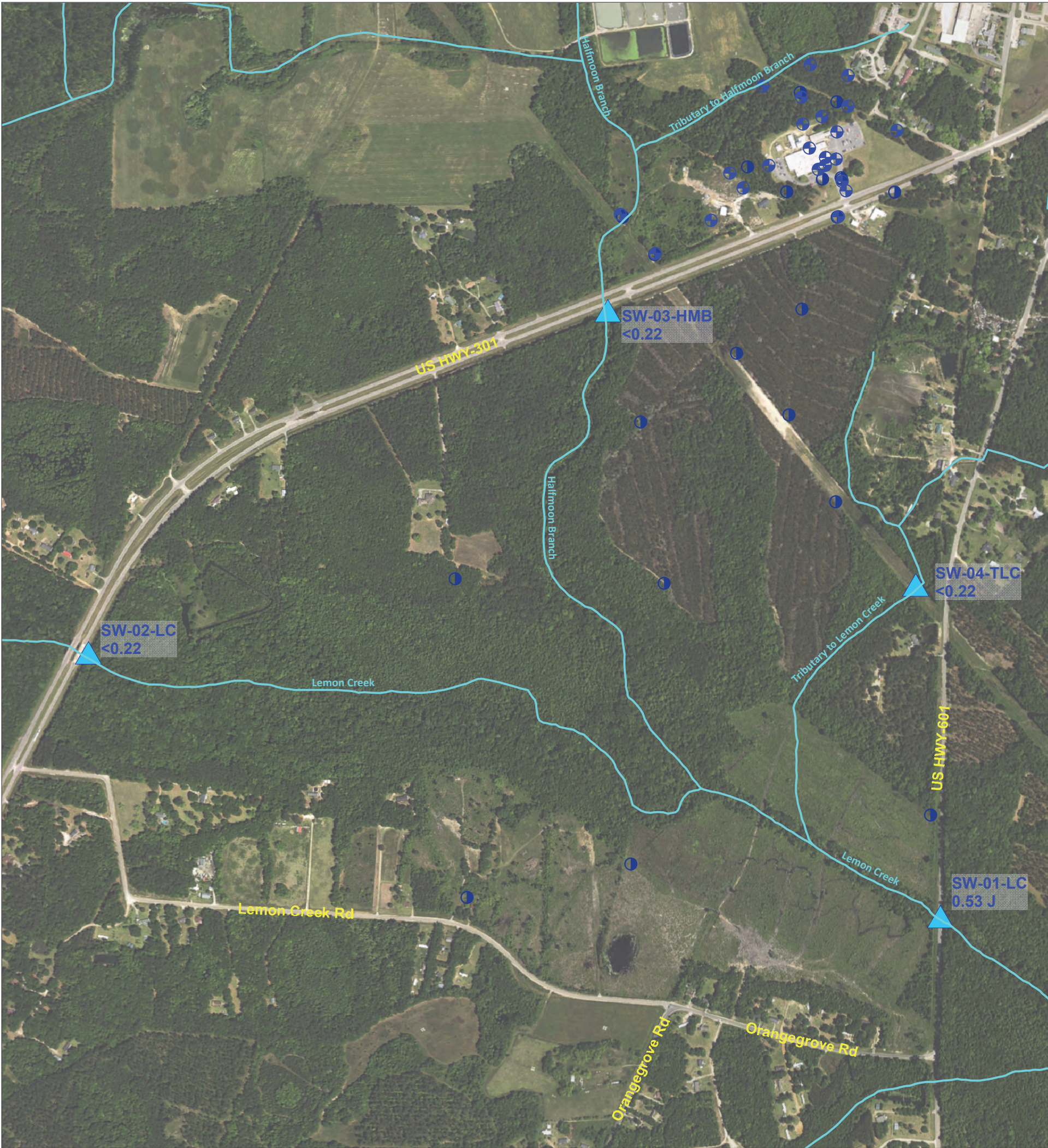
- Base map obtained from surveys prepared by Edisto Engineers & Surveyors, Inc. dated 6/3/2011 and 4/14/2014. RI sample locations were surveyed on 3/20/2014. Post RI assessment locations were surveyed on 1/26/2016. Groundwater delineation locations were surveyed 5/10/17. Limestone aquifer delineation locations were surveyed on 12/5/2019.
- No contours - all concentrations are less than the MCL.
- Surface water flowlines from a geodatabase "NHDH_SC.gdb" obtained from the USGS, National Hydrography Dataset.



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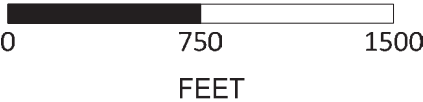
Delavan Spray Technologies Site
Bamberg, South Carolina
**cis-1,2-DCE Detections in Deeper
Groundwater - April 2020**

Project No. 60629985	Prepared by K. Clark	Date June 2020	Figure 12
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LEGEND

-  Surface Water Sample Location
-  PCE Concentration in Surface Water - April 2020
-  Shallow Monitoring Well Location
-  Deep Monitoring Well Location
-  Surface Water



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Delavan Spray Technologies Site Bamberg, South Carolina			
PCE Detections in Surface Water April 2020			
Project No. 60629985	Prepared by L. Alexander	Date July 2020	Figure 13

TABLES

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	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	74.01	--	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	79.40	--	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	74.18	--	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	63.91	--	53.99 - 63.92	Deeper Limestone	128.57	130.93	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	74.01	--	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	79.40	--	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	74.18	--	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	63.91	--	53.99 - 63.92	Deeper Limestone	128.57	130.93	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	74.01	--	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	79.40	--	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	74.18	--	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	63.91	--	53.99 - 63.92	Deeper Limestone	128.57	130.93	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	
							Depth to Water (ft btoc)	Elevation (ft msl)	Depth to Water (ft btoc)	Elevation (ft msl)	Depth to Water (ft btoc)	Elevation (ft msl)	Depth to Water (ft btoc)	Elevation (ft msl)	Depth to Water (ft btoc)	Elevation (ft msl)	Depth to Water (ft btoc)	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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	NA	NA
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	NA	NA
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
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
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
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
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
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
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
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
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
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
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
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
MW-32D	60	--	50 - 60	Deeper Limestone	139.14	138.92	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	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
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
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
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
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

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

Notes:

bgs = below ground surface; btoc - below top of casing; H&H - Hart & Hickman; NI = Not Installed; NA = Not Applicable

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.
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

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)	Ferrous Iron (mg/L)
MW-1	4.55	0.030	20.3	6.57	5.12	263.2	NM
MW-2	NS	NS	NS	NS	NS	NS	NM
MW-3	5.35	0.022	19.7	3.46	5.49	63.0	NM
MW-3D	7.70	0.236	20.6	2.31	3.26	62.6	NM
MW-3D1	NS	NS	NS	NS	NS	NS	NM
MW-4	NS	NS	NS	NS	NS	NS	NM
MW-5	5.35	0.020	18.6	4.18	7.06	56.3	NM
MW-6	NS	NS	NS	NS	NS	NS	NM
MW-7	5.81	0.020	19.8	6.70	7.46	24.0	NM
MW-8	4.54	0.065	22.1	1.95	3.98	259.8	NM
MW-9	4.45	0.032	17.3	11.98	2.91	223.4	NM
MW-9D	NS	NS	NS	NS	NS	NS	NM
MW-10	4.88	0.025	16.6	2.42	2.42	297.2	NM
MW-10D	NS	NS	NS	NS	NS	NS	NM
MW-11	NS	NS	NS	NS	NS	NS	NM
MW-12D	10.39	0.231	19.0	4.48	4.01	7.9	NM
MW-13D	7.79	0.231	18.5	1.81	5.15	112.0	NM
MW-14	4.55	0.020	18.2	3.42	6.51	216.9	NM
MW-14D	7.52	0.231	19.3	2.34	0.57	49.2	NM
MW-15	4.90	0.373	18.2	8.10	0.36	70.1	NM
MW-15D	NS	NS	NS	NS	NS	NS	NM
MW-15D1	NS	NS	NS	NS	NS	NS	NM
MW-16	4.68	0.030	16.8	18.06	0.47	101.6	NM
MW-16D	NS	NS	NS	NS	NS	NS	NM
MW-17	NS	NS	NS	NS	NS	NS	NM
MW-18	NS	NS	NS	NS	NS	NS	NM
MW-19	NS	NS	NS	NS	NS	NS	NM
MW-20	NS	NS	NS	NS	NS	NS	NM
MW-21	4.60	0.019	20.3	2.17	0.92	214.7	NM
MW-21D	8.22	0.240	20.3	0.80	2.54	54.9	NM
MW-22D	7.59	0.270	24.0	0.31	3.16	84.3	NM
MW-23D	NS	NS	NS	NS	NS	NS	NM
MW-24	5.36	0.025	18.0	4.23	5.63	70.6	NM
MW-25D	7.62	0.268	21.2	3.29	2.64	81.8	NM
MW-26D	7.45	0.269	22.0	0.93	2.23	69.8	NM
MW-27	4.63	0.038	21.5	2.93	4.54	140.5	NM
MW-28	6.70	0.189	22.0	7.22	1.86	58.9	NM
MW-29	5.35	0.042	21.9	2.72	1.21	102.5	NM
MW-30D	7.62	0.266	20.0	17.61	4.78	41.5	NM
MW-31D	7.77	0.253	20.0	3.76	3.86	69.4	NM
MW-32D	Abandoned						
MW-32DR	7.51	0.276	20.6	1.51	1.70	71.2	NM
MW-33D	7.86	0.236	20.6	2.11	3.54	69.1	0.00
MW-34D	8.93	0.348	17.7	9.80	1.07	17.9	0.36
MW-35D	7.91	0.233	18.0	1.45	3.32	33.3	0.18
MW-36D	7.50	0.297	18.1	2.30	0.32	-151.1	1.42

Notes:

°C - degrees Celsius

mS/cm - milliSiemens per centimeter

ORP - oxidation-reduction potential

NS - not sampled

S.U. - standard units

mg/L - milligrams per liter

mV - millivolts

NM - not measured

NTUs - Nephelometric Turbidity Units

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

Well No.	Constituent	1,1,1-TCA	1,1-DCE	Carbon disulfide	Chloroform	cis-1,2-DCE	PCE	TCE
	MCL	200	7	NS	80	70	5	5
	Sample Date							
MW-1	4/15/2020	<0.25	<0.32	<0.53	<0.3	1.9	111	1.2
MW-3	4/15/2020	<0.25	<0.32	<0.53	<0.3	2	122 E	1.8
MW-3D	4/15/2020	<0.62	4.8	<1.3	<0.75	8.7	220	9.6
MW-5	4/15/2020	<0.25	<0.32	<0.53	<0.3	<0.28	1.9	<0.35
MW-7	4/15/2020	<0.25	<0.32	<0.53	<0.3	<0.28	<0.22	<0.35
MW-8	4/15/2020	<0.25	<0.32	<0.53	<0.3	4	346	31
MW-9	4/15/2020	<0.62	<0.81	<1.3	<0.75	28.1	402 /M/m	97.4 /M/m
MW-10	4/15/2020	<0.25	7.4	<0.53	<0.3	78.1	70.3	32.8
MW-12D	4/14/2020	<0.25	1.6	<0.53	<0.3	<0.28	129	<0.35
MW-13D	4/15/2020	0.61 J	3.6	<1.1	<0.6	<0.55	171	<0.69
MW-14	4/15/2020	<0.25	<0.32	<0.53	<0.3	<0.28	<0.22	<0.35
MW-14D	4/15/2020	<0.25	0.95 J	<0.53	<0.3	0.44 J	59.9	0.53 J
MW-15	4/14/2020	<0.25	<0.32	<0.53	<0.3	<0.28	<0.22	<0.35
MW-16	4/15/2020	<0.25	<0.32	<0.53	<0.3	<0.28	<0.22	<0.35
MW-21	4/15/2020	<25	<32	<53	<30	343	17600	181
MW-21D	4/15/2020	<0.25	<0.32	<0.53	<0.3	<0.28	9.6	<0.35
MW-22D	4/14/2020	<0.25	1.4	<0.53	<0.3	<0.28	81.1	<0.35
MW-24	4/15/2020	<6.2	<8.1	<13	<7.5	31	2170	<8.6
MW-25D	4/14/2020	<0.5	2.4	<1.1	<0.6	0.97 J	102	0.95 J
MW-26D	4/14/2020	<0.25	1.3	<0.53	<0.3	0.83 J	55.7	1.2
MW-27	4/14/2020	<0.25	<0.32	<0.53	<0.3	<0.28	<0.22	<0.35
MW-28	4/14/2020	<0.25	<0.32	<0.53	<0.3	<0.28	<0.22	<0.35
MW-29	4/14/2020	<0.25	<0.32	<0.53	<0.3	<0.28	<0.22	<0.35
MW-30D	4/14/2020	<0.25	1.2	<0.53	<0.3	1.1	67.9	1.3
MW-31D	4/14/2020	<0.62	3.2	<1.3	<0.75	<0.69	130	<0.86
MW-32DR	4/14/2020	<0.25	0.62 J	<0.53	<0.3	0.4 J	26.2	0.52 J
MW-33D	4/14/2020	<0.25	<0.32	22.4	0.51 J	<0.28	<0.22	<0.35
MW-34D	4/15/2020	<0.25	<0.32	<0.53	<0.3	<0.28	<0.22	<0.35
MW-35D	4/15/2020	<0.25	<0.32	<0.53	<0.3	<0.28	<0.22	<0.35
MW-36D	4/15/2020	<0.25	<0.32	<0.53	<0.3	<0.28	<0.22	<0.35
SW-01-LC	4/15/2020	<0.25	<0.32	<0.53	<0.3	<0.28	0.53 J	<0.35
SW-02-LC	4/15/2020	<0.25	<0.32	<0.53	<0.3	<0.28	<0.22	<0.35
SW-03-HMB	4/15/2020	<0.25	<0.32	<0.53	<0.3	<0.28	<0.22	<0.35
SW-04-TLC	4/15/2020	<0.25	<0.32	<0.53	<0.3	<0.28	<0.22	<0.35

Notes:

µg/L - micrograms per liter

1,1,1-TCA - 1,1,1-Trichloroethane

1,1-DCE - 1,1-Dichloroethylene

cis-1,2-DCE - cis-1,2-Dichloroethylene

MCL - maximum contaminant level

NA - Not available/not analyzed

NS - No standard

PCE - Tetrachloroethylene

TCE - Trichloroethylene

All results are shown in µg/L.

Results shown are for detected compounds only. Please see Appendix B for complete analytical results.

Bolded and shaded results exceed their respective MCL.

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 established criteria.

/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.

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 FA74279-36 04/15/20	SW-02-LC FA74279-38 04/15/20	SW-03-HMB FA74279-39 04/15/20	SW-04-TLC FA74279-37 04/15/20
Volatile Organic Compounds by Method 8260D (µg/L)						
1,1,1-Trichloroethane	200	—	< 0.25	< 0.25	< 0.25	< 0.25
1,1,1,2-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	< 0.59	< 0.59	< 0.59	< 0.59
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	0.53 J/I	< 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
Analytical Results for Investigation-Derived Waste Samples
Delavan Spry Technologies Site
Bamberg, South Carolina

Sample ID Lab Sample ID Date Collected	USEPA Toxicity Characteristic	AQUEOUS IDW FA74279-40/FA74304-1 04/15/20
Volatile Organic Compounds by Method 8260D (µg/L)		
1,1,1-Trichloroethane	—	< 0.5
1,1,2,2-Tetrachloroethane	—	< 0.6
1,1,2-Trichloroethane	—	< 0.93
1,1-Dichloroethane	—	< 0.68
1,1-Dichloroethylene	700	< 0.64
1,2-Dichloroethane	500	< 0.62
1,2-Dichloropropane	—	< 0.85
2-Butanone (MEK)	200,000	< 4
2-Hexanone	—	< 4
4-Methyl-2-pentanone (MIBK)	—	< 2
Acetone	—	45.7 J//
Benzene	500	< 0.62
Bromodichloromethane	—	< 0.48
Bromoform	—	< 0.81
Carbon Disulfide	—	< 1.1
Carbon Tetrachloride	500	< 0.71
Chlorobenzene	100,000	< 0.4
Chloroethane	—	< 3.3
Chloroform	6,000	< 0.6
cis-1,2-Dichloroethylene	—	6
cis-1,3-Dichloropropene	—	< 0.58
Dibromochloromethane	—	< 0.55
Ethylbenzene	—	< 0.71
Methyl Bromide	—	< 2.9
Methyl Chloride	—	< 1
Methylene Chloride	—	< 4
Styrene	—	< 0.44
Tetrachloroethylene	700	181
Toluene	—	< 0.6
trans-1,2-Dichloroethylene	—	< 0.44
trans-1,3-Dichloropropene	—	< 0.43
Trichloroethylene	500	4.7
Vinyl Chloride	200	< 0.82
Xylene (total)	—	< 1.4
Semivolatile Organic Compounds by Method 8270E (µg/L)		
1,2,4-Trichlorobenzene	—	< 1.1
1,2-Dichlorobenzene	—	< 0.5
1,3-Dichlorobenzene	—	< 0.5
1,4-Dichlorobenzene	7,500	< 0.5
2,2'-Oxybis(1-chloropropane)	—	< 0.76
2,4,5-Trichlorophenol	400,000	< 0.74
2,4,6-Trichlorophenol	2,000	< 0.75
2,4-Dichlorophenol	—	< 0.84
2,4-Dimethylphenol	—	< 0.74
2,4-Dinitrophenol	—	< 5
2,4-Dinitrotoluene	130	< 0.81
2,6-Dinitrotoluene	—	< 0.71
2-Chloronaphthalene	—	< 0.5
2-Chlorophenol	—	< 0.63
2-Methylnaphthalene	—	< 0.6
2-Methylphenol	200,000	< 0.56
2-Nitroaniline	—	< 1.8
2-Nitrophenol	—	< 0.85
3&4-Methylphenol	200,000	< 0.98
3,3'-Dichlorobenzidine	—	< 0.64
3-Nitroaniline	—	< 0.88
4,6-Dinitro-o-cresol	—	< 2
4-Bromophenyl Phenyl Ether	—	< 0.85
4-Chloro-3-methyl Phenol	—	< 0.59
4-Chloroaniline	—	< 0.63
4-Chlorophenyl Phenyl Ether	—	< 0.54
4-Nitroaniline	—	< 1.2

Table 6
Analytical Results for Investigation-Derived Waste Samples
Delavan Spry Technologies Site
Bamberg, South Carolina

Sample ID Lab Sample ID Date Collected	USEPA Toxicity Characteristic	AQUEOUS IDW FA74279-40/FA74304-1 04/15/20
Semivolatile Organic Compounds by Method 8270E (µg/L)		
4-Nitrophenol	—	< 5
Acenaphthene	—	< 0.63
Acenaphthylene	—	< 0.64
Anthracene	—	< 0.8
Benzo(a)anthracene	—	< 0.76
Benzo(a)pyrene	—	< 0.78
Benzo(b)fluoranthene	—	< 0.78
Benzo(g,h,i)perylene	—	< 0.82
Benzo(k)fluoranthene	—	< 0.86
Benzoic Acid	—	< 10
Benzyl Alcohol	—	< 0.61
bis(2-Chloroethoxy)methane	—	< 0.81
bis(2-Chloroethyl)ether	—	< 0.73
bis(2-Ethylhexyl)phthalate	—	< 1
Butyl Benzyl Phthalate	—	< 1
Carbazole	—	< 0.6
Chrysene	—	< 0.85
Di-n-butyl Phthalate	—	< 1
Di-n-octyl Phthalate	—	< 1
Dibenzo(a,h)anthracene	—	< 0.8
Dibenzofuran	—	< 0.6
Diethyl Phthalate	—	< 1
Dimethyl Phthalate	—	< 1
Fluoranthene	—	< 0.55
Fluorene	—	< 0.7
Hexachlorobenzene	130	< 0.69
Hexachlorobutadiene	500	< 0.5
Hexachlorocyclopentadiene	—	< 1.8
Hexachloroethane	3,000	< 1.6
Indeno(1,2,3-cd)pyrene	—	< 0.71
Isophorone	—	< 0.78
N-Nitrosodi-n-propylamine	—	< 0.67
N-Nitrosodiphenylamine	—	< 0.81
Naphthalene	—	< 0.5
Nitrobenzene	2,000	< 0.93
Pentachlorophenol	100,000	< 5
Phenanthrene	—	< 0.86
Phenol	—	< 0.5
Pyrene	—	< 0.68
Metals by Method 6010D/7470A (µg/L)		
Antimony	—	< 1
Arsenic	5,000	< 1.3
Beryllium	—	< 0.2
Cadmium	1,000	< 0.2
Chromium	5,000	4.6 J
Copper	—	7.6 J
Lead	5,000	< 1.1
Mercury	200	< 0.03
Nickel	—	2.4 J
Selenium	1,000	< 2.9
Silver	5,000	< 0.7
Thallium	—	< 1.4
Zinc	—	59.8

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

Field Duplicate Samples						
Sample ID Lab Sample ID Date Collected	MW-14D FA74279-24 04/15/20	MW-14D-A FA74279-25 04/15/20	Relative Percent Difference	MW-22D FA74279-12 04/14/20	MW-22D-DUP FA74279-13 04/14/20	Relative Percent Difference
Volatile Organic Compounds by Method 8260D (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	0.95 J//	0.97 J//	NC	1.4	1.3	7.4
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	0.44 J//	0.41 J//	NC	< 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	< 0.59	< 0.59	NC	< 0.59	< 0.59	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	59.9	54.7	9.1	81.1	81.2	0.1
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	0.53 J//	0.54 J//	NC	< 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

Field Duplicate Samples			
Sample ID Lab Sample ID Date Collected	MW-32DR FA74279-7 04/14/20	MW-32DR-DUP FA74279-8 04/14/20	Relative Percent Difference
Volatile Organic Compounds by Method 8260D (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	0.62 J//	0.61 J//	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	0.4 J//	0.38 J//	NC
cis-1,3-Dichloropropene	< 0.29	< 0.29	NC
Dibromochloromethane	< 0.28	< 0.28	NC
Ethylbenzene	< 0.36	< 0.36	NC
Methyl Bromide	< 0.59	< 0.59	NC
Methyl Chloride	< 0.5	< 0.5	NC
Methylene Chloride	< 2	< 2	NC
Styrene	< 0.22	< 0.22	NC
Tetrachloroethylene	26.2	25.2	3.9
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	0.52 J//	0.52 J//	NC
Vinyl Chloride	< 0.41	< 0.41	NC
Xylene (total)	< 0.72	< 0.72	NC

Notes:

-A - 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

Trip Blank Samples		
Sample ID Lab Sample ID Date Collected	TRIP BLANK 1 FA74279-1 04/14/20	TRIP BLANK 2 FA74279-2 04/14/20
Volatile Organic Compounds by Method 8260D (µg/L)		
1,1,1-Trichloroethane	< 0.25	< 0.25
1,1,2,2-Tetrachloroethane	< 0.3	< 0.3
1,1,2-Trichloroethane	< 0.47	< 0.47
1,1-Dichloroethane	< 0.34	< 0.34
1,1-Dichloroethylene	< 0.32	< 0.32
1,2-Dichloroethane	< 0.31	< 0.31
1,2-Dichloropropane	< 0.43	< 0.43
2-Butanone (MEK)	< 2	< 2
2-Hexanone	< 2	< 2
4-Methyl-2-pentanone (MIBK)	< 1	< 1
Acetone	< 10	< 10
Benzene	< 0.31	< 0.31
Bromodichloromethane	< 0.24	< 0.24
Bromoform	< 0.41	< 0.41
Carbon Disulfide	< 0.53	< 0.53
Carbon Tetrachloride	< 0.36	< 0.36
Chlorobenzene	< 0.2	< 0.2
Chloroethane	< 0.67	< 0.67
Chloroform	< 0.3	< 0.3
cis-1,2-Dichloroethylene	< 0.28	< 0.28
cis-1,3-Dichloropropene	< 0.29	< 0.29
Dibromochloromethane	< 0.28	< 0.28
Ethylbenzene	< 0.36	< 0.36
Methyl Bromide	< 0.59	< 0.59
Methyl Chloride	< 0.5	< 0.5
Methylene Chloride	< 2	< 2
Styrene	< 0.22	< 0.22
Tetrachloroethylene	< 0.22	< 0.22
Toluene	< 0.3	< 0.3
trans-1,2-Dichloroethylene	< 0.22	< 0.22
trans-1,3-Dichloropropene	< 0.21	< 0.21
Trichloroethylene	< 0.35	< 0.35
Vinyl Chloride	< 0.41	< 0.41
Xylene (total)	< 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>
E	Indicates value exceeds calibration range.
J	Estimated concentration above the method detection limit and below the reporting limit.

Result Data Qualifiers

<u>Qualifier</u>	<u>Description</u>
M	A matrix effect was present.

Analysis Data Qualifiers

<u>Qualifier</u>	<u>Description</u>
m	Matrix spike recovery below established criteria.

APPENDIX A

FIELD DOCUMENTATION

Water Level Data Summary

Task Hazard Assessments

Equipment Calibration Logs

Chain-of-Custody Forms

Field Data Logs for Groundwater Sampling

Field Data Logs for Surface Water/Sediment Sampling

IDW Management Form

Daily Logbook Entries

WATER LEVEL DATA SUMMARY

4.

PROJECT: UTC Delavan Spray Technologies Site

JOB NUMBER:

LOCATION: Bamberg, South Carolina

DATE: 4-14-2020

CLIENT: UTC

MEASURED BY: Randy Morgan

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				11.09	
MW-2				9.69	
MW-3				12.98	
MW-3D				13.65	
MW-3D1				13.44	
MW-4				5.98	
MW-5				6.37	
MW-6				3.78	
MW-7				13.07	
MW-8				10.31	
MW-9				5.13	
MW-9D				9.11	
MW-10				3.83	
MW-10D				6.94	
MW-11				5.95	
MW-12D				13.25	
MW-13D				11.92	
MW-14				10.88	
MW-14D				12.60	
MW-15				2.88	
MW-15D				1.80	
MW-15D1				1.93	
MW-16				2.54	
MW-16D				4.67	
MW-17				2.81	
MW-18				9.68	

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: 60578249.01

LOCATION: Bamberg, South Carolina DATE: 4.14.20

CLIENT: UTC MEASURED BY: Randy Morgan

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				—	(No Access in Bldg)
MW-20				—	(No Access in Bldg)
MW-21				11.46	
MW-21D				12.42	
MW-22D				11.83	
MW-23D				13.70	
MW-24				12.96	
MW-25D				9.86	
MW-26D				5.24	
MW-27				6.84	
MW-28				11.53	
MW-29				6.15	
MW-30D				4.72	
MW-31D				8.61	
MW-32DR				6.49	
MW-33D				12.77	
MW-34D				13.68	
MW-35D				11.68	
MW-36D				2.15	

Notes:

BTOC - Below Top of Casing

MSL - Mean Sea Level

TOC - Top of Casing

LLMH - Lower Lip of Man Hole

Task Hazard Assessment

Task Name: Field and Field Office – Precautions for Coronavirus	Control #: Rev #1 (3/23/20)
--	------------------------------------

Project Name: UTC Delavan	Client: UTC	Date: 04/07/2020
Permits Required? (list): N/A	Work Location: N/A	

This THA must be fully reviewed with all staff members. All job steps, hazards, work practices, and PPE are clearly understood and have been implemented. All necessary revisions have been written on the THA.

Required PPE:	☐ Hard Hat ☒ Safety Glasses ☒ HIVis Vest ☒ Safety Toe Boots ☒ Gloves ☐ Disposable ☐ Hearing Protection ☒ Other: See below
Tools & Equipment:	Potable water and soap (preferable) or hand sanitizer w/ 60% alcohol Disinfectant spray <u>List of Cleaning Products to Kill Coronavirus</u> Paper towels Disinfectant wipes Tissues Nitrile gloves Safety glasses or goggles

REMINDER: Use 4-Sight at the start of, and continuously throughout the job/task to identify additional and/or hazards to act on!

Job Steps <i>List all steps required to perform a task in the sequence they are performed</i>	Potential Hazards <i>How could you be hurt? What would the injury be?</i>	Risk <i>(Initial)</i>	Critical Actions To Mitigate Hazards <i>List control measures required to eliminate, control or protect against the potential hazards associated with each job step to minimize the risk of injury or environmental impact. Identify any 'Stop Work' triggers.</i>	Risk <i>(final)</i>
1. Driving To and From Site	1a. Being in an enclosed space with poor air circulation in close contact with other people. 1b. Touching contaminated surfaces in vehicle.	15	1a. Drive separately when possible. Minimize number of people in one vehicle. Avoid renting vehicles if possible. Use personal vehicles or company truck when possible. If personal vehicles are used, they must be in good condition and fit for purpose. If sharing a vehicle occurs, roll down the windows to let air circulate. For projects of multiple days duration, plan on traveling home rather than staying in a hotel if this can be done in accordance with AECOM's fatigue management plan. Where possible, employees are encouraged to pack meals and snacks as needed for the project duration and avoid visiting stores and restaurants. If necessary, modify your schedule to avoid restaurants and public restrooms during peak, i.e., crowded, periods to minimize contact with the public. Use drive-through service for food pick-up if available. 1b. Use disinfectant to wipe down all "touch point" surfaces in vehicle, including door handles, steering wheel, controls on dash, and any other parts of the cab you may touch. Do this at least daily. Do not touch face while driving. Wash hands before and after driving. Wear disposable, nitrile gloves while driving. Use a new pair at the start of each driving period and when appropriate. Have antibacterial and wipes in vehicles and accessible at all times.	4
On-Site Edits:				

Task Hazard Analysis

Task Name: General Field Work and Office Work	Control #: Error! Reference source not found.
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2. General Field Work	2a. Working Around Others	15	2a. Personnel shall maintain at least 6-foot distance from each other. Practice social distancing at tailgate meetings and in break rooms and job trailers. Limit the number of people in job trailers and other confined areas at any one time so that this distance can be maintained. If possible, hold meetings outside. If indoors, open window(s) for circulation. Wipe down window handles prior to opening and use gloves to open. Clean hands often with soap and water for at least 20 seconds after using the restroom, after you have been in a public place, before and after eating or after blowing your nose, coughing, or sneezing. If soap and water are not readily available, use a hand sanitizer that contains at least 60% alcohol. Cover all surfaces of your hands, including around and under fingernails, and rub them together until they feel dry. Wear safety glasses and gloves to avoid contact and to avoid touching face, eyes, nose, and mouth. Cover your mouth and nose with a tissue when you cough or sneeze or use the inside of your elbow. Throw used tissues in the trash. Immediately wash or sanitize your hands. If entering personal residences, prepare a project-specific THA. practice social distancing at the door and ask if anyone in the household is showing signs or symptoms of illness. Ask the resident if they are comfortable with the field samplers coming to their home at this time. Field samplers have the right to leave the premises if they see signs and symptoms of illness in any of the residents. Take extra precautions, i.e., don nitrile gloves before exiting the field vehicle, ask residents to open /close doors, don new gloves when sampling, remove gloves prior to getting back into the vehicle and use hand sanitizer/wipes. 2b. Wipe down and disinfect equipment before use with soap or alcohol wipes. Wear disposable gloves when handling tools or equipment, and replace them regularly, especially before eating or drinking. 2c. Be sure to wash hands with soap whenever a bathroom is nearby. At minimum, do so during bathroom and lunch breaks. Use a paper towel to door handle when exiting bathroom. If using outside toilet facilities (i.e. Porta Johns), wear nitrile prior to using the toilet and doff and dispose of in a trash receptacle when finished. Use hand sanitizer after you dispose of the gloves. Where possible, employees are encouraged to pack meals and snacks as needed for the project duration and avoid visiting stores and restaurants. If necessary, modify your schedule to avoid restaurants and public restrooms during peak, i.e., crowded, periods to minimize contact with the public. Use drive-through service for food pick-up if available. When eating lunch as a group, try to do so outside or in a space with windows open (wipe down windows prior to opening and use gloves to open). Maintain a distance of 6 feet and do not share dishes (e.g., bag of chips, communal salad bowl, etc.) Refrain from sharing a field office coffee pot. 2d. Where logistically feasible, if a project extends beyond a day's duration, plan on traveling home rather than staying in a hotel if this can be done within AECOM's fatigue management program. Wipe down all touch point surfaces in hotel room with disinfectant or alcohol wipes. Put a "do not disturb" sign on door handle to prevent hotel staff from entering room to clean during the day. If possible, open window(s) for circulation. Wipe down window handles prior to opening and use gloves to open. Refrain from using hotel room coffee machines
	2b. Handling Shared Equipment and Tools 2c. Exposure during Lunch and Bathroom Breaks 2d. Exposure at Hotels		

Task Hazard Analysis

Task Name:	General Field Work and Office Work	Control #:	Error! Reference source not found.
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On-Site Edits:					
3. Office Work	3a. Working around others	15	3a. Work from home when possible. Clean hands often with soap and water for at least 20 seconds after using the restroom, after you have been in a public place, before and after eating or after blowing your nose, coughing, or sneezing. If soap and water are not readily available, use a hand sanitizer that contains at least 60% alcohol. Cover all surfaces of your hands, including around and under fingernails, and rub them together until they feel dry. Cover your mouth and nose with a tissue when you cough or sneeze or use the inside of your elbow. Throw used tissues in the trash. Immediately wash or sanitize your hands. Sit at least six feet apart from others. Change work stations to accommodate for this. Do not hold in-person meetings. Make hand-sanitizers, sanitizing wipes, and other hygienic supplies readily available. Do not eat or hang out in common areas. 3b. Wipe down keyboards, mouse, phone, headset/headphones, any other "touch points". Limit contact of shared items. Wipe down surfaces before coming into contact with them. Wash hands after handling or wear disposable gloves. In reception areas, use your own pen to sign in and out of offices, and do not eat candy out of candy dishes. Assign someone to clean AND disinfect frequently touched surfaces daily. Follow the manufacturer's instructions for all cleaning and disinfection products (e.g., concentration, application method and contact time.	4	
On-Site Edits:					

Task Hazard Analysis

Task Name: General Field Work and Office Work

Control #: Error! Reference source not found.

Additional Notes:

If any of the required PPE (i.e., wipes, soap/hand sanitizer, nitrile gloves) is not available, STOP WORK and wait until supplies are available.

Use disinfectant products that contain at least 70% alcohol. Use alcohol-based hand sanitizer that contains at least 60% alcohol. Wash hands with soap and water whenever available.

Common touch points and surfaces include but are not limited to:

- Arms on chairs
- Table tops
- Doorknobs and handles
- Countertops
- Elevator Buttons
- Coffee Pots
- Refrigerator / microwave / dishwasher / toaster handles
- Water Dispensers
- Cabinet and file drawer knobs / handles
- Shared office supplies such as staplers, paper cutters, scissors, packaging tape dispensers, writing utensils
- Phone receivers, keypads
- Copier / printer / fax control buttons
- Sink faucets
- Light switches

If any staff are showing any possible symptoms of or have been in recent direct contact with others showing symptoms of CORONAVIRUS, STOP WORK. Notify the site supervisor and the project manager, and go home and/or stay home. Contact the AECOM Incident Reporting Hotline (1-800-348-5046) and/or the AECOM Nurse Line (1-512-419-5016).

A list of common symptoms to look out for can be found here:

<https://myecosystem.aecom.com/news/Documents/AECOM%20Guidance%20for%20Coronavirus%202020.pdf>

Visit the CDC webpage on cleaning and disinfecting procedures: [https://www.cdc.gov/coronavirus/2019-ncov/prepare/cleaning-](https://www.cdc.gov/coronavirus/2019-ncov/prepare/cleaning-disinfection.html?CDC_AA_reVal=https%3A%2F%2Fwww.cdc.gov%2Fcoronavirus%2F2019-ncov%2Fcommunity%2Fhome%2Fcleaning-disinfection.html)

[disinfection.html?CDC_AA_reVal=https%3A%2F%2Fwww.cdc.gov%2Fcoronavirus%2F2019-ncov%2Fcommunity%2Fhome%2Fcleaning-disinfection.html](https://www.cdc.gov/coronavirus/2019-ncov/prepare/cleaning-disinfection.html?CDC_AA_reVal=https%3A%2F%2Fwww.cdc.gov%2Fcoronavirus%2F2019-ncov%2Fcommunity%2Fhome%2Fcleaning-disinfection.html)

A list of approved disinfectants for use against SARS-CoV-2, the cause of CORONAVIRUS, is available here: <https://www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2>

Task Hazard Analysis

Task Name: General Field Work and Office Work	Control #: Error! Reference source not found.
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All Employees:

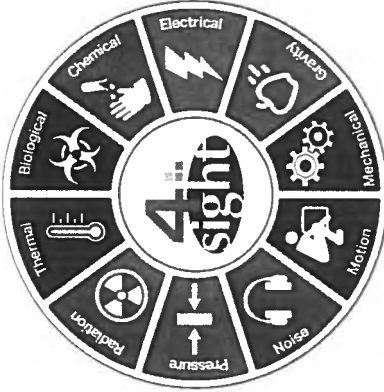
STOP WORK if uncertain about safety or if a hazard or additional precaution is not recorded on the THA.

Be alert, recognize and communicate any changes in scope, personnel or conditions at the worksite to the supervisor.

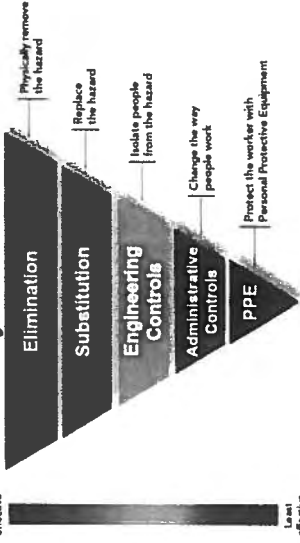
Use 4-Sight, AECOM's last minute risk assessment process continuously throughout the day by asking yourself and your co-workers to assess your task, hazards, and mitigations. Amend the THA when needed.

- ▶ **What am I about to do?**
- ▶ **What can go wrong?**
- ▶ **What can be done to make it safer?**
- ▶ **What have I done to communicate the hazards?**

For a more thorough identification of hazards, ask "What else could go wrong?" using the Hazard Categories



Hierarchy of Controls



- ▶ **Most hazards need more than one control**
- ▶ **What should you do? Stack your controls**
- ▶ **PPE can NEVER be your only means of protection**

Worker Sign On	
I participated in the on-site review and fully understand the content of this Task Hazard Assessment.	
Printed Name	Signature
1. Supervisor: Leslee Alexander (DPM)	<i>Leslee Alexander</i> 04/07/2020 @1441
2. Mariah Rockwell	Mariah Rockwell (04/07/2020 @1440)
3. Randy Morgan	Randy Morgan 4/8/2020 @ 0650
4.	
5.	
6.	
7.	
8.	
9.	
10.	

Visitor Acknowledgement
Visitors review task hazards and acknowledge understanding
1.
2.
3.
4.
5.
6.
7.
8.
9.
10.

Submit a new THA for addition to the DCSA THA Library or send THA improvement suggestions to DCSA.THA.Library@AECOM.com

Task Hazard Analysis

Task Name:	General Field Work and Office Work	Control #:	Error! Reference source not found.
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Include a copy of the new THA or a photo of the THA modifications as appropriate.



Tailgate Safety Meeting Log*

This sign-in log documents the topics of the tailgate safety briefing and individual attendance at the briefing. Personnel who perform work operations onsite are required to attend each safety briefing and acknowledge their ability to ask questions and receipt of such briefings daily. Please provide a brief narrative of the following topics as applicable to the Project.

Meeting Leader <i>Manan Rockwell</i>	Signature <i>Manan Rockwell</i>
Date / Time <i>4-14-20 0800</i>	Project Name & Location UTC Delavan Spray Technologies Site Samburg, South Carolina
Weather Conditions <i>Sunny 50°F</i>	Project Number 60314964
Topic	Discussion (Circle one)
Today's Scope of Work (All tasks)	☒ yes / NA
Schedule / New Work / Scope Changes	☒ yes / NA
Reviewed Procedures, THA, etc.	☒ yes / NA
Emergency Action Plan & Procedures	☒ yes / NA
Communications Protocol	☒ yes / NA
Required PPE	☒ yes / NA
Required Monitoring / Instruments	☒ yes / NA
Site Control / Work Zones / Security	☒ yes / NA
Access / Egress / Slips, Trips, & Falls	☒ yes / NA
Smoking, Eating, & Drinking	☒ yes / NA
Washroom / Facilities Location	☒ yes / NA
Heat/Cold Stress	yes / ☒ NA
Exclusion Areas Barricades / Cones	☒ yes / NA
Required Permits, Passes, Keys, etc.	yes / ☒ NA
Decon Procedures / IDW Mngmt	☒ yes / NA
Equipment Inspections / Safety Checklists	☒ yes / NA
Comments/Other: Cardinal Rules: Confined Space (), GFCI (), Elevated Work (), Lockout/Tagout (), and Machine Guarding (). No loose/leather gloves near rotating equipment.	
Tailgate Meeting Attendees	
Printed Name	Signature
<i>Manan Rockwell</i>	<i>Manan Rockwell</i>
<i>Randy Morge</i>	<i>Randy Morge</i>

*This form is to be utilized for documenting daily safety meetings and stored with project files upon completion

AECOM

Tailgate Safety Meeting Log*

This sign-in log documents the topics of the tailgate safety briefing and individual attendance at the briefing. Personnel who perform work operations onsite are required to attend each safety briefing and acknowledge their ability to ask questions and receipt of such briefings daily. Please provide a brief narrative of the following topics as applicable to the Project.

Meeting Leader <i>Randy Morgan</i>	Signature
Date /Time <i>4-15-2020</i>	Project Name & Location UTC Delavan Spray Technologies Site Samburg, South Carolina
Weather Conditions <i>cloudy, 61°F</i>	Project Number 60314964
Topic	Discussion (Circle one)
Today's Scope of Work (All tasks)	<u>yes</u> / NA
Schedule / New Work / Scope Changes	<u>yes</u> / NA
Reviewed Procedures, THA, etc.	<u>yes</u> / NA
Emergency Action Plan & Procedures	<u>yes</u> / NA
Communications Protocol	<u>yes</u> / NA
Required PPE	<u>yes</u> / NA
Required Monitoring / Instruments	<u>yes</u> / NA
Site Control / Work Zones / Security	<u>yes</u> / NA
Access / Egress / Slips, Trips, & Falls	<u>yes</u> / NA
Smoking, Eating, & Drinking	<u>yes</u> / NA
Washroom / Facilities Location	<u>yes</u> / NA
Heat/Cold Stress	yes / <u>NA</u>
Exclusion Areas Barricades / Cones	yes / <u>NA</u>
Required Permits, Passes, Keys, etc.	<u>yes</u> / NA
Decon Procedures / IDW Mngmt	<u>yes</u> / NA
Equipment Inspections / Safety Checklists	<u>yes</u> / NA
Comments/Other: Cardinal Rules: Confined Space (), GFCI (), Elevated Work (), Lockout/Tagout (), and Machine Guarding (). No loose/leather gloves near rotating equipment.	
Tailgate Meeting Attendees	
Printed Name	Signature
<i>Mangh Rockwell</i>	<i>Mangh Rockwell</i>
<i>Randy Morgan</i>	<i>Randy Morgan</i>

*This form is to be utilized for documenting daily safety meetings and stored with project files upon completion

Americas

Daily Tailgate Meeting

S3AM-209-FM5

Instructions: Conduct meeting prior to sending crews to individual tasks. Require attendance of all AECOM employees and subcontractors. Invite personnel from simultaneous operations for coordination purposes. Review scope of work and briefly discuss required and applicable topics. **This meeting is a daily refresher, not a full orientation.** Task-specific discussions associated with Task Hazard Assessment (THA) follow this meeting at the task location immediately before individual task is started.

AECOM Supervisor Name: Leslie Alexander
Phone Number:

AECOM SH&E Rep. Name: Aaron Conner
Phone Number: 864-234-3032

Meeting Leader: M. Rothwell

Date: 4-14-20

Project Name/Location: UTC Relavan

Project Number:

Today's Scope of Work:

semi-annual GW Sampling event

Muster Point Location:

vehicles

First Aid Kit Location:

vehicle

Fire Extinguisher Location:

vehicle

Spill Kit Location:

vehicle

1. Required Topics

- ☒ Fitness for Duty requirements, all sign in / sign out
- ☐ Required training (incl. task specific) completed and current
- ☐ SH&E Plan onsite - understood, reviewed, signed by all (incl. scope, preplanning hazard assessments / risk registers, controls, procedures, requirements, etc.)
- ☒ Task Hazard Assessments (THAs) are to be reviewed and completed for each task immediately prior to conducting
- ☒ STOP WORK Right & Responsibility- all task changes/changed conditions re-assess with THA
- ☒ Requirement to report to supervisor any injury, illness, damage, near miss, unsafe act / condition
- ☒ Emergency Response Plan – including muster point, first aid kit, fire extinguisher, clinic/hospital location
- ☒ Personal Protective Equipment (PPE) - Required items per hazard assessments in good condition / in use by all
- ☐ Equipment/machinery inspected (documented as required) and in good condition - operators properly trained/certified
- ☒ Work area set up and demarcation/ barricades in place to protect workers, site staff, and the public
- ☐ Required checklists/records available, understood (describe):
- ☐ Lessons Learned / SH&E improvements (describe):

2. Discuss if Applicable to Today's Work

- ☒ ☐ Check ☒ as reviewed or mark ☐ as not applicable
- ☒ Biological/ Chemical / Electrical Hazards
- ☒ Ergonomics - Lifting, Body Position
- ☐ ☒ Lock Out/ Tag Out
- Short Service Employees - visual identifier and mentor/ oversight assignment
- ☒ ☐ Simultaneous/ Neighbouring Operations
- ☒ ☐ Slip/ Trip/ Fall Hazards
- ☒ ☐ Specialized PPE Needs
- ☒ ☐ Traffic Control
- ☒ ☐ Waste Management/ Decontamination
- ☐ ☒ Weather Hazards / Heat Stress / Cold Stress
- ☐ ☒ Subcontractor Requirements (e.g., JHAs, THAs, procedures, reporting, etc.)
- ☐ ☒ Work Permits / Plans required (e.g., Fall Protection, Confined Space, Hot Work, Critical Lifts, etc.); in place, understood (identify/attach):
- ☐ ☐ Other Topics (describe/attach):
- ☐ ☐ Client specific requirements (describe):

3. Daily Check Out by Site Supervisor

Describe incidents, near misses, observations or Stop Work interventions from today:

Describe Lessons Learned/ Improvement Areas from today:

The site is being left in a safe condition and work crew checked out as fit unless otherwise specified as above.

Site Supervisor Name

Signature

Date

Time (at end of day / shift)

Worker Acknowledgement / Sign In Sign Out sheets applicable to this meeting are on reverse and, if applicable, attached.

Daily Tailgate Meeting (S3AM-209-FM5)

Revision 9 January 15, 2019

PRINTED COPIES ARE UNCONTROLLED. CONTROLLED COPY IS AVAILABLE ON COMPANY INTRANET.

All employees:

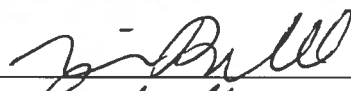
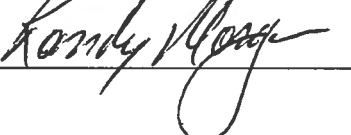
- STOP WORK if concerned / uncertain about safety / hazard or additional precaution is not recorded on the THA.
- Be alert and communicate any changes in personnel or conditions at the worksite to the supervisor.
- Reassess task, hazards, & mitigations on an ongoing basis; amend the THA if needed.

SITE WORKERS (including AECOM Contractors and Subcontractors): Your signature below means that you understand:

- * The requirement to participate in creating, reviewing, & updating hazard assessments (THA) applicable to your task(s).
- * The hazards & control measures associated with each task you are about to perform.
- * The permit to work requirements applicable to the work you are about to perform (if it includes permitted activities).
- * That no tasks or work is to be performed without a hazard assessment.
- * Your authority & obligation to "Stop Work" intervene, speak up/ listen up.

Your initials (right columns) certify that you arrived & departed fit for duty, & have reported all incidents/near misses; meaning:

- * You are physically and mentally fit for duty and have inspected your required PPE to ensure satisfactory condition.
- * You are not under the influence of any type of medication, drugs, or alcohol that could affect your ability to work safely.
- * You are aware of your responsibility to immediately report any illness, injury (regardless of where or when it occurred), or impairment/fatigue issue to the AECOM Supervisor.
- * You signed out as fit / uninjured unless you have otherwise informed the AECOM Supervisor.

Print Name & Company	Signature	Initials & Sign In Time	Initials & Sign Out Time
Manan Rockwell AECOM		In & Fit 0600 AM	Out & Fit
Kathy Morgan		In & Fit 0800 AM	Out & Fit
		In & Fit	Out & Fit
		In & Fit	Out & Fit
		In & Fit	Out & Fit
		In & Fit	Out & Fit
		In & Fit	Out & Fit
		In & Fit	Out & Fit
		In & Fit	Out & Fit
		In & Fit	Out & Fit

(Attach additional Site Worker sign-in/out sheets if needed) Identify number of attached sheets: _____

SITE VISITOR / SITE REPRESENTATIVE

Name	Company Name	Arrival Time	Departure Time	Signature

Americas

Daily Tailgate Meeting

S3AM-209-FM5

Instructions: Conduct meeting prior to sending crews to individual tasks. Require attendance of all AECOM employees and subcontractors. Invite personnel from simultaneous operations for coordination purposes. Review scope of work and briefly discuss required and applicable topics. **This meeting is a daily refresher, not a full orientation.** Task-specific discussions associated with Task Hazard Assessment (THA) follow this meeting at the task location immediately before individual task is started.

AECOM Supervisor Name: Leslie Alexander
 Phone Number: 864-234-
 AECOM SH&E Rep. Name: Adam Council
 Phone Number: 864-234-3032
 Meeting Leader: R. Morgan

Date: 4/15/20 Project Name/Location: UTC Delawan Project Number:

Today's Scope of Work: continue GW sampling 3, SW samples

Muster Point Location: <u>vehicles</u>	First Aid Kit Location: <u>vehicles</u>	Fire Extinguisher Location: <u>vehicles</u>	Spill Kit Location: <u>vehicles</u>
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1. Required Topics	2. Discuss if Applicable to Today's Work
☒ Fitness for Duty requirements, all sign in / sign out ☒ Required training (incl. task specific) completed and current ☒ SH&E Plan onsite - understood, reviewed, signed by all (incl. scope, preplanning hazard assessments / risk registers, controls, procedures, requirements, etc.) ☒ Task Hazard Assessments (THAs) are to be reviewed and completed for each task immediately prior to conducting ☒ STOP WORK Right & Responsibility- all task changes/changed conditions re-assess with THA ☒ Requirement to report to supervisor any injury, illness, damage, near miss, unsafe act / condition ☒ Emergency Response Plan – including muster point, first aid kit, fire extinguisher, clinic/hospital location ☒ Personal Protective Equipment (PPE) - Required items per hazard assessments in good condition / in use by all ☒ Equipment/machinery inspected (documented as required) and in good condition - operators properly trained/certified ☒ Work area set up and demarcation/ barricades in place to protect workers, site staff, and the public ☐ Required checklists/records available, understood (describe): ☐ Lessons Learned / SH&E improvements (describe):	☒ ☒ Check ☒ as reviewed or mark ☐ as not applicable ☒ Biological/ Chemical / Electrical Hazards ☒ Ergonomics - Lifting, Body Position ☐ ☒ Lock Out/ Tag Out Short Service Employees - visual identifier and mentor/ oversight assignment ☒ ☐ Simultaneous/ Neighbouring Operations ☒ ☐ Slip/ Trip/ Fall Hazards ☒ ☐ Specialized PPE Needs ☒ ☐ Traffic Control ☒ ☐ Waste Management/ Decontamination ☐ ☒ Weather Hazards / Heat Stress / Cold Stress ☐ ☒ Subcontractor Requirements (e.g., JHAs, THAs, procedures, reporting, etc.) ☐ ☒ Work Permits / Plans required (e.g., Fall Protection, Confined Space, Hot Work, Critical Lifts, etc.); in place, understood (identify/attach): ☐ ☐ Other Topics (describe/attach): ☐ ☐ Client specific requirements (describe):

3. Daily Check Out by Site Supervisor
Describe incidents, near misses, observations or Stop Work interventions from today:
Describe Lessons Learned/ Improvement Areas from today:

The site is being left in a safe condition and work crew checked out as fit unless otherwise specified as above.

Site Supervisor Name	Signature	Date Time (at end of day / shift)
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Worker Acknowledgement / Sign In Sign Out sheets applicable to this meeting are on reverse and, if applicable, attached.

Daily Tailgate Meeting (S3AM-209-FM5)
 Revision 9 January 15, 2019

PRINTED COPIES ARE UNCONTROLLED. CONTROLLED COPY IS AVAILABLE ON COMPANY INTRANET.

All employees:

- STOP WORK if concerned / uncertain about safety / hazard or additional precaution is not recorded on the THA.
- Be alert and communicate any changes in personnel or conditions at the worksite to the supervisor.
- Reassess task, hazards, & mitigations on an ongoing basis; amend the THA if needed.

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- * The hazards & control measures associated with each task you are about to perform.
- * The permit to work requirements applicable to the work you are about to perform (if it includes permitted activities).
- * That no tasks or work is to be performed without a hazard assessment.
- * Your authority & obligation to "Stop Work" intervene, speak up/ listen up.

Your Initials (right columns) certify that you arrived & departed fit for duty, & have reported all incidents/near misses; meaning:

- * You are physically and mentally fit for duty and have inspected your required PPE to ensure satisfactory condition.
- * You are not under the influence of any type of medication, drugs, or alcohol that could affect your ability to work safely.
- * You are aware of your responsibility to immediately report any illness, injury (regardless of where or when it occurred), or impairment/fatigue issue to the AECOM Supervisor.
- * You signed out as fit / uninjured unless you have otherwise informed the AECOM Supervisor.

Print Name & Company	Signature	Initials & Sign In Time	Initials & Sign Out Time
Manah Rockwell ^{AECOM}		In & Fit 0730	Out & Fit
Randy Morgan		In & Fit 0730 AM	Out & Fit
		In & Fit	Out & Fit
		In & Fit	Out & Fit
		In & Fit	Out & Fit
		In & Fit	Out & Fit
		In & Fit	Out & Fit
		In & Fit	Out & Fit
		In & Fit	Out & Fit
		In & Fit	Out & Fit

(Attach additional Site Worker sign-in/out sheets if needed) Identify number of attached sheets: _____

SITE VISITOR / SITE REPRESENTATIVE

Name	Company Name	Arrival Time	Departure Time	Signature

YSI 556 MPS / Water Quality Calibration Certificate

AECOM

Cal Standard Temp, LAB, C : 22.9 Temp, FIELD, C :

Conductivity	Lot #	Expiration	Post-Cal, LAB	Post-Cal, FIELD	Acceptable Range
1413 UMHO/CM @ 25°C	7903107	3/21	1.28		(+/- .5%)

PH 4.00	Lot #	Expiration	Post-Cal, LAB	Post-Cal, FIELD	Acceptable Range
@ 25°C	7903469	4/21	3.99		(+/- 0.2 units)

PH 7.01	Lot #	Expiration	Post-Cal, LAB	Post-Cal, FIELD	Acceptable Range
@ 25°C	7904223	4/21	7.02		(+/- 0.2 units)

PH 10.01	Lot #	Expiration	Post-Cal, LAB	Post-Cal, FIELD	Acceptable Range
@ 25°C	7904157	4/21	10.04		(+/- 0.2 units)

ORP ZOBELLS	Lot #	Expiration	Post-Cal, LAB	Post-Cal, FIELD	Acceptable Range
231.0 MV @ 25°C	7911075	2/20	237.5		(+/- 20 MV)

Dissolved Oxygen (Saturated Air)	Post-Cal, LAB	Temp, C	% Saturation	mg/L	Acceptable Range (+/- 2%) / (+/- 2%)
		Temp, C	% Saturation	mg/L	
		20.7	95.6	8.57	
	Post-Cal, FIELD				

New DO Membrane	Do Cap Color
☐ Yes ☒ No	☐ Black ☒ Blue ☐ Yellow

Model YSI - PRO PLUS S/N 3731 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	NOV-21	10.03		(9.8 to 10.2)
1000 NTU	2001149	JAN-22	997.8		(970 to 1031)

Model Micro TPW S/N 201709209

Calibrated By Eric Olson

Date of Calibration 4-9-20

Project Name UTC Project number 60601883.01

Signed: [Signature]

Project Name: UTC Delavan
 Project Number: 60601883.01
 Calibrated By: M. Rackwell
 Signature: [Signature]

Prop/Inv: 3731
 YSI 556 SN: 201709209
 Turbidimeter Model/SN: MicroTPW
 Additional Equipment/SN:
 Date: 4-15-20

Operation Notes

1) Turn meter on in Run mode and allow to warm up 10-15 minutes prior to calibration. 2) Observe DO% for 2-3 minutes when meter is initially turned on 3) The unit should display decreasing values until it is stabilized near-100% 4) If the meter does not stabilize at/near 100%, indicates the D.O. 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 the temperature sensor is submerged in solution.

Table 1: Calibration Values At Various Temperatures					
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

Table 2: Atmospheric Pressure / Altitude Table					
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

Table 3: DO% Saturation VS. Temperature							
Temp C	DO	Temp C	DO	Temp C	DO	Temp C	DO
15	10.084	20	9.092	25	8.263	30	7.559
16	9.870	21	8.915	26	8.113	31	7.430
17	9.665	22	8.743	27	7.968	32	7.305
18	9.457	23	8.578	28	7.827	33	7.183
19	9.276	24	8.418	29	7.691	34	7.065

YSI 556 Calibration				
Parameter	Before Calibration	After Calibration	Time	Units
Barometric Pressure	741.3		0735	mmHg
Temperature (Saturated Air)	19.1	19.8	0736	c
Temperature (Calibration Solution)	17.6	18.1	0737	c
D.O.	9.6	10.0	0740	mg/L
PH 7	7.12	7.04	0742	SU
PH 4	4.01	4.00	0744	SU
PH 10	10.12	10.09	0747	SU
Specific Conductance	1147.0	1147.0	0750	mS/cm
ORP	241.7	244.1	0752	mV

MicroTPW Calibration	
Calibrations performed 0.02, 10, and 1000 NTU	Calibrations accepted: ☒ YES ☐ NO Circle One

Project Name: UTC Delavan
 Project Number: 69601883.01
 Calibrated By: Randy Morgan
 Signature: Randy Morgan

Prop No: 3732
 YSI 556 SN: _____
 Turbidimeter Model/SN: MicroTPW
 Additional Equipment/SN: _____
 Date: 4-14-2020

Operation Notes

1) Turn meter on in Run mode and allow to warm up 10-15 minutes prior to calibration. 2) Observe DO% for 2-3 minutes when meter is initially turned on 3) The unit should display decreasing values until it is stabilized near-100% 4) If the meter does not stabilize at/near 100%, indicates the D.O. 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 the temperature sensor is submerged in 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
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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	9.457	23	8.578	28	7.827	33	7.183	38	6.520
19	9.276	24	8.418	29	7.691	34	7.065	39	6.515

Parameter	Before Calibration	After Calibration	Time	Units
Barometric Pressure	758.7	1128	1128	mmHg
Temperature (Saturated Air)	21.5	21.8	1128	c
Temperature (Calibration Solution)	22.1	22.4	1108	c
D.O.	8.93	8.25	1128	mg/L
PH 7	7.31	7.02	1112	SU
PH 4	4.12	4.00	1116	SU
PH 10	10.21	10.05	1120	SU
Specific Conductance	1.28	1.28	1108	mS/cm
ORP	236.2	237.5	1124	mV

Calibrations performed 0.02, 10, and 1000 NTU	Calibrations accepted: ☒ YES ☐ NO Circle One
---	--

Project Name: UTC Delavan
 Project Number: 60601883.01
 Calibrated By: Randy Morgan
 Signature: Randy Morgan

Prop/In: 3732 AECOM
 YSI 556 SN: _____
 Turbidimeter Model/SN: MicroTPW
 Additional Equipment/SN: _____
 Date: 4-15-2020

Operation Notes

1) Turn meter on in Run mode and allow to warm up 10-15 minutes prior to calibration. 2) Observe DO% for 2-3 minutes when meter is initially turned on 3) The unit should display decreasing values until it is stabilized near-100% 4) If the meter does not stabilize at/near 100% indicates the D.O. 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 the temperature sensor is submerged in solution

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15	4.00	7.04	10.10	1147.00	244.00
20	4.00	7.02	10.05	1278.00	237.50
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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

Table 2: Atmospheric Pressure / Altitude Table					
Altitude feet (asl)	Pressure (mmHG)	Altitude feet (asl)	Pressure (mmHG)	Altitude feet (asl)	Pressure (mmHG)
0	760	1126	730	2290	659
278	752	1413	722	2587	652
558	745	1703	714	2887	644
841	737	1995	707	3190	636

Table 3: DO% Saturation VS. Temperature									
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	9.457	23	8.578	28	7.827	33	7.183	38	6.520
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	754.7	754.7	0650	mmHg
Temperature (Saturated Air)	20.8	21.0	0650	c
Temperature (Calibration Solution)	21.7	21.9	0648	c
D.O.	7.34	8.86	0650	mg/L
PH 7	7.21	7.02	0634	SU
PH 4	4.06	4.00	0638	SU
PH 10	10.01	10.04	0642	SU
Specific Conductance	1.28	1.28	0650	mS/cm
ORP	288.1	237.5	0646	mV

MicroTPW Calibration	
Calibrations performed 0.02, 10, and 1000 NTU	Calibrations accepted: ☒ YES ☐ NO Circle One

AECOM

Chain of Custody and Analytical Request

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

Collected by: Randy Morgan/Mariah Rockwell Project Manager: Leslie Alexander

Sample ID	Date Collected (MM/DD/YYYY)	Time Collected (MM/DD/YYYY)	See Container			Sample Information		TCL VOCs #260D	TCL SVOCs #270E	PM 10	Sample Analysis Requested	Quality Assurance Samples	Comments	Code ID
			CONC	WV	SP	WV	SP							
MW-9	15-Apr-2020	1327	X	X	X	X	X	X	X	X				
MW-9-M3	15-Apr-2020	1327	X	X	X	X	X	X	X	X				
MW-9-M50	15-Apr-2020	1327	X	X	X	X	X	X	X	X				
MW-5	15-Apr-2020	1410	X	X	X	X	X	X	X	X				
MW-8	15-Apr-2020	1415	X	X	X	X	X	X	X	X				
MW-1	15-Apr-2020	1450	X	X	X	X	X	X	X	X				
MW-24	15-Apr-2020	1455	X	X	X	X	X	X	X	X				
MW-210	15-Apr-2020	1520	X	X	X	X	X	X	X	X				
MW-21	15-Apr-2020	1525	X	X	X	X	X	X	X	X				
SW-04C	15-Apr-2020	1615	X	X	X	X	X	X	X	X				
SW-04-TLC	15-Apr-2020	1650	X	X	X	X	X	X	X	X				
SW-02-LC	15-Apr-2020	1700	X	X	X	X	X	X	X	X				
SW-03-MWB	15-Apr-2020	1715	X	X	X	X	X	X	X	X				
Aggravated	15-Apr-2020	1575	X	X	X	X	X	X	X	X				

Delivered Directly to Lab: _____
 Method of Shipment: _____
 Analytical Lab: _____
 Lab Manager: _____

Sample Delivery Details / Laboratory Receipt
 Shipped: _____
 Actual # _____
 Location: _____
 Date: _____
 Time: _____

1. Randy Morgan 4/15/20 1327
 2. _____
 3. _____

Chain of Custody Number - this number is sequentially numbered (e.g. 01-15-0001-21)
 VOCs ARE UNPRESERVED 7 DAY HOLDING TIME

AECOM

Chain of Custody and A

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

Client Name: UTC

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

[illegible]

Custody Transfers Prior to Receipt by Laboratory

Relinquished By (Signed)		Date	Time	Received by (signed)		Date	Time
1	<i>Randy May</i>	4-15-20	1:00	1			
2				2			
3				3			

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

VOC'S ARE UNPRESERVED 7 DAY HOLDING TIME

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 7

Date (mo/day/yr) April 15, 2020

Field Personnel Randy Morgan

Site Name UTC Delavan Spray Technologies/Site

AECOM Job # 60314964

Sample ID* MW-1

Upgradient Overcast Downgradient Overcast Sidegradient X Source X

Weather Conditions Overcast

Air Temperature 60.5 ° F

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

Depth to Ground Water (DGW) = 11.09 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 6.91 1/100 ft

1 Casing Volume (OCV)* = LWC x 0.163 = 1.12 gal

3 Casing Volumes = 3.37 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

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 YES X NO NO Type Handing

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 X MODERATE NO HIGH NO

Comments/Observations 1450

Sample Time 1450

Sample Analytes VOC'S

Hack Fe Kit N/A 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	1.30	1.60	1.80	1.50					
VOLUME PURGED (gallons)	1423	1433	1438	1443	1448				
TIME (Military)	11.30	11.52	11.65	12.06	12.20				
Water Level (ft BTWC)	4.62	4.47	4.53	4.56	4.55				
pH (S U)	8.030	8.031	8.030	8.030	8.030				
Sp. Cond (mS/cm)	19.8	19.7	19.9	20.2	20.3				
Water Temp (°C)	6.27	6.20	6.40	6.68	6.59				
Turbidity (NTUs)	5.16	5.22	5.08	5.23	5.12				
DO - (mg/L)	0.01	0.01	0.01	0.01	0.01				
Salinity (ppt)	249.4	255.0	255.3	264.0	263.2				
ORP (mV)									

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr)	4/15/20		
Field Personnel	Reckwell Morgan		
Site Name	UTC Delavan Spray Technologies Site		
AECOM Job #	60314964		
Sample ID*	MW-5	Sidegradient	Source
Weather Conditions	Sunny 65°		
Air Temperature	° F		
Total Well Depth (TWD) =	14.00	1/100 ft	
Depth to Ground Water (DGW) =	6.37	1/100 ft	
Length of Water Column (LWC) = TWD - DGW =	7.63	1/100 ft	
1 Casing Volume (OCV)* = LWC x	0.163	gal	
3 Casing Volumes =	3.73	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	L20 gal		

Casing Diameter	2.0	inches
Casing Material	PVC	
Measuring Point Elevation	145.46	1/100 ft
Height of Riser (above land surface)	0.12	1/100 ft
Land Surface Elevation	145.34	1/100 ft
Screened Interval	4 - 14	
Dedicated Pump or Bailor	YES ☒ NO ☒	Type <u>Submerg</u>
Steel Guard Pipe Around Casing	YES ☒ NO ☒	
Locking Cap	YES ☒ NO ☒	
Protective Pos/Abutment	YES ☒ NO ☒	
Well Integrity Satisfactory	YES ☒ NO ☒	
Yield	LOW ☒ MODERATE ☒ HIGH ☒	
Comments/Observations	VOC's	
Sample Time	021410	
Sample Analytes	Heek-Fe-Kr	

* - 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	0.70	0.50	0.80	1.20				
VOLUME PURGED (gallons)	1345	1350	1355	1400	1405				
TIME (Military)	0.73	0.81	0.90	0.92	0.95				
Water Level (ft BTOC)	6.45	5.53	5.55	5.55	5.54				
pH (S.U.)	0.022	0.020	0.020	0.019	0.020				
Sp. Cond. (mS/cm)	18.8	18.9	18.7	18.6	18.6				
Water Temp (°C)	45.73	12.86	5.27	4.49	4.18				
Turbidity (NTUs)	7.22	7.06	7.08	7.07	7.06				
DO - (mg/L)	-	-	-	-	-				
Salinity (ppt)	65.8	61.2	57.6	57.0	56.3				
ORP (mV)									

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr)	4/15/20
Field Personnel	Rockwell Morgan
Site Name	UTC Delavan Spray Technologies Site
AECOM Job #	60314964
Sample ID*	MW-3
Upgradient	X
Downgradient	X
Sidegradient	X
Source	
Weather Conditions	Sunny
Air Temperature	60°
Total Well Depth (TWD) =	18.00
Depth to Ground Water (DGW) =	12.98
Length of Water Column (LWC) = TWD - DGW =	5.02
1 Casing Volume (OCV)* = LWC x 0.163	= 0.81
3 Casing Volumes =	2.45
Method of Sample Evacuation	Purge with Peristaltic Pump
Method of Sample Collection	Peristaltic Pump Reverse Flow for VOC's
Total Volume of Water Removed	1.05

* - 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	1.05
VOLUME PURGED (gallons)	10.30	10.35	10.40	10.50
TIME (Military)	13.01	13.06	13.10	13.10
Water Level (ft BTOC)	5.51	5.37	5.36	5.35
pH (S.U.)	0.022	0.022	0.022	0.022
Sp. Cond. (mS/cm)	20.0	20.3	20.2	19.7
Water Temp. (°C)	30.91	13.74	7.30	5.89
Turbidity (NTUs)	5.45	5.53	5.52	5.50
DO - (mg/L)	-	-	-	-
Salinity (ppt)	53.2	55.7	60.4	62.4
ORP (mV)				63.0

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (m/d/yr) 4/15/20
Field Personnel Rockwell Morgan
Site Name UTC Delavan Spray Technologies Site
AECOM Job # 60314964
Sample ID* MW-3D
Upgradient ☒ Downgradient ☐ Sidegradient ☐ Source sunny - windy
Weather Conditions 60° ° F
Air Temperature 49.00 1/100 ft
Total Well Depth (TWD) = 49.00 1/100 ft
Depth to Ground Water (DGW) = 13.65 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 35.35 1/100 ft
1 Casing Volume (OCV)* = LWC x 0.163 = 5.76 gal
3 Casing Volumes = 17.28 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 17.40 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 ☒ 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 ☒ X
Comments/Observations @ 1130 MW-3D-MS/MSD
Sample Time @ 1130
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	0.30	0.60	1.0	1.40					
VOLUME PURGED (gallons)	1105	1110	1115	1120	1125				
TIME (Military)	13.72	13.75	13.73	13.73	13.73				
Water Level (ft BTOC)	8.05	7.74	7.70	7.71	7.70				
pH (S.U.)	0.235	0.233	0.234	0.236	0.236				
Sp. Cond. (mS/cm)	20.7	20.7	20.7	20.5	20.6				
Water Temp (°C)	13.15	7.00	3.34	2.29	2.31				
Turbidity (NTUs)	3.88	2.63	3.17	3.29	3.26				
DO - (mg/L)	-	-	-	-	-				
Salinity (ppt)	47.0	57.4	63.0	62.2	62.6				
ORP (mV)									

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr) 4/15/20
 Field Personnel Robbwell / Morgan
 Site Name UTC Delavan Spray Technologies Site
 AECOM Job # 60314964
 Sample ID# MW-7
 Upgradient X Downgradient cloudy Sidegradient cloudy Source cloudy
 Weather Conditions cloudy 60° ° F
 Air Temperature 20.00 1/100 ft
 Total Well Depth (TWD) = 13.91 1/100 ft
 Depth to Ground Water (DGW) = 6.09 1/100 ft
 Length of Water Column (LWC) = TWD - DGW = 0.99 1/100 ft
 1 Casing Volume (OCV)* = LWC x 0.163 gal = 0.99 gal
 3 Casing Volumes = 2.97 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

Casing Diameter 2.0 inches
 Casing Material PVC
 Measuring Point Elevation 149.03 1/100 ft
 Height of Riser (above land surface) -0.22 1/100 ft
 Land Surface Elevation 149.25 1/100 ft
 Screened Interval 5 - 20
 Dedicated Pump or Baller X YES X NO X Type tubing
 Steel Guard Pipe Around Casing X YES X NO X
 Locking Cap X YES X NO X
 Protective Pos/Abutment X YES X NO X
 Well Integrity Satisfactory X YES X NO X
 Yield LOW X MODERATE X HIGH X
 Comments/Observations @ 1020 VOC's
 Sample Time @ 1020
 Sample Analytes VOC's
 Hack Fe 44 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	0.30	0.60	1.0	1.50					
VOLUME PURGED (gallons)	0955	1000	1005	1010	1015				
TIME (Military)	13.91	13.40	13.47	13.56	13.61				
Water Level (ft BTOC)	6.47	6.00	5.87	5.82	5.81				
pH (S U)	0.020	0.020	0.020	0.019	0.020				
Sp. Cond (mS/cm)	19.6°	19.3°	19.6°	19.7°	19.8°				
Water Temp. (°C)	515.8	138.6	6.39	7.12	6.70				
Turbidity (NTUs)	7.40	7.62	7.64	7.53	7.46				
DO - (mg/L)	-	-	-	-	-				
Salinity (ppt)	30.1	27.2	23.4	23.5	24.0				
ORP (mV)									

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr)	April 15, 2020		
Field Personnel	Landy Nguyen		
Site Name	UTC Delavan Spray Technologies Site		
AECOM Job #	60314964		
Sample ID*	MW-8		
Upgradient	X	Downgradient	Source
Weather Conditions	mostly sunny		
Air Temperature	60.3 °F		
Total Well Depth (TWD) =	20.00		
Depth to Ground Water (DGW) =	10.31		
Length of Water Column (LWC) = TWD - DGW =	9.69		
1 Casing Volume (OCV)* = LWC x 0.163	1.57 gal		
3 Casing Volumes =	4.73 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	2.0 gal		

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
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	1445		
Sample Time	VOC'S		
Sample Analytes	NA		
Hack Fe Kit	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
1348	1353	1403	1413
10.58	10.72	10.95	10.95
4.54	4.46	4.51	4.54
0.052	0.047	0.065	0.065
2.24	2.21	2.25	2.21
4.14	1.56	1.92	1.95
2.99	3.03	3.81	3.98
0.05	0.02	0.03	0.03
263.8	861.9	266.9	269.8

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page of

Date (mo/day/yr)	<u>April 15 2020</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>		
Upgradient	☒ Downgradient	Sidegradient	Source
Weather Conditions	<u>Clear/sunny</u>		
Air Temperature	<u>60's</u> ° F		
Total Well Depth (TWD) =	<u>20.00</u>	1/100 ft	
Depth to Ground Water (DGW) =	<u>5.13</u>	1/100 ft	
Length of Water Column (LWC) = TWD - DGW =	<u>14.87</u>	1/100 ft	
1 Casing Volume (OCV)* = LWC x	<u>0.163</u>	gal	
3 Casing Volumes =	<u>17.27</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>2.10</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	☒ YES ☒ NO	Type <u>Subing</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	<u>Sample Time 1327</u>	
Sample Analytes	<u>VOC'S MS/MSD</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	1.35	1.70	1.05	1.40	1.75	2.10		
VOLUME PURGED (gallons)	1255	1300	1305	1310	1315	1320	1325	
TIME (Military)	5:40	5:57	5:70	5:87	5:98	6:02	6:05	
Water Level (ft BTOC)	4.66	4.53	4.49	4.45	4.47	4.47	4.45	
pH (S.U.)	0.028	0.030	0.031	0.032	0.032	0.033	0.032	
Sp. Cond. (mS/cm)	16.7	17.0	17.1	16.9	17.2	17.1	17.3	
Water Temp. (°C)	15.50	14.25	14.64	14.03	13.57	11.15	11.98	
Turbidity (NTUs)	3.49	3.23	3.16	3.02	2.90	2.86	2.91	
DO - (mg/L)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
Salinity (ppt)	23.0	24.4	23.47	22.64	22.53	22.34	22.34	
ORP (mv)								

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr)	<u>April 15, 2020</u>		
Field Personnel	<u>Randy May</u>		
Site Name	<u>UTC Delavan Spray Technologies Site</u>		
AECOM Job #	<u>60314964</u>		
Sample ID*	<u>MW-10</u>		
Upgradient	☒ Downgradient	Sidegradient	Source
Weather Conditions	<u>Clear / Sunny</u>		
Air Temperature	<u>60.5</u> °F		
Total Well Depth (TWD) =	<u>18.00</u>		1/100 ft
Depth to Ground Water (DGW) =	<u>3.83</u>		1/100 ft
Length of Water Column (LWC) = TWD - DGW =	<u>14.17</u>		1/100 ft
1 Casing Volume (OCV)* = LWC x	<u>0.163</u>		gal
3 Casing Volumes =	<u>0.92</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>2.0</u> gal		

Casing Diameter	<u>2.0</u>	inches
Casing Material	<u>PVC</u>	
Measuring Point Elevation	<u>142.19</u>	1/100 ft
Height of Riser (above land surface)	<u>-0.37</u>	1/100 ft
Land Surface Elevation	<u>142.56</u>	1/100 ft
Screened Interval	<u>3</u> - <u>18</u>	
Dedicated Pump or Bailer	☒ YES ☐ NO	Type <u>Tabling</u>
Steel Guard Pipe Around Casing	☒ YES ☐ NO	
Locking Cap	☒ YES ☐ NO	
Protective Post/Abutment	☒ YES ☐ NO	
Well Integrity Satisfactory	☒ YES ☐ NO	
Yield	<u>LOW</u>	<u>MODERATE</u>
Comments/Observations	<u>Sample Time 1247</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 0.102X 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		FIELD ANALYSES	
VOLUME PURGED (gallons)	Initial	1.40	1.20
TIME (Military)	1220	1225	1240
Water Level (ft BTOC)	4.08	4.09	4.14
pH (S.U.)	6.02	6.55	4.98
Sp. Cond. (mS/cm)	0.032	0.029	0.025
Water Temp. (°C)	16.0	16.1	16.5
Turbidity (NTUs)	1.47	10.72	3.45
DO - (mg/L)	2.78	2.23	2.34
Salinity (ppt)	0.01	0.01	0.01
ORP (mV)	232.9	254.4	290.2
		282.0	293.8
			297.2

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Date (mo/day/yr) April, 14, 20

Field Personnel Randy Morgan

Site Name UTC Delavan Spray Technologies Site

AECOM Job # 60314964

Sample ID* MW-12D

Upgradient X Downgradient clear Sidegradient clear Source 80's

Weather Conditions clear

Air Temperature 50.00 °F

Total Well Depth (TWD) = 50.00 1/100 ft

Depth to Ground Water (DGW) = 13.25 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 36.75 1/100 ft

1 Casing Volume (OCV)* = LWC x 0.163 gal = 5.99 gal

3 Casing Volumes = 17.97 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 6.80 gal

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 1/100 ft

Dedicated Pump or Bailor YES X NO NO Type Trubog

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 Sample Time 1702

Sample Analytes VOC'S

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	1.80	1.60	2.40	3.20	4.00	4.80	5.60	6.00	6.40	6.80	
VOLUME PURGED (gallons)	15.35	15.45	15.55	16.05	16.15	16.25	16.35	16.45	16.55	17.00	
TIME (Military)	14.12	14.55	14.92	14.87	14.85	14.98	14.77	14.79	14.72	14.68	
Water Level (ft BTOC)	12.07	11.96	11.73	11.64	11.58	11.10	10.81	10.60	10.55	10.46	
pH (S.U.)	2.32	1.77	1.21	0.86	0.57	0.368	0.24	0.248	0.243	0.236	
Sp. Cond. (mS/cm)	19.0	19.0	19.0	18.9	18.9	18.9	18.9	18.9	19.0	19.0	
Water Temp. (°C)	2.58	1.62	0.78	2.04	2.09	2.72	2.94	4.70	4.51	4.73	
Turbidity (NTUs)	4.02	3.93	3.97	4.06	4.07	4.07	4.11	4.11	4.06	4.01	
DO - (mg/L)	1.20	0.91	0.59	0.42	0.29	0.18	0.14	0.12	0.12	0.11	
Salinity (ppt)	-54.4	-36.5	-25.9	-20.9	-5.7	+3.7	+7.2	-14.5	-4.5	+4.8	
ORP (mV)										+2.9	

COMMENTS/OBSERVATIONS

Ph and Conductivity are high stabilize after 5 gals

FIELD DATA LOG FOR GROUNDWATER SAMPLING

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Date (mo/day/yr) April 15 2020

Field Personnel Randy Morgan

Site Name UTC Delavan Spray Technologies Site

AECOM Job # 60314964

Sample ID* MW-13D

Upgradient X Downgradient overcast Sidegradient Source

Weather Conditions overcast

Air Temperature 60's °F

Total Well Depth (TWD) = 50.00 1/100 ft

Depth to Ground Water (DGW) = 11.92 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 38.08 1/100 ft

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

3 Casing Volumes = 18.62 gal

Method of Sample Evacuation Purge with Peristaltic Pump

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

Total Volume of Water Removed 370 gal

Casing Diameter 2.0 inches

Casing Material PVC

Measuring Point Elevation 146.23 1/100 ft

Height of Riser (above land surface) -0.18 1/100 ft

Land Surface Elevation 146.41 1/100 ft

Screened Interval 40 - 50 1/100 ft

Dedicated Pump or Bailer X YES X NO Type Tubing

Steel Guard Pipe Around Casing X YES X NO X

Locking Cap X YES X NO X

Protective Post/Abutment X YES X NO X

Well Integrity Satisfactory X YES X NO X

Yield LOW MODERATE HIGH X

Comments/Observations 0850

Sample Time 0850

Sample Analytes VOC's

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 0.163 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	1.40	1.50	1.20	1.60	2.0	2.4	2.8	3.20		
VOLUME PURGED (gallons)	0808	0813	0818	0823	0828	0833	0838	0843	0848	
TIME (Military)	11.96	11.96	11.96	11.96	11.96	11.96	11.96	11.96	11.96	
Water Level (ft BTOC)	17.99	17.84	17.99	18.03	17.96	17.91	17.81	17.79	17.79	
pH (S.U.)	0.218	0.222	0.225	0.226	0.227	0.228	0.230	0.231	0.231	
Sp. Cond. (mS/cm)	18.3	18.6	18.5	18.6	18.6	18.5	18.3	18.5	18.5	
Water Temp (°C)	2.68	3.38	1.91	1.64	1.87	1.90	1.97	1.78	1.81	
Turbidity (NTUs)	5.07	4.80	4.98	5.04	4.84	5.00	5.10	4.99	5.15	
DO - (mg/L)	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	
Salinity (ppt)	1163	1135	1066	1047	1023	1043	110.7	111.8	112.0	
ORP (mV)										

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 7

Date (mo/day/yr)	APR 17/15/20		
Field Personnel	Randy M. Morgan		
Site Name	UTC Delavan Spray Technologies Site		
AECOM Job #	60314964		
Sample ID*	MW-14		
Weather Conditions	Upgradient	X	Downgradient
Air Temperature	60.5		
Total Well Depth (TWD) =	20.00	1/100 ft	Source
Depth to Ground Water (DGW) =	10.88	1/100 ft	
Length of Water Column (LWC) = TWD - DGW =	9.12	1/100 ft	
1 Casing Volume (OCV)* = LWC x	0.163	gal	
3 Casing Volumes =	4.45	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	2.40		

Casing Diameter	2.0	inches
Casing Material	PVC	
Measuring Point Elevation	146.90	1/100 ft
Height of Riser (above land surface)	-0.15	1/100 ft
Land Surface Elevation	147.05	1/100 ft
Screened Interval	5	20
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	1025	
Sample Time	1025	
Sample Analytes	VOC'S	
Hack Fe Kit	NA	

* - 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)

FIELD ANALYSES

VOLUME PURGED (gallons)	Initial	1.30	0.60	0.90	1.20	1.50	1.80	2.10	2.40
TIME (Military)	0943	0948	0953	0958	1003	1008	1013	1018	1023
Water Level (ft BTWC)	11.08	11.34	11.65	11.83	12.01	12.23	12.45	12.66	12.83
pH (S.U.)	4.52	4.78	4.89	4.76	4.92	4.58	4.62	4.50	4.53
Sp. Cond. (mS/cm)	0.021	0.021	0.020	0.021	0.020	0.020	0.020	0.020	0.020
Water Temp (°C)	17.5	18.2	18.4	18.5	18.2	18.4	18.5	18.4	18.2
Turbidity (NTUs)	5.18	6.68	6.00	4.54	4.65	3.68	3.22	3.83	3.42
DO - (mg/L)	6.69	6.36	6.43	6.34	6.65	6.65	6.52	6.65	6.51
Salinity (ppt)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
ORP (mV)	172.8	187.4	192.9	194.4	185.3	201.0	186.3	212.4	216.9

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr)	April 15, 2020		
Field Personnel	Randy Nguyen		
Site Name	UTC Delavan Spray Technologies Site		
AECOM Job #	60314964		
Sample ID*	MW-14D		
Upgradient	X	Downgradient	Sidegradient
Weather Conditions	overcast		
Air Temperature	60.5 °F		
Total Well Depth (TWD) =	50.00	1/100 ft	
Depth to Ground Water (DGW) =	12.60	1/100 ft	
Length of Water Column (LWC) = TWD - DGW =	37.40	1/100 ft	
1 Casing Volume (OCV)* = LWC x	0.163	gal	
3 Casing Volumes =	16.28	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	2.0 gal		

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	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	Sample Time 1102 Dup MW-14D-a	
Sample Analytes	VOC's	
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	40	80	120	160	200	240	280	320
TIME (Military)	1053	1040	1045	1050	1055	1100			
Water Level (ft BTOC)	12.65	12.60	12.67	12.67	12.67	12.67			
pH (S U)	8.97	7.83	7.56	7.62	7.50	7.52			
Sp Cond (mS/cm)	0.144	0.212	0.231	0.233	0.233	0.231			
Water Temp (°C)	12.7	19.3	19.4	19.1	19.1	19.3			
Turbidity (NTUs)	16.30	2.64	2.40	2.61	1.94	2.34			
DO - (mg/L)	3.17	0.68	0.59	0.60	0.59	0.57			
Salinity (ppt)	0.07	0.10	0.11	0.11	0.11	0.11			
ORP (mV)	62.4	72.1	62.4	57.0	53.1	44.2			

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr) April 14 2020
 Field Personnel Kathy Meyer
 Site Name UTC Delavan Spray Technologies Site
 AECOM Job # 60314964
 Sample ID* MW-15
 Upgradient X Downgradient Clear Sunny Sidegradient Source
 Weather Conditions 70's
 Air Temperature 19.00 " F
 Total Well Depth (TWD) = 19.00 1/100 ft
 Depth to Ground Water (DGW) = 2.88 1/100 ft
 Length of Water Column (LWC) = TWD - DGW = 16.12 1/100 ft
 1 Casing Volume (OCV)* = LWC x 0.163 gal = Standard Evacuation Volume
 3 Casing Volumes = 7.88 gal
 Method of Sample Evacuation Purge with Peristaltic Pump
 Method of Sample Collection Peristaltic Pump Reverse Flow for VOC's
 Total Volume of Water Removed 3.20 gal

Casing Diameter 2.0 inches
 Casing Material PVC
 Measuring Point Elevation 135.73 1/100 ft
 Height of Riser (above land surface) -0.40 1/100 ft
 Land Surface Elevation 136.13 1/100 ft
 Screened Interval 4 - 19
 Dedicated Pump or Bailor YES X NO NO Type NO
 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 HIGH X
 Yield LOW MODERATE MODERATE HIGH HIGH
 Comments/Observations 1242 1247
 Sample Time 1242 1247
 Sample Analytes VOC's
 Hack Fe Kit NH mg/L NH

* - 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	1.20	1.60	2.0	2.4	2.8	3.20
TIME (Military)	1205	1210	1215	1220	1225	1230	1240
Water Level (ft BTOW)	1.99	3.05	2.10	2.12	2.13	2.14	2.15
pH (S.U.)	5.44	5.09	5.11	5.19	5.20	5.20	4.84
Sp Cond (mS/cm)	0.457	0.450	0.448	0.438	0.435	0.406	0.385
Water Temp (°C)	17.8	17.9	18.0	18.2	18.2	18.1	18.1
Turbidity (NTUs)	9.69	6.73	9.00	8.69	9.19	8.99	9.21
DO - (mg/L)	1.17	0.19	0.15	0.61	0.49	0.43	0.38
Salinity (ppt)	0.22	0.22	0.22	0.21	0.21	0.21	0.17
ORP (mV)	93.7	91.1	82.5	75.4	74.9	74.4	73.4
							70.1

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 7 of 1

Date (mo/day/yr)	<u>April 15 2020</u>		
Field Personnel	<u>Randy Moser</u>		
Site Name	<u>UTC Delavan Spray Technologies site</u>		
AECOM Job #	<u>60314964</u>		
Sample ID*	<u>MW-16</u>	Sidegradient	Source
Upgradient	<u>X</u>	Downgradient	<u>Overcast</u>
Weather Conditions	<u>605</u>		
Air Temperature	° F		
Total Well Depth (TWD) =	<u>19.00</u>		
Depth to Ground Water (DGW) =	<u>2.54</u>		
Length of Water Column (LWC) = TWD - DGW =	<u>16.46</u>		
1 Casing Volume (OCV)* = LWC x	<u>0.163</u>		
3 Casing Volumes =	<u>8.04</u>		
Method of Sample Evacuation	gal = Standard Evacuation Volume		
Method of Sample Collection	Purge with Peristaltic Pump		
Total Volume of Water Removed	Peristaltic Pump Reverse Flow for VOC's		
	<u>2.4</u>		

Casing Diameter	<u>2.0</u>		inches
Casing Material	<u>PVC</u>		
Measuring Point Elevation	<u>138.30</u>		1/100 ft
Height of Riser (above land surface)	<u>-0.44</u>		1/100 ft
Land Surface Elevation	<u>138.74</u>		1/100 ft
Screened Interval	<u>4</u>	<u>19</u>	
Dedicated Pump or Bailor	<u>YES</u>	<u>NO</u>	Type
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>0932</u>		
Sample Time	<u>VOC's</u>		
Sample Analytes	<u>N/A</u>		
Hack Fe Kit	<u>N/A</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	1.40	1.50	1.60	2.0	2.4
VOLUME PURGED (gallons)	1900	0905	0910	0920	0930
TIME (Military)	2.72	2.73	2.74	2.75	2.75
Water Level (ft BTOC)	6.57	5.30	5.10	4.81	4.68
pH (S.U.)	0.083	0.044	0.038	0.034	0.030
Sp Cond (mS/cm)	16.4	16.6	16.7	16.8	16.8
Water Temp (°C)	116.9	58.32	27.88	20.43	17.63
Turbidity (NTUs)	0.62	0.30	0.37	0.50	0.47
DO - (mg/L)	0.04	0.02	0.02	0.01	0.01
Salinity (ppt)	99.1	120.5	114.3	107.6	104.7
ORP (mV)			113.1	104.7	101.6

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr) April 19, 2020

Field Personnel Andy Morgan

Site Name UTC Delavan Spray Technologies Site

AECOM Job # 60314964

Sample ID* MW-21

Upgradient Overcast Downgradient Overcast Sidegradient X Source X

Weather Conditions Overcast

Air Temperature 34.40 °F

Total Well Depth (TWD) = 11.46 1/100 ft

Depth to Ground Water (DGW) = 22.94 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 3.73 1/100 ft

1 Casing Volume (OCV)* = LWC x 0.163 gal = 3.73 gal

3 Casing Volumes = 11.21 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 2.0 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

Dedicated Pump or Bailer X YES X NO X Type Subsiding

Steel Guard Pipe Around Casing X YES X NO X

Locking Cap YES X NO X

Protective Post/Abutment YES X NO X

Well Integrity Satisfactory YES X NO X

Yield LOW X MODERATE X HIGH X

Comments/Observations 1325

Sample Time 1325

Sample Analytes VOC'S

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)

VOLUME PURGED (gallons)		FIELD ANALYSES									
TIME (Military)	Initial	1.40	1.20	1.60	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Water Level (ft BTOW)	145.8	150.3	151.3	157.8	152.3	152.3	152.3	152.3	152.3	152.3	152.3
pH (S.U.)	12.47	13.12	13.50	13.57	13.62	13.62	13.62	13.62	13.62	13.62	13.62
Sp. Cond. (mS/cm)	4.88	4.58	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
Water Temp. (°C)	8.022	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019
Turbidity (NTUs)	20.1	20.0	20.0	20.2	20.3	20.3	20.3	20.3	20.3	20.3	20.3
DO - (mg/L)	26.68	7.47	2.71	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65
Salinity (ppt)	2.20	0.70	0.72	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
ORP (mV)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	219.7	240.2	236.6	243.5	243.5	243.5	243.5	243.5	243.5	243.5	243.5

COMMENTS/OBSERVATIONS

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	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	<u>@1520</u>	
Sample Time		
Sample Analytes	<u>VOC's</u>	
Heel Fe K ⁺	<u>mg/L</u>	

Total Volume of Water Meters

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

	FIELD ANALYSES							
	Initial	0.30	0.600	1.0	1.30			
VOLUME PURGED (gallons)	1455	1500	1505	1510	1515			
TIME (Military)	12.52	12.52	12.51	12.52	12.52			
Water Level (ft BTOC)	7.36	8.95	8.91	8.21	8.22			
pH (S U)	0.216	0.230	0.240	0.240	0.240			
Sp Cond (mS/cm)	19.9°	20.3°	20.2°	20.4°	20.3°			
Water Temp. (°C)	6.91	2.75	2.08	1.40	0.80			
Turbidity (NTUs)	4.30	3.73	2.91	2.55	2.54			
DO - (mg/L)	-	-	-	-	-			
Salinity (ppt)	57.2	61.4	59.5	55.1	54.9			
ORP (mV)								

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR GROUNDWATER SAMPLING

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Date (mo/day/yr) 4/14/20

Field Personnel M. Rakwell

Site Name UTC Delavan Spray Technologies Site

AECOM Job # 60314964

Sample ID* MW-22D

Upgradient ☒ Downgradient ☐ Sidegradient ☐ Source ☐

Weather Conditions Sunny 85° °F

Air Temperature 48.40 1/100 ft

Total Well Depth (TWD) = 11.83 1/100 ft

Depth to Ground Water (DGW) = 36.57 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 5.96 gal

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

3 Casing Volumes = 17.88 gal

Method of Sample Evacuation Purge with Peristaltic Pump

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

Total Volume of Water Removed 1.40 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

Initial	0.30	0.60	0.90	1.40
VOLUME PURGED (gallons)	1415	1420	1425	1430
TIME (Military)	11.82	11.83	11.83	11.83
Water Level (ft BTOC)	7.54	7.60	7.59	7.59
pH (S.U.)	0.268	0.269	0.270	0.270
Sp Cond. (mS/cm)	22.6°	23.6°	24.2°	24.0°
Water Temp (°C)	1.40	0.166	0.50	0.47
Turbidity (NTUs)	3.09	3.05	3.14	3.12
DO - (mg/L)	-	-	-	-
Salinity (ppt)	75.6	79.4	83.8	84.0
ORP (mV)	-	-	-	84.3

COMMENTS/OBSERVATIONS

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 ☐

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 MW-22D-Dup

Sample Time @ 1440

Sample Analytes VOC's

~~Back Flow~~ THOU

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr) 4/15/20

Field Personnel Reckwell Morgan

Site Name UTC Delavan Spray Technologies Site

AECOM Job # 60314964

Sample ID* MW-24

Upgradient ☒ Downgradient ☒ Sidegradient ☐ Source cloudy - windy

Weather Conditions cloudy - windy

Air Temperature 60° "F

Total Well Depth (TWD) = 21.00 1/100 ft

Depth to Ground Water (DGW) = 12.96 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 8.04 1/100 ft

1 Casing Volume (OCV)* = LWC x 0.163 = 1.31 gal

3 Casing Volumes = 3.93 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 1.75 gal

Casing Diameter 2.0 inches

Casing Material PVC

Measuring Point Elevation 147.85 1/100 ft

Height of Riser (above land surface) -0.67 1/100 ft

Land Surface Elevation 148.52 1/100 ft

Screened Interval 6 21

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 @ 1455 VOC's

Sample Time 1455

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	0.25	0.50	0.75	1.00	1.25	1.50	1.75			
VOLUME PURGED (gallons)	1415	1420	1425	1430	1440	1445	1450			
TIME (Military)	1300	1302	1304	1310	1312	1312	1313			
Water Level (ft BTOC)	5.48	5.45	5.40	5.40	5.39	5.36	5.36			
pH (S U)	0.026	0.023	0.024	0.024	0.024	0.025	0.025			
Sp Cond (mS/cm)	17.1	17.5	17.9	17.8	17.9	18.0	18.0			
Water Temp ("C)	112.3	108.78	59.34	58.02	8.55	5.13	4.23			
Turbidity (NTUs)	6.10	5.65	5.63	5.67	5.52	5.58	5.63			
DO - (mg/L)										
Salinity (ppt)										
ORP (mv)	58.2	60.9	68.6	67.2	69.3	69.5	70.6			

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR GROUNDWATER SAMPLING

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Date (mo/day/yr) 4/14/20
 Field Personnel Reckwell
 Site Name UTC Delavan Spray Technologies Site
 AECOM Job # 60314964
 Sample ID* MW-25D
 Upgradient X Downgradient Sidegradient Source Sunny
 Weather Conditions 85°
 Air Temperature 62.00 "F
 Total Well Depth (TWD) = 62.00 1/100 ft
 Depth to Ground Water (DGW) = 9.86 5.24 1/100 ft
 Length of Water Column (LWC) = TWD - DGW = 56.76 1/100 ft
 1 Casing Volume (OCV)* = LWC x 0.163 = 7.37 gal
 3 Casing Volumes = 23.13 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 1.25 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 NO Type X
 Steel Guard Pipe Around Casing YES NO X
 Locking Cap YES NO
 Protective Post/Abutment YES NO X
 Well Integrity Satisfactory YES NO
 Yield LOW MODERATE HIGH X
 Comments/Observations @ 1240
 Sample Time VOC's
 Sample Analytes Heek-Perkit

* - 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	0.60	0.80	1.25				
TIME (Military)	1215	1220	1225	1230	1235				
Water Level (ft BTOD)	5.24	5.26	5.27	5.27	5.27				
pH (S.U.)	7.62	7.65	7.63	7.63	7.62				
Sp. Cond. (mS/cm)	0.269	0.267	0.269	0.269	0.268				
Water Temp ("C)	21.1	21.3	21.1	21.2	21.2				
Turbidity (NTUs)	9.85	6.10	0.89	3.40	3.29				
DO - (mg/L)	2.88	2.62	2.64	2.65	2.64				
Salinity (ppt)	-	-	-	-	-				
ORP (mV)	76.4	81.1	81.9	82.5	81.8				

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (m/d/y)	4/14/20
Field Personnel	M. Dockwell
Site Name	UTC Delavan Spray Technologies Site
AECOM Job #	60314964
Sample ID*	MW-26D
Upgradient	X
Downgradient	
Sidegradient	
Source	
Weather Conditions	Sunny
Air Temperature	85°
Total Well Depth (TWD) =	48.00
Depth to Ground Water (DGW) =	9.86
Length of Water Column (LWC) = TWD - DGW =	38.14
1 Casing Volume (OCV)* = LWC x	0.163
3 Casing Volumes =	18.65
Method of Sample Evacuation	gal = Standard Evacuation Volume
Method of Sample Collection	Purge with Peristaltic Pump
Total Volume of Water Removed	1.80

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	
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	1410	
Sample Time	VOC's	
Sample Analytes	Heck Ferkit	

* - 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	0.30	0.60	1.0	1.40	1.80				
VOLUME PURGED (gallons)	1340	1350	1355	1400	1405				
TIME (Military)	9.86	9.87	9.90	9.90	9.90				
Water Level (ft BTOC)	7.47	7.46	7.44	7.45	7.45				
pH (S U)	0.269	0.268	0.268	0.268	0.268				
Sp Cond (mS/cm)	21.2	21.5	21.7	21.9	22.0				
Water Temp. (°C)	42.36	213.6	87.89	15.62	0.93				
Turbidity (NTUs)	2.36	2.31	2.29	2.25	2.23				
DO - (mg/L)	-	-	-	-	-				
Salinity (ppt)	75.7	79.1	84.8	70.9	69.8				
ORP (mV)									

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr) April 14 2020
 Field Personnel Randy Morgan
 Site Name UTC Delavan Spray Technologies Site
 AECOM Job # 60314964
 Sample ID* MW-27
 Upgradient clear Downgradient sunny Sidegradient Source
 Weather Conditions 70.5 " F
 Air Temperature 70.5 " F
 Total Well Depth (TWD) = 29.00 1/100 ft
 Depth to Ground Water (DGW) = 6.84 1/100 ft
 Length of Water Column (LWC) = TWD - DGW = 22.16 1/100 ft
 1 Casing Volume (OCV)* = LWC x 0.163 gal = Standard Evacuation Volume
 3 Casing Volumes = 10.83 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 2.0 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 19 - 29
 Dedicated Pump or Bailor YES NO Type Subsiding
 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 Sample Time 1420
 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	1.40	1.80	1.20	1.60	2.0	2.0	2.0	2.0	2.0
VOLUME PURGED (gallons)	1353	1358	1403	1408	1413	1418	1423	1428	1433
TIME (Military)	7:32	7:52	7:63	7:69	7:69	7:69	7:69	7:69	7:69
Water Level (ft BTOC)	4.97	4.87	4.84	4.92	4.66	4.63	4.63	4.63	4.63
pH (S U)	0.036	0.036	0.039	0.039	0.037	0.038	0.038	0.038	0.038
Sp Cond (mS/cm)	21.0	21.1	21.5	21.8	21.9	21.5	21.5	21.5	21.5
Water Temp. (°C)	7.68	3.04	2.59	2.29	3.29	2.93	2.93	2.93	2.93
Turbidity (NTUs)	5.11	7.97	4.80	4.61	4.59	4.59	4.59	4.59	4.59
DO - (mg/L)	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Salinity (ppt)	174.1	178.5	177.8	177.8	177.8	177.8	177.8	177.8	177.8
ORP (mV)									

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr) April 14, 2020
 Field Personnel Randy Morgan
 Site Name UTC Delavan Spray Technologies Site
 AECOM Job # 60314964
 Sample ID* MW-28

Upgradient Downgradient Sidegradient Source
 Weather Conditions Clear/Sunny
 Air Temperature 80.5 °F

Total Well Depth (TWD) = 29.00 1/100 ft
 Depth to Ground Water (DGW) = 11.53 1/100 ft
 Length of Water Column (LWC) = TWD - DGW = 17.47 1/100 ft
 1 Casing Volume (OCV)* = LWC x 0.163 gal = Standard Evacuation Volume
 3 Casing Volumes = 8.52 gal

Method of Sample Evacuation Purge with Peristaltic Pump
 Method of Sample Collection Peristaltic Pump Reverse Flow for VOC's
 Total Volume of Water Removed 2.80 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 19 - 29
 Dedicated Pump or Bailor YES NO Type Pushing
 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 1520
 Sample Time 1520
 Sample Analytes VOC's
 Hack Fe Kit N/A 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	40	80	120	160	200	240	280
TIME (Military)	1443	1448	1453	1458	1503	1508	1513	1518
Water Level (ft BTOW)	12.20	12.70	13.43	13.03	13.09	13.13	13.13	13.13
pH (S U)	6.18	6.19	6.14	6.35	6.49	6.60	6.66	6.70
Sp. Cond. (mS/cm)	0.133	0.126	0.142	0.156	0.166	0.176	0.184	0.189
Water Temp. (°C)	22.0	22.1	22.3	22.2	22.1	22.2	22.2	22.0
Turbidity (NTUs)	35.92	16.74	12.20	10.80	9.92	9.40	6.59	7.22
DO - (mg/L)	2.00	1.81	1.70	1.73	1.76	1.78	1.80	1.86
Salinity (ppt)	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.09
ORP (mV)	63.6	111.3	179.4	169.3	63.7	59.4	58.3	58.9

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr) April 14, 2020
 Field Personnel Randy Morgan
 Site Name UTC Delavan Spray Technologies Site
 AECOM Job # 60314964
 Sample ID* MW-29
 Upgradient Clear Sunny Sidegradient Source
 Weather Conditions Clear Sunny
 Air Temperature 70's °F
 Total Well Depth (TWD) = 29.00 1/100 ft
 Depth to Ground Water (DGW) = 6.15 1/100 ft
 Length of Water Column (LWC) = TWD - DGW = 22.85 1/100 ft
 1 Casing Volume (OCV)* = LWC x 0.163 gal = 3.72 gal
 3 Casing Volumes = 11.17 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 1.60 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 19 - 29
 Dedicated Pump or Bailer YES NO Type 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 X
 Comments/Observations 1333
 Sample Time 1333
 Sample Analytes VOC's
 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 0.163 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	1.20	1.60
Water Level (ft BTOC)	1313	1328	1333
pH (S.U.)	6.48	6.58	6.58
Sp. Cond. (mS/cm)	5.52	5.33	5.33
Water Temp (°C)	0.045	0.047	0.047
Turbidity (NTUs)	21.5	21.6	21.9
DO - (mg/L)	4.52	2.52	2.08
Salinity (ppt)	1.61	1.23	1.24
ORP (mV)	99.3	107.1	105.6
		105.6	105.6

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr)	<u>4-14-2020</u>		
Field Personnel	<u>M. Rockwell / R. Morgan</u>		
Site Name	<u>UTC Delavan Spray Technologies Site</u>		
AECOM Job #	<u>60319164</u>		
Sample ID*	<u>MW-30D</u>		
Upgradient	Downgradient	Sidegradient	Source
	<u>Sunny</u>	<u>80°</u>	
Weather Conditions	<u>80°F</u>		
Air Temperature	<u>59.78</u>		
Total Well Depth (TWD) =	<u>4.72</u>		
Depth to Ground Water (DGW) =	<u>58.00</u>		
Length of Water Column (LWC) = TWD - DGW =	<u>0.163</u>		
1 Casing Volume (OCV)* = LWC x	<u>0.163</u>		
3 Casing Volumes =	<u>26.92</u>		
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>0.75</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)

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>49</u>	<u>59</u>	1/100 ft
Dedicated Pump or Bailer	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>@ 1130</u>		
Sample Time	<u>VOC</u>		
Sample Analytes	<u>N/A</u>		
Hack Fe Kit	<u>mg/L</u>		

FIELD ANALYSES

Initial	0-25	0.50	0.75						
VOLUME PURGED (gallons)									
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 (m/day/yr)	4/14/2020		
Field Personnel	M. Beckwell / R. Morgan		
Site Name	UTC Delavan Spray Technologies Site		
AECOM Job #	60314964		
Sample ID*	MW-31D		
Upgradient	Downgradient	Sidegradient	Source
Weather Conditions	Sunny 80°		
Air Temperature	° F		
Total Well Depth (TWD) =	60.35	1/100 ft	
Depth to Ground Water (DGW) =	8.61	1/100 ft	
Length of Water Column (LWC) = TWD - DGW =	51.74	1/100 ft	
1 Casing Volume (OCV)* = LWC x	0.163	gal	
3 Casing Volumes =	25.30	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	0.90 gal		

* - 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).

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	50 - 60	
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 VOC	
Sample Time		
Sample Analytes		
Heck Fe Kit	mg/L	

FIELD ANALYSES

VOLUME PURGED (gallons)	Initial	0.30	0.60	0.90
TIME (Military)	1140	1145	1150	1155
Water Level (ft BTWC)	8.61	8.63	8.64	8.64
pH (S U)	7.68	7.77	7.77	7.77
Sp Cond (mS/cm)	0.256	0.253	0.253	0.253
Water Temp (°C)	20.0	19.8	19.8	20.0
Turbidity (NTUs)	10.59	5.37	4.77	3.76
DO - (mg/L)	5.27	3.90	3.89	3.86
Salinity (ppt)	-	-	-	-
ORP (mV)	58.6	64.4	68.2	69.4

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr) 4/14/20
 Field Personnel M. Rockwell
 Site Name UTC Delavan Spray Technologies Site
 AECOM Job # 60314964
 Sample ID* MW-32DR
 Upgradient Summit Downgradient Summit Sidegradient Summit Source Summit
 Weather Conditions Sunny 85° °F
 Air Temperature 53.65 1/100 ft
 Total Well Depth (TWD) = 6-49 1/100 ft
 Depth to Ground Water (DGW) = 47.16 1/100 ft
 Length of Water Column (LWC) = TWD - DGW = 7.68 1/100 ft
 1 Casing Volume (OCV)* = LWC x 0.163 = 23.06 gal
 3 Casing Volumes = 69.18 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 1.50 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 N/A 1/100 ft
 Dedicated Pump or Bailor YES NO Type X
 Steel Guard Pipe Around Casing YES NO X
 Locking Cap YES NO X
 Protective Post/Abutment YES NO X
 Well Integrity Satisfactory YES NO X
 Yield LOW MODERATE HIGH
 Comments/Observations @ 1325
 Sample Time @ 1325
 Sample Analytes VOC's
 Hook Per Nit mg/L
 MW-32DR-Dup
 @ 1330

* - 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).

VOLUME PURGED (gallons)		FIELD ANALYSES									
TIME (Military)	Initial	0.30	0.60	0.90	1.20	1.50					
Water Level (ft BTWC)	125.5	130.0	130.5	131.0	131.5	132.0					
pH (S.U.)	6.49	6.51	6.54	6.54	6.54	6.54					
Sp. Cond. (mS/cm)	7.50	7.43	7.39	7.46	7.48	7.51					
Water Temp. (°C)	0.215	0.210	0.215	0.216	0.215	0.216					
Turbidity (NTUs)	20.0	20.4	20.3	20.4	20.5	20.6					
DO - (mg/L)	2.99	1.82	0.73	1.61	1.37	1.51					
Salinity (ppt)	3.97	3.64	3.57	1.78	1.73	1.70					
ORP (mV)	-	-	-	-	-	-					
	77.0	78.8	76.2	71.2	71.3	71.2					

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (m/d/y)	1/14/20		
Field Personnel	Rakewell, Morgan		
Site Name	UTC Delavan Spray Technologies Site		
AECOM Job #	60314964		
Sample ID*	MW-33D		
Upgradient	Downgradient	Sidegradient	Source
Weather Conditions	Sunny		
Air Temperature	85°		° F
Total Well Depth (TWD) =	76.55		1/100 ft
Depth to Ground Water (DGW) =	12.77		1/100 ft
Length of Water Column (LWC) = TWD - DGW =	63.78		1/100 ft
1 Casing Volume (OCV)* = LWC x 0.163	10.39		gal
3 Casing Volumes =	31.18		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	1.30		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									
VOLUME PURGED (gallons)	Initial	0.25	0.50	0.75	1.30				
TIME (Military)	1515	1520	1525	1530	1535				
Water Level (ft BTWC)	12.76	12.79	12.80	12.79	12.79				
pH (S.U.)	8.14	8.12	7.87	7.87	7.86				
Sp. Cond. (mS/cm)	0.229	0.227	0.234	0.234	0.236				
Water Temp. (°C)	21.0°	20.9°	20.7°	20.6°	20.6°				
Turbidity (NTUs)	4.68	3.17	2.49	1.71	2.11				
DO - (mg/L)	7.10	6.64	3.57	3.61	3.54				
Salinity (ppt)	-	-	-	-	-				
ORP (mV)	66.9	67.1	68.7	68.8	69.1				

COMMENTS/OBSERVATIONS

* NO Tubing upon arrival — added new 3 left

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr)	<u>4-15-2020</u>		
Field Personnel	<u>Reckwell / Morgan</u>		
Site Name	<u>UTC Delavan Spray Technologies Site</u>		
AECOM Job #	<u>60314964</u>		
Sample ID*	<u>MW-34D</u>		
Upgradient	Downgradient	Sidegradient	Source
	<u>cloudy</u>		
Weather Conditions			
Air Temperature	<u>60°</u> °F		
Total Well Depth (TWD) =	<u>83.63</u> 1/100 ft		
Depth to Ground Water (DGW) =	<u>13.68</u> 1/100 ft		
Length of Water Column (LWC) = TWD - DGW =	<u>69.95</u> 1/100 ft		
1 Casing Volume (OCV)* = LWC x	<u>0.163</u> gal = Standard Evacuation Volume		
3 Casing Volumes =	<u>34.20</u> gal		
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>1.90</u> gal		

Casing Diameter	<u>2.0</u> inches	
Casing Material	<u>PVC</u>	
Measuring Point Elevation	<u>1/100 ft</u>	
Height of Riser (above land surface)	<u>1/100 ft</u>	
Land Surface Elevation	<u>1/100 ft</u>	
Screened Interval	<u>1/100 ft</u>	
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	<u>@ 0840</u>	
Sample Time	<u>VOC's</u>	
Sample Analytes	<u>Haek Per Kit</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										
VOLUME PURGED (gallons)	Initial	0.23	0.60	1.0	1.40	1.90				
TIME (Military)	0810	0815	0820	0825	0830	0835				
Water Level (ft BTWC)	10.68	10.73	10.75	10.75	10.75	10.75				
pH (S.U.)	8.90	8.93	8.94	8.92	8.93	8.93				
Sp. Cond. (mS/cm)	0.336	0.399	0.382	0.350	0.349	0.348				
Water Temp. (°C)	17.9	17.9	17.9	17.8	17.7	17.7				
Turbidity (NTUs)	22.63	15.68	18.88	7.93	8.41	9.80				
DO - (mg/L)	7.44	1.31	1.06	1.08	1.05	1.07				
Salinity (ppt)	-	-	-	-	-	-				
ORP (mV)	36.3	33.8	23.9	18.7	17.4	17.9				

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr)	4/15/20
Field Personnel	Rockwell / Morgan
Site Name	UTC Delavan Spray Technologies Site
AECOM Job #	60314964
Sample ID*	MW-35D
Upgradient	Downgradient
Sidegradient	Source
Weather Conditions	cloudy
Air Temperature	60.0° F
Total Well Depth (TWD) =	76.55
Depth to Ground Water (DGW) =	11.77
Length of Water Column (LWC) = TWD - DGW =	64.78
1 Casing Volume (OCV)* = LWC x	0.163
3 Casing Volumes =	31.67
Method of Sample Evacuation	Purge with Peristaltic Pump
Method of Sample Collection	Peristaltic Pump Reverse Flow for VOC's
Total Volume of Water Removed	2.0

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 Bailer	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:	0930	
Sample Analytes:	VOC's	
Heck-Felt		

* - 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	0.40	0.80	1.20	1.60	2.0
TIME (Military)	0900	0905	0910	0915	0920	0925
Water Level (ft BTOC)	11.77	11.78	11.80	11.81	11.81	11.81
pH (S.U.)	8.29	8.25	8.17	7.95	7.93	7.91
Sp. Cond. (mS/cm)	0.230	0.229	0.228	0.233	0.233	0.233
Water Temp. (°C)	17.9	18.0	18.0	18.1	18.1	18.0
Turbidity (NTUs)	12.18	7.31	4.89	1.96	1.31	1.45
DO - (mg/L)	4.18	3.86	3.65	3.40	3.36	3.32
Salinity (ppt)	-	-	5	-	-	-
ORP (mV)	49.3	40.7	35.5	31.5	32.7	33.3

COMMENTS/OBSERVATIONS

* no tubing -- added new tubing 3 left

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page 1 of 1

Date (mo/day/yr)	<u>April 25, 2020</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-36D</u>		
Upgradient	Downgradient	Sidegradient	Source
	<u>Clear</u>	<u>73444</u>	
Weather Conditions	<u>60's</u>		
Air Temperature	° F		
Total Well Depth (TWD) =	<u>65.82</u> 1/100 ft		
Depth to Ground Water (DGW) =	<u>2.15</u> 1/100 ft		
Length of Water Column (LWC) = TWD - DGW =	<u>63.67</u> 1/100 ft		
1 Casing Volume (OCV)* = LWC x	<u>0.163</u> gal = Standard Evacuation Volume		
3 Casing Volumes =	<u>31.13</u>		
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>2.0</u> gal		

Casing Diameter	<u>2.0</u> inches	
Casing Material	<u>PVC</u>	
Measuring Point Elevation	<u>1/100 ft</u>	
Height of Riser (above land surface)	<u>1/100 ft</u>	
Land Surface Elevation	<u>1/100 ft</u>	
Screened Interval	<u>1/100 ft</u>	
Dedicated Pump or Bailer	YES <u>X</u>	NO <u>X</u> Type <u>Tubing</u>
Steel Guard Pipe Around Casing	YES <u>X</u>	NO <u>X</u>
Locking Cap	YES <u>X</u>	NO <u>X</u>
Protective Post/Abutment	YES <u>X</u>	NO <u>X</u>
Well Integrity Satisfactory	YES <u>X</u>	NO <u>X</u>
Yield	LOW <u>X</u>	MODERATE <u>X</u> HIGH <u>X</u>
Comments/Observations	<u>1152</u>	
Sample Time:	<u>1152</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		FIELD ANALYSES	
VOLUME PURGED (gallons)	Initial	Final	Volume
TIME (Military)	<u>1125</u>	<u>1130</u>	<u>5.0</u>
Water Level (ft BTWC)	<u>2.27</u>	<u>2.27</u>	<u>1135</u>
pH (S.U.)	<u>7.17</u>	<u>7.88</u>	<u>2.27</u>
Sp. Cond. (mS/cm)	<u>0.280</u>	<u>0.287</u>	<u>7.67</u>
Water Temp. (°C)	<u>18.0</u>	<u>18.1</u>	<u>7.56</u>
Turbidity (NTUs)	<u>13.74</u>	<u>4.41</u>	<u>0.242</u>
DO - (mg/L)	<u>4.17</u>	<u>0.49</u>	<u>0.246</u>
Salinity (ppt)	<u>0.13</u>	<u>0.14</u>	<u>0.247</u>
ORP (mV)	<u>-100.0</u>	<u>-205.2</u>	<u>18.1</u>
			<u>2.68</u>
			<u>0.36</u>
			<u>0.14</u>
			<u>-151.7</u>
			<u>-151.1</u>

COMMENTS/OBSERVATIONS

FIELD DATA LOG FOR SURFACE WATER/SEDIMENT SAMPLING

Page 1 of 1

Date (yr/mo/day)	4/15/2020																													
Field Personnel	Randy Morgan / Mariah Rockwell																													
Site Name	Delavan Spray Technologies																													
Earth Tech Job No.																														
Sample Station ID	SW-01-LC																													
Surface Water	X	Sediment																												
Weather Conditions	Sunny																													
Air Temperature (°C)	62°F																													
<table border="1"> <thead> <tr> <th colspan="2">Surface Water</th> <th>Sediment</th> </tr> </thead> <tbody> <tr> <td>Bailer</td> <td></td> <td>Stainless-Steel Scoop</td> </tr> <tr> <td>Bottle</td> <td>X</td> <td>Stainless-Steel Scoop</td> </tr> <tr> <td>Other (Specify)</td> <td></td> <td>Other (Specify)</td> </tr> </tbody> </table>			Surface Water		Sediment	Bailer		Stainless-Steel Scoop	Bottle	X	Stainless-Steel Scoop	Other (Specify)		Other (Specify)																
Surface Water		Sediment																												
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Other (cyanide)																														
(PPT) - Parts Per Thousand (NTU) - Nephelometric Turbidity Units (MV) - Millivolts (umhos/cm) - Micro mhos Per Centimeter																														

Field Analysis	
Time (Military)	Surface Water 1620
pH (S.U.)	6.30
ORP (mV)	165.7
Specific Conductivity (mS/cm)	6.116
Water temperature (°C)	20.0
Dissolved Oxygen (mg/L)	5.18
Turbidity (NTU)	11.30
Salinity (PPT)	N/A
Ferrous Iron	N/A

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

Comments/Observations:

Lemon Creek at intersection with
 Buxton Bridge Rd (US Hwy 60)

Sample @ 1615

FIELD DATA LOG FOR SURFACE WATER/SEDIMENT SAMPLING

Page 1 of 1

Date (yr/mo/day) <u>4/15/20</u>		Field Analysis	
Field Personnel <u>Randy Morgan / Mariah Rockwell</u>		Surface Water	
Site Name <u>Delavan Spray Technologies</u>		Sediment	
Earth Tech Job No. _____		Time (Military) <u>1700</u>	
Sample Station ID <u>SW-02-LC</u>		pH (S.U.) <u>6.24</u>	
Surface Water <u>X</u> Sediment _____		ORP (mV) <u>102.0</u>	
Weather Conditions <u>Sunny</u>		Specific Conductivity (mS/cm) <u>0.082</u>	
Air Temperature (°C) <u>60°</u>		Water temperature (°C) <u>18.1°</u>	
Bailer _____		Dissolved Oxygen (mg/L) <u>6.59</u>	
Stainless-Steel Scoop _____		Turbidity (NTU) <u>8.66</u>	
Bottle <u>X</u> _____		Salinity (PPT) <u>NA</u>	
Other (Specify) _____		Ferrous Iron <u>NA</u>	
Sample Container		*(1) Clear (2) Slight (3) Moderate (4) High	
Preservative (Y/N, Type)			
Surface Water			
Sediment			
VOCs	<u>X</u>		
SVOCs			
Pest/PCBs			
Metals			
TPH			
Other (cyanide)			
(PPT) - Parts Per Thousand			
(NTU) - Nephelometric Turbidity Units			
(MV) - Millivolts			
(umhos/cm) - Micro mhos Per Centimeter			
Comments/Observations:			
<u>Lemon Creek at intersection with Main Hwy (US Hwy 301)</u>			
<u>Sample @ 1700</u>			

FIELD DATA LOG FOR SURFACE WATER/SEDIMENT SAMPLING

Page 1 of 1

Date (yr/mo/day)	4/15/20		
Field Personnel	Randy Morgan / Mariah Rockwell		
Site Name	Delavan Spray Technologies		
Earth Tech Job No.			
Sample Station ID	SW-03-HMB		
Surface Water	X	Sediment	
Weather Conditions	Sunny		
Air Temperature (°C)	60°		
	Surface Water	Sediment	
Bailer		Stainless-Steel Scoop	
Bottle	X	Stainless-Steel Scoop	
Other (Specify)		Other (Specify)	
	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	
Time (Military)	Surface Water 1710
pH (S.U.)	6.45
ORP (mV)	122.9
Specific Conductivity (mS/cm)	0.135
Water temperature (°C)	18.6°
Dissolved Oxygen (mg/L)	8.38
Turbidity (NTU)	25.34
Salinity (PPT)	NA
Ferrous Iron	NA
* (1) Clear (2) Slight (3) Moderate (4) High	
Comments/Observations:	
Halfmoon Branch at intersection with main Hwy (US Hwy 301)	
sample C1715	

FIELD DATA LOG FOR SURFACE WATER/SEDIMENT SAMPLING

Page 1 of 1

Date (yr/mo/day)	<u>4-15-2020</u>																									
Field Personnel	<u>Randy Morgan / Mariah Rockwell</u>																									
Site Name	<u>Delavan Spray Technologies</u>																									
Earth Tech Job No.	<u></u>																									
Sample Station ID	<u>SW-04-TLC</u>																									
Surface Water	<u>X</u>	Sediment	<u></u>																							
Weather Conditions	<u>windy, sunny</u>																									
Air Temperature (°C)	<u>60°</u>																									
Bailer	Surface Water	Sediment																								
Bottle	<u>X</u>	Stainless-Steel Scoop																								
Other (Specify)		Stainless-Steel Scoop																								
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(PPT) - Parts Per Thousand (NTU) - Nephelometric Turbidity Units (MV) - Millivolts (umhos/cm) - Micro mhos Per Centimeter																										

Field Analysis	
	Surface Water
Time (Military)	<u>1630</u>
pH (S.U.)	<u>5.68</u>
ORP (mV)	<u>221.6</u>
Specific Conductivity (mS/cm)	<u>0.038</u>
Water temperature (°C)	<u>22.1°</u>
Dissolved Oxygen (mg/L)	<u>6.54</u>
Turbidity (NTU)	<u>1.93</u>
Salinity (PPT)	<u>NA</u>
Ferrous Iron	<u>NA</u>

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

Comments/Observations:

Tributary to Lemon Creek of intersection
the power line rightaway
Sample C, 1630

IDW MANAGEMENT FORM

PROJECT: UTC Delavan Spray Technologies Site RI

SITE NAME: Delavan Spray Technologies Site

LOCATION: Bamberg, South Carolina

PROJECT #: 60314964

AECOM[illegible]

4-13-2020 UTC Delavan

4-13-2020 pick up equipment and mb
to Colmanba w/ D Fresh travel on 4-14-20
4-14-2020 arrived in Lumburg at 0700
purchased ice for sample coolers
0710 on site begin to open wells
outside fenced area
0755 Mariah arrives on site -
Both of us check in at office - we
will not need to sign in and we will
not be going inside bldg.
0800 complete A & S Hallgate
meeting.

Spike w/ Devere about drum storage
area, it will be open to us to put
IDW into our 55 gal steel drums.
0815 continue opening wells and
collecting water levels
1030 complete water level - decide up
equipment with Mariah
1108 Randy begins to calibrate YSF
Pm flux 15x43732
take drums to drum storage area
1145 Carry equipment to MW-75 set up
to micro purge
1205 begin to micro purge MW-15

UTC Delavan

7-17-20

(19)

1249 Sampled MW-15 mps
Collect water levels at MW-150 & DF
1313 at MW-29 begin to micro purge
1335 Sampled MW-29
1353 at MW-27 begin to micro
purge
1420 Sampled MW-29
1443 at MW-28 begin to micro purge
1520 Sampled MW-28
1535 at MW-120 - to micro purge
Take readings every 10 minutes until
stabilizes then every 5 minutes
1702 Sampled MW-120
1715 empty purge water into 55 gal
Steel Drum.
1725 off site to motel in Orangeburg
1800 end of day.
Samples stored on ice in secure
location w/ Trip Blank #1 (Randy)
(Trip Blank #2 Mariah)

Randy Morgan 4-14-2020

0630 Calibrate YSI Pro Plus SW3732
 water quality meter in motel room - rain in
 Barbours this morning.
 0725 purchase ice for sample coolers
 0730 arrive on site RT+S Boettner
 Complete drum inventory at dump
 Storage area
 0808 Out MW-130 begin to micro purge
 0830 Sampled MW-130
 0900 at MW-16 begin to micro purge
 0932 Sampled MW-16
 0943 at MW-14 begin to micro purge
 1025 Sampled MW-14
 1035 at MW-140 begin to micro purge
 1102 Sampled MW-140 also dip 140a
 1125 at MW-360 begin to micro purge
 1152 Sampled MW-360
 1220 at MW-10 begin to micro purge
 1247 Sampled MW-10
 1255 at MW-9 begin to micro purge
 1329 Sampled MW-9 MS/MSD
 1335 Empty purge cooler
 1348 at MW-8 begin to micro purge
 1415 Sampled MW-8
 1423 at MW-4 begin to micro purge
 1450 Sampled MW-1 Ranch House 1450

1458 at MW-21 begin to micro purge
 1525 Sampled MW-21
 1535 empty all purge water into (1)
 55 gal steel drum in drum storage area
 1545 collect Aqueous EDW sample
 from the (1) EDW drum to all wells
 sampled this event.
 prepare to collect (4) surface water
 samples
 1615 collect SW-01-LC on north
 side of bridge on Hwy 601
 1630 collect SW-04-72C on
 power line right at way passed
 through first run off that come to
 the tributary flowing
 1700 collect SW-02-LC close to
 Lemm Creek Rd on Hwy 301 at bridge
 1715 collect SW-03 HMB at culvert
 near power line right a way on Hwy 301
 1730 leave site to purchase additional
 ice to pack and ship samples in Columbia SC
 1900 at Red LX Columbia SC shipped samples
 2030 at Columbia SC - returned samples
 2100 at ATECO on shore - end of event.
 Randy Morgan

30
12/05/19 45°F M. Rockwell
0630 Leave Greenville office.
0915 Arrive @ Delaware facility,
wait for survey crew to finish
@ site in point.
0930 H/S meeting, discuss scope of
work.
0940 Take measurement @ well.
11 parking lot (MW-21D)
0957 measurement @ MW-36D
1011 Survey @ MW-34D
1018 Survey @ MW 35D
1036 Survey @ MW 33D
1050 Mr. Johnston told me that he was
unhappy w/ dug out area in front of
well and wants it filled in.
1100 Back @ MW-21D for another
measurement.
1140 Everyone off site. Darnob back
to Greenville.
1430 Stopped to get gas.
1500 Back @ office

[Signature]
12/05/19

4/14/2020 56°F M. Rockwell
0515 Leave Greenville, SC OTW to Bamberg
0800 Arrive @ UTC Delaware. Meet w/
Randy - check into facility
0900 Meet w/ Devane about purge water
0905 Cont. W.L.'s & opening wells.
1050 Return to facility. Split up
equipment. Begin @ Bamberg permits
1110 Began purge MW-30D
1130 Sampled MW-30D
1140 Began purge MW-31D
1200 Sampled MW-31D
1215 Began purge MW-25D
1240 Sampled MW-25D
1255 Began purge MW-32DR
1325 Sampled MW-32DR
1330 Sampled MW-32DR - Dup
1340 Began purge MW-26D
1410 Sampled MW-26D
1415 Began purge MW-22D
1440 Sampled MW-22D
1445 Sampled MW-22D - Dup
1515 Began purge MW-33D
1540 Sampled MW-33D
1600 Dumped purge water left site
for Hotel / Arrived @ Hotel 1700
M. 11/17 4-14-20

	4/15/20	60°F	M. Rockwell
0600	Leave Hotel.		
0730	Arrive on site. H/S meeting w/ E Morgan		
0810	Begin purge MW-34D		
0840	Sampled MW-34D		
0900	Began purge MW-35D		
0930	Sampled MW-35D		
0955	Began purge MW-7		
1020	Sampled MW-7		
1030	Began Purge MW-3		
1055	Sampled MW-3		
1105	Began purge MW-3D		
1130	Sample MW-3D		
1135	Sample MW-3D-Ms/MSD		
1140	Pump purge water, check out of hotel.		
1320	Back on site. Meet w/ Randy		
1345	Began purge MW-5		
1410	Sampled MW-5		
1415	Began purge MW-24		
1455	Sampled MW-24		
1456	Began purge MW-21D		
1520	Sampled MW-21D		
1530	Pump FDW - take FDW sample		
1620	Leave site.		
1930	Arrive @ Greenville office.		4/15

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

United Technologies Corporation

AECOMSCG: Delavan Spray Technologies; Bamberg, SC

60629985.20

SGS Job Number: FA74279

Sampling Dates: 04/14/20 - 04/15/20



Report to:

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

ATTN: Doria Cullom

Total number of pages in report: **128**



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.



Caitlin Brice, M.S.
General Manager

Client Service contact: Heather Wandrey 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), IL(200063), NC(573), NJ(FL002), NY(12022), SC(96038001)
DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177),
AK, AR, IA, KY, MA, MS, ND, NH, NV, OK, OR, UT, WA, WV

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Test results relate only to samples analyzed.

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Sample Summary

United Technologies Corporation

Job No: FA74279

AECOMSCG: Delavan Spray Technologies; Bamberg, SC
Project No: 60629985.20

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

FA74279-1	04/14/20	00:00	RMMR04/16/20	AQ	Trip Blank Water	TRIP BLANK 1
FA74279-2	04/14/20	00:00	RMMR04/16/20	AQ	Trip Blank Water	TRIP BLANK 2
FA74279-3	04/14/20	12:00	RMMR04/16/20	AQ	Ground Water	MW-31D
FA74279-4	04/14/20	11:30	RMMR04/16/20	AQ	Ground Water	MW-30D
FA74279-5	04/14/20	12:47	RMMR04/16/20	AQ	Ground Water	MW-15
FA74279-6	04/14/20	12:40	RMMR04/16/20	AQ	Ground Water	MW-25D
FA74279-7	04/14/20	13:25	RMMR04/16/20	AQ	Ground Water	MW-32DR
FA74279-8	04/14/20	13:30	RMMR04/16/20	AQ	Ground Water	MW-32DR-DUP
FA74279-9	04/14/20	13:35	RMMR04/16/20	AQ	Ground Water	MW-29
FA74279-10	04/14/20	14:10	RMMR04/16/20	AQ	Ground Water	MW-26D
FA74279-11	04/14/20	14:20	RMMR04/16/20	AQ	Ground Water	MW-27
FA74279-12	04/14/20	14:40	RMMR04/16/20	AQ	Ground Water	MW-22D



Sample Summary
(continued)

United Technologies Corporation

Job No: FA74279

AECOMSCG: Delavan Spray Technologies; Bamberg, SC
Project No: 60629985.20

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
FA74279-13	04/14/20	14:45	RMMR04/16/20	AQ	Ground Water	MW-22D-DUP
FA74279-14	04/14/20	15:20	RMMR04/16/20	AQ	Ground Water	MW-28
FA74279-15	04/14/20	15:40	RMMR04/16/20	AQ	Ground Water	MW-33D
FA74279-16	04/14/20	17:02	RMMR04/16/20	AQ	Ground Water	MW-12D
FA74279-17	04/15/20	08:40	RMMR04/16/20	AQ	Ground Water	MW-34D
FA74279-18	04/15/20	08:50	RMMR04/16/20	AQ	Ground Water	MW-13D
FA74279-19	04/15/20	09:30	RMMR04/16/20	AQ	Ground Water	MW-35D
FA74279-20	04/15/20	09:32	RMMR04/16/20	AQ	Ground Water	MW-16
FA74279-21	04/15/20	10:20	RMMR04/16/20	AQ	Ground Water	MW-7
FA74279-22	04/15/20	10:25	RMMR04/16/20	AQ	Ground Water	MW-14
FA74279-23	04/15/20	10:55	RMMR04/16/20	AQ	Ground Water	MW-3
FA74279-24	04/15/20	11:02	RMMR04/16/20	AQ	Ground Water	MW-14D
FA74279-25	04/15/20	11:02	RMMR04/16/20	AQ	Ground Water	MW-14D-A



Sample Summary
(continued)

United Technologies Corporation

Job No: FA74279

AECOMSCG: Delavan Spray Technologies; Bamberg, SC
Project No: 60629985.20

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
FA74279-26	04/15/20	11:30	RMMR04/16/20	AQ	Ground Water	MW-3D
FA74279-26D	04/15/20	11:30	RMMR04/16/20	AQ	Water Dup/MSD	MW-3D
FA74279-26S	04/15/20	11:30	RMMR04/16/20	AQ	Water Matrix Spike	MW-3D
FA74279-27	04/15/20	11:52	RMMR04/16/20	AQ	Ground Water	MW-36D
FA74279-28	04/15/20	12:47	RMMR04/16/20	AQ	Ground Water	MW-10
FA74279-29	04/15/20	13:27	RMMR04/16/20	AQ	Ground Water	MW-9
FA74279-29D	04/15/20	13:27	RMMR04/16/20	AQ	Water Dup/MSD	MW-9
FA74279-29S	04/15/20	13:27	RMMR04/16/20	AQ	Water Matrix Spike	MW-9
FA74279-30	04/15/20	14:10	RMMR04/16/20	AQ	Ground Water	MW-5
FA74279-31	04/15/20	14:15	RMMR04/16/20	AQ	Ground Water	MW-8
FA74279-32	04/15/20	14:50	RMMR04/16/20	AQ	Ground Water	MW-1
FA74279-33	04/15/20	14:55	RMMR04/16/20	AQ	Ground Water	MW-24
FA74279-34	04/15/20	15:20	RMMR04/16/20	AQ	Ground Water	MW-21D



Sample Summary
(continued)

United Technologies Corporation

Job No: FA74279

AECOMSCG: Delavan Spray Technologies; Bamberg, SC
Project No: 60629985.20

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
FA74279-35	04/15/20	15:25	RMMR04/16/20	AQ	Ground Water	MW-21
FA74279-36	04/15/20	16:15	RMMR04/16/20	AQ	Surface Water	SW-01-LC
FA74279-37	04/15/20	16:30	RMMR04/16/20	AQ	Surface Water	SW-04-TLC
FA74279-38	04/15/20	17:00	RMMR04/16/20	AQ	Surface Water	SW-02-LC
FA74279-39	04/15/20	17:15	RMMR04/16/20	AQ	Surface Water	SW-03-HMB
FA74279-40	04/15/20	15:45	RMMR04/16/20	AQ	Water	AQUEOUS IDW

SAMPLE DELIVERY GROUP CASE NARRATIVE

2

Client: United Technologies Corporation

Job No: FA74279

Site: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Report Date 4/29/2020 7:42:28 AM

38 Sample(s), 2 Trip Blank(s) and 0 Field Blank(s) were collected between 04/14/2020 and 04/15/2020 and were received at SGS North America Inc - Orlando on 04/16/2020 properly preserved, at 3.7 Deg. C and intact. These Samples received an SGS Orlando job number of FA74279. 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: V3C400

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA74279-29MS, FA74279-29MSD were used as the QC samples indicated.

Sample(s) FA74279-23 have compounds reported with "E" qualifiers indicating estimated value exceeding calibration range. Sample inadvertently was not reanalyzed at higher dilution.

Matrix Spike Recovery(s) for cis-1,2-Dichloroethylene, Trichloroethylene, Tetrachloroethylene are outside control limits. Outside control limits due to high level in sample relative to spike amount.

Matrix Spike Duplicate Recovery(s) for 1,1-Dichloroethane, 1,2-Dichloropropane, Benzene, cis-1,2-Dichloroethylene, Tetrachloroethylene, Toluene, trans-1,2-Dichloroethylene, Trichloroethylene are outside control limits. Probable cause is due to matrix interference.

FA74279-29MS/MSD: Sample was not preserved to a pH < 2.

FA74279-18, 19, 20, 21, 22, 23, 24, 25, 27, 29, 30, 31, 33, 34 for Methyl Chloride: Associated CCV outside of control limits low.

FA74279-18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 29, 30, 31, 32, 33, 34: Sample was not preserved to a pH < 2.

Matrix: AQ

Batch ID:

V3C401

All samples were analyzed within the recommended method holding time.

Sample(s) FA74279-28MS, FA74279-28MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix Spike Duplicate Recovery(s) for Benzene, cis-1,2-Dichloroethylene, Tetrachloroethylene, Trichloroethylene are outside control limits. Probable cause is due to matrix interference.

FA74279-28MS: Sample was not preserved to a pH < 2.

FA74279-28MSD: Sample was not preserved to a pH < 2.

RPD(s) for MSD for Methyl Bromide, Methyl Chloride are outside control limits for sample FA74279-28MSD. Probable cause is due to sample non-homogeneity.

FA74279-28, 29, 31, 32, 35: Sample was not preserved to a pH < 2.

Matrix: AQ

Batch ID:

VI2043

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA74207-2MS, FA74207-2MSD were used as the QC samples indicated.

FA74279-36, 37, 38, 39, 40: Sample was not preserved to a pH < 2.

Matrix: AQ

Batch ID:

VP2797

All samples were analyzed within the recommended method holding time.

Sample(s) FA74255-18MS, FA74255-18MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

FA74279-4, 16, 36, 37, 38, 39, 40: Sample was not preserved to a pH < 2.

Matrix: AQ

Batch ID:

VY2037

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA74279-26MS, FA74279-26MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for cis-1,3-Dichloropropene are outside control limits.

RPD(s) for MSD for Methyl Bromide are outside control limits for sample FA74279-26MSD. Probable cause is due to sample non-homogeneity.

FA74279-1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 26: Sample was not preserved to a pH < 2.

FA74279-1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 26 for Carbon Tetrachloride: Associated CCV outside of control limits high, sample was ND.

FA74279-1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 26 for cis-1,3-Dichloropropene: Associated CCV and BS outside control limits high.

FA74279-4, 16 for Chloroethane: Associated CCV outside of control limits high, sample was ND.

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)

Narrative revised by:

Svetlana Izosimova, QA Officer (signature on file)

Summary of Hits

Job Number: FA74279
Account: United Technologies Corporation
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC
Collected: 04/14/20 thru 04/15/20



Lab Sample ID	Client Sample ID	Result/ Analyte	RL	MDL	Units	Method
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FA74279-1 TRIP BLANK 1

No hits reported in this sample.

FA74279-2 TRIP BLANK 2

No hits reported in this sample.

FA74279-3 MW-31D

1,1-Dichloroethylene ^a	3.2	2.5	0.81	ug/l	SW846 8260D
Tetrachloroethylene ^a	130	2.5	0.54	ug/l	SW846 8260D

FA74279-4 MW-30D

1,1-Dichloroethylene ^a	1.2	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	67.9	2.0	0.43	ug/l	SW846 8260D
Trichloroethylene ^a	1.3	1.0	0.35	ug/l	SW846 8260D

FA74279-5 MW-15

No hits reported in this sample.

FA74279-6 MW-25D

1,1-Dichloroethylene ^a	2.4	2.0	0.64	ug/l	SW846 8260D
cis-1,2-Dichloroethylene ^a	0.97 J	2.0	0.55	ug/l	SW846 8260D
Tetrachloroethylene ^a	102	2.0	0.43	ug/l	SW846 8260D
Trichloroethylene ^a	0.95 J	2.0	0.69	ug/l	SW846 8260D

FA74279-7 MW-32DR

1,1-Dichloroethylene ^a	0.62 J	1.0	0.32	ug/l	SW846 8260D
cis-1,2-Dichloroethylene ^a	0.40 J	1.0	0.28	ug/l	SW846 8260D
Tetrachloroethylene ^a	26.2	1.0	0.22	ug/l	SW846 8260D
Trichloroethylene ^a	0.52 J	1.0	0.35	ug/l	SW846 8260D

FA74279-8 MW-32DR-DUP

1,1-Dichloroethylene ^a	0.61 J	1.0	0.32	ug/l	SW846 8260D
cis-1,2-Dichloroethylene ^a	0.38 J	1.0	0.28	ug/l	SW846 8260D
Tetrachloroethylene ^a	25.2	1.0	0.22	ug/l	SW846 8260D
Trichloroethylene ^a	0.52 J	1.0	0.35	ug/l	SW846 8260D

Summary of Hits

Job Number: FA74279
Account: United Technologies Corporation
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC
Collected: 04/14/20 thru 04/15/20

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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FA74279-9 MW-29

No hits reported in this sample.

FA74279-10 MW-26D

1,1-Dichloroethylene ^a	1.3	1.0	0.32	ug/l	SW846 8260D
cis-1,2-Dichloroethylene ^a	0.83 J	1.0	0.28	ug/l	SW846 8260D
Tetrachloroethylene ^a	55.7	1.0	0.22	ug/l	SW846 8260D
Trichloroethylene ^a	1.2	1.0	0.35	ug/l	SW846 8260D

FA74279-11 MW-27

No hits reported in this sample.

FA74279-12 MW-22D

1,1-Dichloroethylene ^a	1.4	1.0	0.32	ug/l	SW846 8260D
Tetrachloroethylene ^a	81.1	1.0	0.22	ug/l	SW846 8260D

FA74279-13 MW-22D-DUP

1,1-Dichloroethylene ^a	1.3	1.0	0.32	ug/l	SW846 8260D
Tetrachloroethylene ^a	81.2	1.0	0.22	ug/l	SW846 8260D

FA74279-14 MW-28

No hits reported in this sample.

FA74279-15 MW-33D

Carbon Disulfide ^a	22.4	2.0	0.53	ug/l	SW846 8260D
Chloroform ^a	0.51 J	1.0	0.30	ug/l	SW846 8260D

FA74279-16 MW-12D

1,1-Dichloroethylene ^a	1.6	1.0	0.32	ug/l	SW846 8260D
Tetrachloroethylene ^a	129	2.0	0.43	ug/l	SW846 8260D

FA74279-17 MW-34D

Acetone ^a	24.4 J	25	10	ug/l	SW846 8260D
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Summary of Hits

Job Number: FA74279
Account: United Technologies Corporation
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC
Collected: 04/14/20 thru 04/15/20

Lab Sample ID	Client Sample ID	Result/ Analyte	RL	MDL	Units	Method
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FA74279-18 MW-13D

1,1-Dichloroethylene ^a	3.6	2.0	0.64	ug/l	SW846 8260D
Tetrachloroethylene ^a	171	2.0	0.43	ug/l	SW846 8260D
1,1,1-Trichloroethane ^a	0.61 J	2.0	0.50	ug/l	SW846 8260D

FA74279-19 MW-35D

No hits reported in this sample.

FA74279-20 MW-16

No hits reported in this sample.

FA74279-21 MW-7

No hits reported in this sample.

FA74279-22 MW-14

No hits reported in this sample.

FA74279-23 MW-3

cis-1,2-Dichloroethylene ^a	2.0	1.0	0.28	ug/l	SW846 8260D
Tetrachloroethylene ^a	122 E	1.0	0.22	ug/l	SW846 8260D
Trichloroethylene ^a	1.8	1.0	0.35	ug/l	SW846 8260D

FA74279-24 MW-14D

1,1-Dichloroethylene ^a	0.95 J	1.0	0.32	ug/l	SW846 8260D
cis-1,2-Dichloroethylene ^a	0.44 J	1.0	0.28	ug/l	SW846 8260D
Tetrachloroethylene ^a	59.9	1.0	0.22	ug/l	SW846 8260D
Trichloroethylene ^a	0.53 J	1.0	0.35	ug/l	SW846 8260D

FA74279-25 MW-14D-A

1,1-Dichloroethylene ^a	0.97 J	1.0	0.32	ug/l	SW846 8260D
cis-1,2-Dichloroethylene ^a	0.41 J	1.0	0.28	ug/l	SW846 8260D
Tetrachloroethylene ^a	54.7	1.0	0.22	ug/l	SW846 8260D
Trichloroethylene ^a	0.54 J	1.0	0.35	ug/l	SW846 8260D

FA74279-26 MW-3D

1,1-Dichloroethylene ^a	4.8	2.5	0.81	ug/l	SW846 8260D
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Summary of Hits

Job Number: FA74279
Account: United Technologies Corporation
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC
Collected: 04/14/20 thru 04/15/20

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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cis-1,2-Dichloroethylene ^a		8.7	2.5	0.69	ug/l	SW846 8260D
Tetrachloroethylene ^a		220	2.5	0.54	ug/l	SW846 8260D
Trichloroethylene ^a		9.6	2.5	0.86	ug/l	SW846 8260D

FA74279-27 MW-36D

No hits reported in this sample.

FA74279-28 MW-10

1,1-Dichloroethylene ^a		7.4	1.0	0.32	ug/l	SW846 8260D
cis-1,2-Dichloroethylene ^a		78.1	25	6.9	ug/l	SW846 8260D
Tetrachloroethylene ^a		70.3	25	5.4	ug/l	SW846 8260D
Trichloroethylene ^a		32.8	1.0	0.35	ug/l	SW846 8260D

FA74279-29 MW-9

cis-1,2-Dichloroethylene ^a		28.1	2.5	0.69	ug/l	SW846 8260D
Tetrachloroethylene ^a		402	20	4.3	ug/l	SW846 8260D
Trichloroethylene ^a		97.4	2.5	0.86	ug/l	SW846 8260D

FA74279-30 MW-5

Tetrachloroethylene ^a		1.9	1.0	0.22	ug/l	SW846 8260D
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FA74279-31 MW-8

cis-1,2-Dichloroethylene ^a		4.0	1.0	0.28	ug/l	SW846 8260D
Tetrachloroethylene ^a		346	10	2.2	ug/l	SW846 8260D
Trichloroethylene ^a		31.0	1.0	0.35	ug/l	SW846 8260D

FA74279-32 MW-1

cis-1,2-Dichloroethylene ^a		1.9	1.0	0.28	ug/l	SW846 8260D
Tetrachloroethylene ^a		111	10	2.2	ug/l	SW846 8260D
Trichloroethylene ^a		1.2	1.0	0.35	ug/l	SW846 8260D

FA74279-33 MW-24

cis-1,2-Dichloroethylene ^a		31.0	25	6.9	ug/l	SW846 8260D
Tetrachloroethylene ^a		2170	25	5.4	ug/l	SW846 8260D

FA74279-34 MW-21D

Tetrachloroethylene ^a		9.6	1.0	0.22	ug/l	SW846 8260D
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Summary of Hits

Page 5 of 5

Job Number: FA74279
Account: United Technologies Corporation
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC
Collected: 04/14/20 thru 04/15/20



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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FA74279-35 MW-21

cis-1,2-Dichloroethylene ^a	343	100	28	ug/l	SW846 8260D
Tetrachloroethylene ^a	17600	500	110	ug/l	SW846 8260D
Trichloroethylene ^a	181	100	35	ug/l	SW846 8260D

FA74279-36 SW-01-LC

Tetrachloroethylene ^a	0.53 J	1.0	0.22	ug/l	SW846 8260D
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FA74279-37 SW-04-TLC

No hits reported in this sample.

FA74279-38 SW-02-LC

No hits reported in this sample.

FA74279-39 SW-03-HMB

No hits reported in this sample.

FA74279-40 AQUEOUS IDW

Acetone ^a	45.7 J	50	20	ug/l	SW846 8260D
cis-1,2-Dichloroethylene ^a	6.0	2.0	0.55	ug/l	SW846 8260D
Tetrachloroethylene ^a	181	5.0	1.1	ug/l	SW846 8260D
Trichloroethylene ^a	4.7	2.0	0.69	ug/l	SW846 8260D

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



Orlando, FL

Section 4

4

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	TRIP BLANK 1	Date Sampled:	04/14/20
Lab Sample ID:	FA74279-1	Date Received:	04/16/20
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 ^a	Y49670.D	1	04/17/20 12:02	CV	n/a	n/a	VY2037
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 ^b	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane ^b	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 ^c	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	2.0	0.59	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:	04/14/20
Lab Sample ID:	FA74279-1	Date Received:	04/16/20
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	107%		83-118%
17060-07-0	1,2-Dichloroethane-D4	105%		79-125%
2037-26-5	Toluene-D8	89%		85-112%
460-00-4	4-Bromofluorobenzene	95%		83-118%

- (a) Sample was not preserved to a pH < 2.
 (b) Associated CCV outside of control limits high, sample was ND.
 (c) Associated CCV and BS outside control limits high.

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:	04/14/20
Lab Sample ID:	FA74279-2	Date Received:	04/16/20
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 ^a	Y49671.D	1	04/17/20 12:29	CV	n/a	n/a	VY2037
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 ^b	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane ^b	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 ^c	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	2.0	0.59	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 2	Date Sampled:	04/14/20
Lab Sample ID:	FA74279-2	Date Received:	04/16/20
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	108%		83-118%
17060-07-0	1,2-Dichloroethane-D4	108%		79-125%
2037-26-5	Toluene-D8	89%		85-112%
460-00-4	4-Bromofluorobenzene	95%		83-118%

- (a) Sample was not preserved to a pH < 2.
 (b) Associated CCV outside of control limits high, sample was ND.
 (c) Associated CCV and BS outside control limits high.

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:	04/14/20
Lab Sample ID:	FA74279-3	Date Received:	04/16/20
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	Y49673.D	2.5	04/17/20 13:25	CV	n/a	n/a	VY2037
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	63	25	ug/l	
71-43-2	Benzene	ND	2.5	0.78	ug/l	
75-27-4	Bromodichloromethane	ND	2.5	0.61	ug/l	
75-25-2	Bromoform	ND	2.5	1.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	13	5.0	ug/l	
75-15-0	Carbon Disulfide	ND	5.0	1.3	ug/l	
56-23-5	Carbon Tetrachloride ^b	ND	2.5	0.89	ug/l	
108-90-7	Chlorobenzene	ND	2.5	0.50	ug/l	
75-00-3	Chloroethane ^b	ND	5.0	1.7	ug/l	
67-66-3	Chloroform	ND	2.5	0.75	ug/l	
124-48-1	Dibromochloromethane	ND	2.5	0.69	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.5	0.85	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.5	0.78	ug/l	
75-35-4	1,1-Dichloroethylene	3.2	2.5	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.5	0.69	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.5	0.55	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.5	1.1	ug/l	
10061-01-5	cis-1,3-Dichloropropene ^c	ND	2.5	0.73	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.54	ug/l	
100-41-4	Ethylbenzene	ND	2.5	0.89	ug/l	
591-78-6	2-Hexanone	ND	25	5.0	ug/l	
74-83-9	Methyl Bromide	ND	5.0	1.5	ug/l	
74-87-3	Methyl Chloride	ND	5.0	1.3	ug/l	
75-09-2	Methylene Chloride	ND	13	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	13	2.5	ug/l	
100-42-5	Styrene	ND	2.5	0.56	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.75	ug/l	
127-18-4	Tetrachloroethylene	130	2.5	0.54	ug/l	
108-88-3	Toluene	ND	2.5	0.75	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.62	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.5	1.2	ug/l	
79-01-6	Trichloroethylene	ND	2.5	0.86	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-31D	Date Sampled:	04/14/20
Lab Sample ID:	FA74279-3	Date Received:	04/16/20
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	2.5	1.0	ug/l	
1330-20-7	Xylene (total)	ND	7.5	1.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		83-118%
17060-07-0	1,2-Dichloroethane-D4	105%		79-125%
2037-26-5	Toluene-D8	89%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

- (a) Sample was not preserved to a pH < 2.
 (b) Associated CCV outside of control limits high, sample was ND.
 (c) Associated CCV and BS outside control limits high.

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:	04/14/20
Lab Sample ID:	FA74279-4	Date Received:	04/16/20
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	P71035.D	1	04/21/20 13:23	AB	n/a	n/a	VP2797
Run #2 ^a	Y49674.D	2	04/17/20 13:52	CV	n/a	n/a	VY2037

	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 ^b	ND ^c	4.0	1.3	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	1.2	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 ^c	4.0	1.2	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	67.9 ^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	1.3	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: 04/14/20
Lab Sample ID: FA74279-4	Date Received: 04/16/20
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%	108%	83-118%
17060-07-0	1,2-Dichloroethane-D4	95%	104%	79-125%
2037-26-5	Toluene-D8	97%	89%	85-112%
460-00-4	4-Bromofluorobenzene	102%	95%	83-118%

- (a) Sample was not preserved to a pH < 2.
 (b) Associated CCV outside of control limits high, sample was ND.
 (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-15	Date Sampled:	04/14/20
Lab Sample ID:	FA74279-5	Date Received:	04/16/20
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	Y49675.D	1	04/17/20 14:19	CV	n/a	n/a	VY2037
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 ^b	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane ^b	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 ^c	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	2.0	0.59	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-15	Date Sampled:	04/14/20
Lab Sample ID:	FA74279-5	Date Received:	04/16/20
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	107%		83-118%
17060-07-0	1,2-Dichloroethane-D4	106%		79-125%
2037-26-5	Toluene-D8	88%		85-112%
460-00-4	4-Bromofluorobenzene	95%		83-118%

- (a) Sample was not preserved to a pH < 2.
 (b) Associated CCV outside of control limits high, sample was ND.
 (c) Associated CCV and BS outside control limits high.

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:	04/14/20
Lab Sample ID:	FA74279-6	Date Received:	04/16/20
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	Y49676.D	2	04/17/20 14:46	CV	n/a	n/a	VY2037
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 ^b	ND	2.0	0.71	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.40	ug/l	
75-00-3	Chloroethane ^b	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	2.4	2.0	0.64	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.97	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 ^c	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	4.0	1.2	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	102	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	0.95	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:	04/14/20
Lab Sample ID:	FA74279-6	Date Received:	04/16/20
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	108%		83-118%
17060-07-0	1,2-Dichloroethane-D4	105%		79-125%
2037-26-5	Toluene-D8	89%		85-112%
460-00-4	4-Bromofluorobenzene	95%		83-118%

- (a) Sample was not preserved to a pH < 2.
 (b) Associated CCV outside of control limits high, sample was ND.
 (c) Associated CCV and BS outside control limits high.

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:	04/14/20
Lab Sample ID:	FA74279-7	Date Received:	04/16/20
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	Y49677.D	1	04/17/20 15:13	CV	n/a	n/a	VY2037
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 ^b	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane ^b	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	0.62	1.0	0.32	ug/l	J
156-59-2	cis-1,2-Dichloroethylene	0.40	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 ^c	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	2.0	0.59	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	26.2	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	0.52	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-32DR	Date Sampled:	04/14/20
Lab Sample ID:	FA74279-7	Date Received:	04/16/20
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	108%		83-118%
17060-07-0	1,2-Dichloroethane-D4	104%		79-125%
2037-26-5	Toluene-D8	89%		85-112%
460-00-4	4-Bromofluorobenzene	94%		83-118%

- (a) Sample was not preserved to a pH < 2.
 (b) Associated CCV outside of control limits high, sample was ND.
 (c) Associated CCV and BS outside control limits high.

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:	04/14/20
Lab Sample ID:	FA74279-8	Date Received:	04/16/20
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	Y49678.D	1	04/17/20 15:40	CV	n/a	n/a	VY2037
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 ^b	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane ^b	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	0.61	1.0	0.32	ug/l	J
156-59-2	cis-1,2-Dichloroethylene	0.38	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 ^c	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	2.0	0.59	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	25.2	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	0.52	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-32DR-DUP	Date Sampled:	04/14/20
Lab Sample ID:	FA74279-8	Date Received:	04/16/20
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	108%		83-118%
17060-07-0	1,2-Dichloroethane-D4	106%		79-125%
2037-26-5	Toluene-D8	89%		85-112%
460-00-4	4-Bromofluorobenzene	94%		83-118%

- (a) Sample was not preserved to a pH < 2.
 (b) Associated CCV outside of control limits high, sample was ND.
 (c) Associated CCV and BS outside control limits high.

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-29	Date Sampled:	04/14/20
Lab Sample ID:	FA74279-9	Date Received:	04/16/20
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	Y49679.D	1	04/17/20 16:08	CV	n/a	n/a	VY2037
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 ^b	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane ^b	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 ^c	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	2.0	0.59	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-29	Date Sampled:	04/14/20
Lab Sample ID:	FA74279-9	Date Received:	04/16/20
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	109%		83-118%
17060-07-0	1,2-Dichloroethane-D4	106%		79-125%
2037-26-5	Toluene-D8	89%		85-112%
460-00-4	4-Bromofluorobenzene	95%		83-118%

- (a) Sample was not preserved to a pH < 2.
 (b) Associated CCV outside of control limits high, sample was ND.
 (c) Associated CCV and BS outside control limits high.

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:	04/14/20
Lab Sample ID:	FA74279-10	Date Received:	04/16/20
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	Y49680.D	1	04/17/20 16:35	CV	n/a	n/a	VY2037
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 ^b	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane ^b	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	1.3	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.83	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 ^c	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	2.0	0.59	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	55.7	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-26D	Date Sampled:	04/14/20
Lab Sample ID:	FA74279-10	Date Received:	04/16/20
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	107%		83-118%
17060-07-0	1,2-Dichloroethane-D4	105%		79-125%
2037-26-5	Toluene-D8	89%		85-112%
460-00-4	4-Bromofluorobenzene	95%		83-118%

- (a) Sample was not preserved to a pH < 2.
 (b) Associated CCV outside of control limits high, sample was ND.
 (c) Associated CCV and BS outside control limits high.

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-27	Date Sampled:	04/14/20
Lab Sample ID:	FA74279-11	Date Received:	04/16/20
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	Y49681.D	1	04/17/20 17:02	CV	n/a	n/a	VY2037
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 ^b	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane ^b	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 ^c	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	2.0	0.59	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-27	Date Sampled:	04/14/20
Lab Sample ID:	FA74279-11	Date Received:	04/16/20
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	108%		83-118%
17060-07-0	1,2-Dichloroethane-D4	107%		79-125%
2037-26-5	Toluene-D8	89%		85-112%
460-00-4	4-Bromofluorobenzene	94%		83-118%

- (a) Sample was not preserved to a pH < 2.
 (b) Associated CCV outside of control limits high, sample was ND.
 (c) Associated CCV and BS outside control limits high.

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:	04/14/20
Lab Sample ID:	FA74279-12	Date Received:	04/16/20
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	Y49682.D	1	04/17/20 17:29	CV	n/a	n/a	VY2037
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 ^b	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane ^b	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	1.4	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 ^c	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	2.0	0.59	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	81.1	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

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:	04/14/20
Lab Sample ID:	FA74279-12	Date Received:	04/16/20
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	107%		83-118%
17060-07-0	1,2-Dichloroethane-D4	106%		79-125%
2037-26-5	Toluene-D8	88%		85-112%
460-00-4	4-Bromofluorobenzene	95%		83-118%

- (a) Sample was not preserved to a pH < 2.
 (b) Associated CCV outside of control limits high, sample was ND.
 (c) Associated CCV and BS outside control limits high.

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-DUP	Date Sampled:	04/14/20
Lab Sample ID:	FA74279-13	Date Received:	04/16/20
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	Y49683.D	1	04/17/20 17:57	CV	n/a	n/a	VY2037
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 ^b	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane ^b	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	1.3	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 ^c	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	2.0	0.59	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	81.2	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:	04/14/20
Lab Sample ID:	FA74279-13	Date Received:	04/16/20
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	110%		83-118%
17060-07-0	1,2-Dichloroethane-D4	107%		79-125%
2037-26-5	Toluene-D8	88%		85-112%
460-00-4	4-Bromofluorobenzene	94%		83-118%

- (a) Sample was not preserved to a pH < 2.
 (b) Associated CCV outside of control limits high, sample was ND.
 (c) Associated CCV and BS outside control limits high.

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-28	Date Sampled:	04/14/20
Lab Sample ID:	FA74279-14	Date Received:	04/16/20
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	Y49684.D	1	04/17/20 18:24	CV	n/a	n/a	VY2037
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 ^b	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane ^b	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 ^c	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	2.0	0.59	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-28	Date Sampled: 04/14/20
Lab Sample ID: FA74279-14	Date Received: 04/16/20
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	107%		83-118%
17060-07-0	1,2-Dichloroethane-D4	106%		79-125%
2037-26-5	Toluene-D8	89%		85-112%
460-00-4	4-Bromofluorobenzene	94%		83-118%

- (a) Sample was not preserved to a pH < 2.
 (b) Associated CCV outside of control limits high, sample was ND.
 (c) Associated CCV and BS outside control limits high.

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-33D	Date Sampled:	04/14/20
Lab Sample ID:	FA74279-15	Date Received:	04/16/20
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	Y49685.D	1	04/17/20 18:51	CV	n/a	n/a	VY2037
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	22.4	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride ^b	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane ^b	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	0.51	1.0	0.30	ug/l	J
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 ^c	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	2.0	0.59	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:	04/14/20
Lab Sample ID:	FA74279-15	Date Received:	04/16/20
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	108%		83-118%
17060-07-0	1,2-Dichloroethane-D4	105%		79-125%
2037-26-5	Toluene-D8	89%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

- (a) Sample was not preserved to a pH < 2.
 (b) Associated CCV outside of control limits high, sample was ND.
 (c) Associated CCV and BS outside control limits high.

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-12D	Date Sampled:	04/14/20
Lab Sample ID:	FA74279-16	Date Received:	04/16/20
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	Y49686.D	1	04/17/20 19:18	CV	n/a	n/a	VY2037
Run #2 ^a	P71036.D	2	04/21/20 13:48	AB	n/a	n/a	VP2797

	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 ^b	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane ^c	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	1.6	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 ^d	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	2.0	0.59	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	129 ^e	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:	04/14/20
Lab Sample ID:	FA74279-16	Date Received:	04/16/20
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	106%	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	105%	92%	79-125%
2037-26-5	Toluene-D8	88%	98%	85-112%
460-00-4	4-Bromofluorobenzene	94%	101%	83-118%

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

(b) Associated CCV outside of control limits high, sample was ND. Associated CCV outside of control limits high, sample was ND.

(c) Associated CCV outside of control limits high, sample was ND.

(d) Associated CCV and BS outside control limits high.

(e) 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-34D	Date Sampled:	04/15/20
Lab Sample ID:	FA74279-17	Date Received:	04/16/20
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	Y49687.D	1	04/17/20 19:45	CV	n/a	n/a	VY2037
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	24.4	25	10	ug/l	J
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 ^b	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane ^b	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 ^c	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	2.0	0.59	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:	04/15/20
Lab Sample ID:	FA74279-17	Date Received:	04/16/20
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	109%		83-118%
17060-07-0	1,2-Dichloroethane-D4	106%		79-125%
2037-26-5	Toluene-D8	88%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

- (a) Sample was not preserved to a pH < 2.
 (b) Associated CCV outside of control limits high, sample was ND.
 (c) Associated CCV and BS outside control limits high.

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:	04/15/20
Lab Sample ID:	FA74279-18	Date Received:	04/16/20
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	3C09507.D	2	04/17/20 13:36	SP	n/a	n/a	V3C400
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	3.6	2.0	0.64	ug/l	
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	4.0	1.2	ug/l	
74-87-3	Methyl Chloride ^b	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	171	2.0	0.43	ug/l	
108-88-3	Toluene	ND	2.0	0.60	ug/l	
71-55-6	1,1,1-Trichloroethane	0.61	2.0	0.50	ug/l	J
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: 04/15/20
Lab Sample ID: FA74279-18	Date Received: 04/16/20
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	93%		83-118%
17060-07-0	1,2-Dichloroethane-D4	109%		79-125%
2037-26-5	Toluene-D8	103%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

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

(b) Associated CCV outside of control limits low.

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:	04/15/20
Lab Sample ID:	FA74279-19	Date Received:	04/16/20
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	3C09508.D	1	04/17/20 14:02	SP	n/a	n/a	V3C400
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	2.0	0.59	ug/l	
74-87-3	Methyl Chloride ^b	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:	04/15/20
Lab Sample ID:	FA74279-19	Date Received:	04/16/20
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	113%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

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

(b) Associated CCV outside of control limits low.

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-16	Date Sampled:	04/15/20
Lab Sample ID:	FA74279-20	Date Received:	04/16/20
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	3C09509.D	1	04/17/20 14:27	SP	n/a	n/a	V3C400
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	2.0	0.59	ug/l	
74-87-3	Methyl Chloride ^b	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-16	Date Sampled: 04/15/20
Lab Sample ID: FA74279-20	Date Received: 04/16/20
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	115%		79-125%
2037-26-5	Toluene-D8	103%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

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

(b) Associated CCV outside of control limits low.

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-7	Date Sampled:	04/15/20
Lab Sample ID:	FA74279-21	Date Received:	04/16/20
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	3C09510.D	1	04/17/20 14:52	SP	n/a	n/a	V3C400
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	2.0	0.59	ug/l	
74-87-3	Methyl Chloride ^b	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-7	Date Sampled: 04/15/20
Lab Sample ID: FA74279-21	Date Received: 04/16/20
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	118%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

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

(b) Associated CCV outside of control limits low.

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-14	Date Sampled:	04/15/20
Lab Sample ID:	FA74279-22	Date Received:	04/16/20
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	3C09511.D	1	04/17/20 15:17	SP	n/a	n/a	V3C400
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	2.0	0.59	ug/l	
74-87-3	Methyl Chloride ^b	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-14	Date Sampled: 04/15/20
Lab Sample ID: FA74279-22	Date Received: 04/16/20
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	122%		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.

(b) Associated CCV outside of control limits low.

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:	04/15/20
Lab Sample ID:	FA74279-23	Date Received:	04/16/20
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	3C09512.D	1	04/17/20 15:42	SP	n/a	n/a	V3C400
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	2.0	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	2.0	0.59	ug/l	
74-87-3	Methyl Chloride ^b	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	122	1.0	0.22	ug/l	E
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	1.8	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-3	Date Sampled: 04/15/20
Lab Sample ID: FA74279-23	Date Received: 04/16/20
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	116%		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.

(b) Associated CCV outside of control limits low.

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:	04/15/20
Lab Sample ID:	FA74279-24	Date Received:	04/16/20
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	3C09513.D	1	04/17/20 16:08	SP	n/a	n/a	V3C400
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	0.44	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	2.0	0.59	ug/l	
74-87-3	Methyl Chloride ^b	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	59.9	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	Date Sampled:	04/15/20
Lab Sample ID:	FA74279-24	Date Received:	04/16/20
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	120%		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.

(b) Associated CCV outside of control limits low.

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-A	Date Sampled:	04/15/20
Lab Sample ID:	FA74279-25	Date Received:	04/16/20
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	3C09514.D	1	04/17/20 16:33	SP	n/a	n/a	V3C400
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	0.97	1.0	0.32	ug/l	J
156-59-2	cis-1,2-Dichloroethylene	0.41	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	2.0	0.59	ug/l	
74-87-3	Methyl Chloride ^b	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	0.54	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-A	Date Sampled:	04/15/20
Lab Sample ID:	FA74279-25	Date Received:	04/16/20
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	120%		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.

(b) Associated CCV outside of control limits low.

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:	04/15/20
Lab Sample ID:	FA74279-26	Date Received:	04/16/20
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	Y49688.D	2.5	04/17/20 20:12	CV	n/a	n/a	VY2037
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	63	25	ug/l	
71-43-2	Benzene	ND	2.5	0.78	ug/l	
75-27-4	Bromodichloromethane	ND	2.5	0.61	ug/l	
75-25-2	Bromoform	ND	2.5	1.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	13	5.0	ug/l	
75-15-0	Carbon Disulfide	ND	5.0	1.3	ug/l	
56-23-5	Carbon Tetrachloride ^b	ND	2.5	0.89	ug/l	
108-90-7	Chlorobenzene	ND	2.5	0.50	ug/l	
75-00-3	Chloroethane ^b	ND	5.0	1.7	ug/l	
67-66-3	Chloroform	ND	2.5	0.75	ug/l	
124-48-1	Dibromochloromethane	ND	2.5	0.69	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.5	0.85	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.5	0.78	ug/l	
75-35-4	1,1-Dichloroethylene	4.8	2.5	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethylene	8.7	2.5	0.69	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.5	0.55	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.5	1.1	ug/l	
10061-01-5	cis-1,3-Dichloropropene ^c	ND	2.5	0.73	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.54	ug/l	
100-41-4	Ethylbenzene	ND	2.5	0.89	ug/l	
591-78-6	2-Hexanone	ND	25	5.0	ug/l	
74-83-9	Methyl Bromide	ND	5.0	1.5	ug/l	
74-87-3	Methyl Chloride	ND	5.0	1.3	ug/l	
75-09-2	Methylene Chloride	ND	13	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	13	2.5	ug/l	
100-42-5	Styrene	ND	2.5	0.56	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.75	ug/l	
127-18-4	Tetrachloroethylene	220	2.5	0.54	ug/l	
108-88-3	Toluene	ND	2.5	0.75	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.62	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.5	1.2	ug/l	
79-01-6	Trichloroethylene	9.6	2.5	0.86	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-3D	Date Sampled:	04/15/20
Lab Sample ID:	FA74279-26	Date Received:	04/16/20
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	2.5	1.0	ug/l	
1330-20-7	Xylene (total)	ND	7.5	1.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		83-118%
17060-07-0	1,2-Dichloroethane-D4	107%		79-125%
2037-26-5	Toluene-D8	88%		85-112%
460-00-4	4-Bromofluorobenzene	95%		83-118%

- (a) Sample was not preserved to a pH < 2.
 (b) Associated CCV outside of control limits high, sample was ND.
 (c) Associated CCV and BS outside control limits high.

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:	04/15/20
Lab Sample ID:	FA74279-27	Date Received:	04/16/20
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	3C09515.D	1	04/17/20 16:58	SP	n/a	n/a	V3C400
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	2.0	0.59	ug/l	
74-87-3	Methyl Chloride ^b	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-36D	Date Sampled:	04/15/20
Lab Sample ID:	FA74279-27	Date Received:	04/16/20
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	121%		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.

(b) Associated CCV outside of control limits low.

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:	04/15/20
Lab Sample ID:	FA74279-28	Date Received:	04/16/20
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	3C09532.D	1	04/21/20 12:45	SP	n/a	n/a	V3C401
Run #2 ^a	3C09516.D	25	04/17/20 17:24	SP	n/a	n/a	V3C400

	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	7.4	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	78.1 ^b	25	6.9	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	2.0	0.59	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	70.3 ^b	25	5.4	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	32.8	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-10	Date Sampled:	04/15/20
Lab Sample ID:	FA74279-28	Date Received:	04/16/20
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%	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	119%	123%	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) 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-9	Date Sampled:	04/15/20
Lab Sample ID:	FA74279-29	Date Received:	04/16/20
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	3C09517.D	2.5	04/17/20 17:49	SP	n/a	n/a	V3C400
Run #2 ^a	3C09533.D	20	04/21/20 13:11	SP	n/a	n/a	V3C401

	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	63	25	ug/l	
71-43-2	Benzene	ND	2.5	0.78	ug/l	
75-27-4	Bromodichloromethane	ND	2.5	0.61	ug/l	
75-25-2	Bromoform	ND	2.5	1.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	13	5.0	ug/l	
75-15-0	Carbon Disulfide	ND	5.0	1.3	ug/l	
56-23-5	Carbon Tetrachloride	ND	2.5	0.89	ug/l	
108-90-7	Chlorobenzene	ND	2.5	0.50	ug/l	
75-00-3	Chloroethane	ND	5.0	1.7	ug/l	
67-66-3	Chloroform	ND	2.5	0.75	ug/l	
124-48-1	Dibromochloromethane	ND	2.5	0.69	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.5	0.85	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.5	0.78	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.5	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethylene	28.1	2.5	0.69	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.5	0.55	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.5	1.1	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	0.73	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.54	ug/l	
100-41-4	Ethylbenzene	ND	2.5	0.89	ug/l	
591-78-6	2-Hexanone	ND	25	5.0	ug/l	
74-83-9	Methyl Bromide	ND	5.0	1.5	ug/l	
74-87-3	Methyl Chloride ^b	ND	5.0	1.3	ug/l	
75-09-2	Methylene Chloride	ND	13	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	13	2.5	ug/l	
100-42-5	Styrene	ND	2.5	0.56	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.75	ug/l	
127-18-4	Tetrachloroethylene	402 ^c	20	4.3	ug/l	
108-88-3	Toluene	ND	2.5	0.75	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.62	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.5	1.2	ug/l	
79-01-6	Trichloroethylene	97.4	2.5	0.86	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-9	Date Sampled:	04/15/20
Lab Sample ID:	FA74279-29	Date Received:	04/16/20
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	2.5	1.0	ug/l	
1330-20-7	Xylene (total)	ND	7.5	1.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	120%	120%	79-125%
2037-26-5	Toluene-D8	102%	101%	85-112%
460-00-4	4-Bromofluorobenzene	100%	99%	83-118%

- (a) Sample was not preserved to a pH < 2.
 (b) Associated CCV outside of control limits low.
 (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-5	Date Sampled:	04/15/20
Lab Sample ID:	FA74279-30	Date Received:	04/16/20
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	3C09518.D	1	04/17/20 18:14	SP	n/a	n/a	V3C400
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	2.0	0.59	ug/l	
74-87-3	Methyl Chloride ^b	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	1.9	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-5	Date Sampled:	04/15/20
Lab Sample ID:	FA74279-30	Date Received:	04/16/20
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	101%		83-118%
17060-07-0	1,2-Dichloroethane-D4	123%		79-125%
2037-26-5	Toluene-D8	104%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

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

(b) Associated CCV outside of control limits low.

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:	04/15/20
Lab Sample ID:	FA74279-31	Date Received:	04/16/20
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	3C09519.D	1	04/17/20 18:39	SP	n/a	n/a	V3C400
Run #2 ^a	3C09534.D	10	04/21/20 13:37	SP	n/a	n/a	V3C401

	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	4.0	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	2.0	0.59	ug/l	
74-87-3	Methyl Chloride ^b	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	346 ^c	10	2.2	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	31.0	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-8	Date Sampled: 04/15/20
Lab Sample ID: FA74279-31	Date Received: 04/16/20
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%	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	123%	122%	79-125%
2037-26-5	Toluene-D8	100%	102%	85-112%
460-00-4	4-Bromofluorobenzene	100%	98%	83-118%

- (a) Sample was not preserved to a pH < 2.
 (b) Associated CCV outside of control limits low.
 (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-1	Date Sampled:	04/15/20
Lab Sample ID:	FA74279-32	Date Received:	04/16/20
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	3C09535.D	1	04/21/20 14:02	SP	n/a	n/a	V3C401
Run #2 ^a	3C09520.D	10	04/17/20 19:05	SP	n/a	n/a	V3C400

	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	1.9	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	2.0	0.59	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	111 ^b	10	2.2	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-1	Date Sampled:	04/15/20
Lab Sample ID:	FA74279-32	Date Received:	04/16/20
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	101%	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	125%	120%	79-125%
2037-26-5	Toluene-D8	100%	102%	85-112%
460-00-4	4-Bromofluorobenzene	99%	97%	83-118%

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

(b) 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-24	Date Sampled:	04/15/20
Lab Sample ID:	FA74279-33	Date Received:	04/16/20
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	3C09521.D	25	04/17/20 19:30	SP	n/a	n/a	V3C400
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	31.0	25	6.9	ug/l	
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	50	15	ug/l	
74-87-3	Methyl Chloride ^b	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	2170	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:	04/15/20
Lab Sample ID:	FA74279-33	Date Received:	04/16/20
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	119%		79-125%
2037-26-5	Toluene-D8	103%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

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

(b) Associated CCV outside of control limits low.

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:	04/15/20
Lab Sample ID:	FA74279-34	Date Received:	04/16/20
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	3C09522.D	1	04/17/20 19:55	SP	n/a	n/a	V3C400
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	2.0	0.59	ug/l	
74-87-3	Methyl Chloride ^b	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	9.6	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-21D	Date Sampled:	04/15/20
Lab Sample ID:	FA74279-34	Date Received:	04/16/20
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	122%		79-125%
2037-26-5	Toluene-D8	103%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

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

(b) Associated CCV outside of control limits low.

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:	04/15/20
Lab Sample ID:	FA74279-35	Date Received:	04/16/20
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	3C09536.D	100	04/21/20 14:27	SP	n/a	n/a	V3C401
Run #2 ^a	3C09537.D	500	04/21/20 14:52	SP	n/a	n/a	V3C401

	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	2500	1000	ug/l	
71-43-2	Benzene	ND	100	31	ug/l	
75-27-4	Bromodichloromethane	ND	100	24	ug/l	
75-25-2	Bromoform	ND	100	41	ug/l	
78-93-3	2-Butanone (MEK)	ND	500	200	ug/l	
75-15-0	Carbon Disulfide	ND	200	53	ug/l	
56-23-5	Carbon Tetrachloride	ND	100	36	ug/l	
108-90-7	Chlorobenzene	ND	100	20	ug/l	
75-00-3	Chloroethane	ND	200	67	ug/l	
67-66-3	Chloroform	ND	100	30	ug/l	
124-48-1	Dibromochloromethane	ND	100	28	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	34	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	100	32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	343	100	28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	22	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	43	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	21	ug/l	
100-41-4	Ethylbenzene	ND	100	36	ug/l	
591-78-6	2-Hexanone	ND	1000	200	ug/l	
74-83-9	Methyl Bromide	ND	200	59	ug/l	
74-87-3	Methyl Chloride	ND	200	50	ug/l	
75-09-2	Methylene Chloride	ND	500	200	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	500	100	ug/l	
100-42-5	Styrene	ND	100	22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	30	ug/l	
127-18-4	Tetrachloroethylene	17600 ^b	500	110	ug/l	
108-88-3	Toluene	ND	100	30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	47	ug/l	
79-01-6	Trichloroethylene	181	100	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-21	Date Sampled:	04/15/20
Lab Sample ID:	FA74279-35	Date Received:	04/16/20
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	100	41	ug/l	
1330-20-7	Xylene (total)	ND	300	72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	124%	125%	79-125%
2037-26-5	Toluene-D8	101%	101%	85-112%
460-00-4	4-Bromofluorobenzene	100%	97%	83-118%

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

(b) 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:	SW-01-LC	Date Sampled:	04/15/20
Lab Sample ID:	FA74279-36	Date Received:	04/16/20
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	P71043.D	1	04/21/20 16:43	AB	n/a	n/a	VP2797
Run #2 ^a	I64744.D	1	04/22/20 16:38	AB	n/a	n/a	VI2043

	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 ^b	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 ^b	2.0	0.59	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	0.53	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:	SW-01-LC	Date Sampled:	04/15/20
Lab Sample ID:	FA74279-36	Date Received:	04/16/20
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	101%	96%	83-118%
17060-07-0	1,2-Dichloroethane-D4	101%	99%	79-125%
2037-26-5	Toluene-D8	98%	97%	85-112%
460-00-4	4-Bromofluorobenzene	100%	96%	83-118%

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

(b) 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:	SW-04-TLC	Date Sampled:	04/15/20
Lab Sample ID:	FA74279-37	Date Received:	04/16/20
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	P71044.D	1	04/21/20 17:08	AB	n/a	n/a	VP2797
Run #2 ^a	I64745.D	1	04/22/20 17:05	AB	n/a	n/a	VI2043

	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 ^b	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 ^b	2.0	0.59	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:	04/15/20
Lab Sample ID:	FA74279-37	Date Received:	04/16/20
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	101%	96%	83-118%
17060-07-0	1,2-Dichloroethane-D4	103%	101%	79-125%
2037-26-5	Toluene-D8	97%	97%	85-112%
460-00-4	4-Bromofluorobenzene	101%	96%	83-118%

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

(b) 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:	SW-02-LC	Date Sampled:	04/15/20
Lab Sample ID:	FA74279-38	Date Received:	04/16/20
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	P71045.D	1	04/21/20 17:33	AB	n/a	n/a	VP2797
Run #2 ^a	I64746.D	1	04/22/20 17:31	AB	n/a	n/a	VI2043

	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 ^b	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 ^b	2.0	0.59	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:	04/15/20
Lab Sample ID:	FA74279-38	Date Received:	04/16/20
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	101%	96%	83-118%
17060-07-0	1,2-Dichloroethane-D4	101%	102%	79-125%
2037-26-5	Toluene-D8	98%	97%	85-112%
460-00-4	4-Bromofluorobenzene	100%	95%	83-118%

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

(b) 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:	SW-03-HMB	Date Sampled:	04/15/20
Lab Sample ID:	FA74279-39	Date Received:	04/16/20
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	P71046.D	1	04/21/20 17:58	AB	n/a	n/a	VP2797
Run #2 ^a	I64747.D	1	04/22/20 17:57	AB	n/a	n/a	VI2043

	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 ^b	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 ^b	2.0	0.59	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:	SW-03-HMB	Date Sampled:	04/15/20
Lab Sample ID:	FA74279-39	Date Received:	04/16/20
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	102%	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	102%	100%	79-125%
2037-26-5	Toluene-D8	98%	97%	85-112%
460-00-4	4-Bromofluorobenzene	101%	96%	83-118%

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

(b) 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:	AQUEOUS IDW	Date Sampled:	04/15/20
Lab Sample ID:	FA74279-40	Date Received:	04/16/20
Matrix:	AQ - 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	P71047.D	2	04/21/20 18:23	AB	n/a	n/a	VP2797
Run #2 ^a	I64748.D	5	04/22/20 18:24	AB	n/a	n/a	VI2043

	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	45.7	50	20	ug/l	J
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 ^b	10	3.3	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	6.0	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 ^b	10	2.9	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	181 ^b	5.0	1.1	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	4.7	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:	AQUEOUS IDW	Date Sampled:	04/15/20
Lab Sample ID:	FA74279-40	Date Received:	04/16/20
Matrix:	AQ - 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	102%	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	101%	101%	79-125%
2037-26-5	Toluene-D8	98%	97%	85-112%
460-00-4	4-Bromofluorobenzene	99%	95%	83-118%

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

(b) 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

Misc. Forms

5

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

FA74279

AECOM

Chain of Custody and Analytical Request

 Page 1 of 3
 Project Number: 60624985-20
 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																
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 VOC's (8260D)	TCL SVOC's (8270E)	PM 13								COMMENTS	Cooler ID
1	Tip Blank #1	14-Apr-2020		Groundwater	X										ALL VOC'S ARE UNPRESERVED	
2	Tip Blank #2	14-Apr-2020			X										7 DAY HOLDING TIME	
3	MW-31D	14-Apr-2020	1200	XX	X											
4	MW-30D	14-Apr-2020	1130	XX	X											
5	MW-15	14-Apr-2020	1247	XX	X											
6	MW-25D	14-Apr-2020	1240	XX	X											
7	MW-32DR	14-Apr-2020	1325	XX	X											
8	MW-32DR-Dup	14-Apr-2020	1330	XX	X											
9	MW-29	14-Apr-2020	1335	XX	X											
10	MW-26D	14-Apr-2020	1410	XX	X											
11	MW-27	14-Apr-2020	1420	XX	X											
12	MW-22D	14-Apr-2020	1440	XX	X											
13	MW-22D-Dup	14-Apr-2020	1455	XX	X											
14	MW-28	14-Apr-2020	1520	XX	X											
15	MW-33D	14-Apr-2020	1540	XX	X											

Custody Transfers Prior to Receipt by Laboratory				Sample Delivery Details / Laboratory Receipt			
1. Relinquished By (Signed): Randy Morgan	Date: 4-15-20	Time: 1400	Received by (signed): J. Fed Ex	Date: 4-15	Time: 915	Delivered Directly to Lab: Fed Ex	Shipped: XXXX
2. Fed Ex			2. J. Fed Ex	04/16/2020		Method of Shipment: Accutest	Airbill #: 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

 INITIAL ASSESSMENT PH
 LABEL VERIFICATION SP

3.7

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

FA74279: Chain of Custody

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SGS

FA74279

AECOM										Chain of Custody and Analytical Request										Page 2 of 3	
Project Name / Location: UTC Delavan Spray Technologies Site, Bamberg SC										Sample Analysis Requested										Quality Assurance Samples	
Client Name: UTC										TCL VOC's (\$260D)										TCL SVOC's (\$270E)	
Collected by: Randy Morgan/Mariah Rockwell										Project Manager: Leslee Alexander										P.O. # 106712	
Sample ID	Date Collected (dd-mm-yyy)	Time Collected (Military) (hh:mm)	COMP	GRAB	Well	See Comments	Sample Information	COMMENTS	Cooler ID												
16 MW-120	14-Apr-2020	170.2		X	X		Groundwater	ALL VOC'S ARE UNPRESERVED													
17 MW-340	15-Apr-2020	0840		X	X			7 DAY HOLDING TIME													
18 MW-130	15-Apr-2020	0830		X	X																
19 MW-350	15-Apr-2020	0930		X	X																
20 MW-14	15-Apr-2020	0932		X	X																
21 MW-17	15-Apr-2020	1020		X	X																
22 MW-14	15-Apr-2020	1025		X	X																
23 MW-3	15-Apr-2020	1055		X	X																
24 MW-140	15-Apr-2020	1102		X	X																
25 MW-140-a	15-Apr-2020	1102		X	X																
26 MW-30	15-Apr-2020	1130		X	X																
26 MW-30-M5	15-Apr-2020	1135		X	X																
26 MW-30-M50	15-Apr-2020	1135		X	X																
27 MW-360	15-Apr-2020	1152		X	X																
28 MW-10	15-Apr-2020	1247		X	X																

Custody Transfers Prior to Receipt by Laboratory						Sample Delivery Details / Laboratory Receipt						
Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time	Delivered Directly to Lab:	Shipped:					
Randy Morgan	4/15/20	1900	Fed Ex	4/15	915	Method of Shipment:	Fed Ex	Airbill #:				
2. Fed Ex			2. JLC	04/16/2020		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

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FA74279: Chain of Custody

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FA74279

AECOM		Chain of Custody and Analytical Request										Page 3 of 3	
Project Name / Location: UTC Delavan Spray Technologies Site, Bamberg SC												Project Number: 60624983-2A	
Client Name: UTC												Chain of Custody Number (1):	
Collected by: Randy Morgan/Mariah Rockwe												P.O. # 106712	
Project Manager: Leslee Alexander													
Sample ID	Date Collected (dd-mm-yy)	Time Collected (Military) (hh:mm)	See Comments	Sample Information	TCL VOC's (8260D)	TCL SVOC's (8270E)	PM 13					Quality Assurance Samples	Cooler ID
			COMP	GRAB	Well							COMMENTS	
29 MW-9	15-Apr-2020	1327		XX		Groundwater	X					ALL VOC'S ARE UNPRESERVED	
29 MW-9-MS	15-Apr-2020	1327		XX			X					7 DAY HOLDING TIME	
29 MW-9-MED	15-Apr-2020	1327		XX			X						
30 MW-5	15-Apr-2020	1410		XX			X						
31 MW-8	15-Apr-2020	1415		XX			X						
32 MW-1	15-Apr-2020	1450		XX			X						
33 MW-24	15-Apr-2020	1455		XX			X						
34 MW-21D	15-Apr-2020	1520		XX			X						
35 MW-21	15-Apr-2020	1525		XX			X						
36 SW-04-LC	15-Apr-2020	1615		X		Surface water	X						
37 SW-04-TLC	15-Apr-2020	1630		X			X						
38 SW-02-LC	15-Apr-2020	1700		X			X						
39 SW-03-HMB	15-Apr-2020	1715		X			X						
40 Aqueous IDW	15-Apr-2020	1745		X			X						

Custody Transfers Prior to Receipt by Laboratory				Sample Delivery Details / Laboratory Receipt			
Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time	Delivered Directly to Lab:	Shipped: XXXX
Randy Morgan	4-15-20	1400	Fed Ex	9-15		Method of Shipment: Fed Ex	Airbill #:
Fed Ex			SLC	04/16/2020		Analytical Lab: Accutest	Location: Orlando FLA
						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 COC

FA74279: Chain of Custody

Page 3 of 4



SGS Sample Receipt Summary

Job Number: FA74279

Client: AECOM

Project: UTC DELAVAN SPRAY

Date / Time Received: 4/16/2020 9:15:00 AM

Delivery Method: FED EX

Airbill #s: 1002284372260003281100138665980756

Therm ID: IR 1;

Therm CF: -0.8;

of Coolers: 1

Cooler Temps (Raw Measured) °C: Cooler 1: (4.5);

Cooler Temps (Corrected) °C: Cooler 1: (3.7);

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: SHAYLAP

Date: 4/16/2020 9:15:00 AM

Reviewer: _____

Date: _____

FA74279: Chain of Custody

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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: FA74279**Account:** UTC United Technologies Corporation**Project:** AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C400-MB	3C09502.D	1	04/17/20	SP	n/a	n/a	V3C400

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

FA74279-18, FA74279-19, FA74279-20, FA74279-21, FA74279-22, FA74279-23, FA74279-24, FA74279-25, FA74279-27, FA74279-28, FA74279-29, FA74279-30, FA74279-31, FA74279-32, FA74279-33, FA74279-34

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	2.0	0.59	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: FA74279
Account: UTC United Technologies Corporation
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C400-MB	3C09502.D	1	04/17/20	SP	n/a	n/a	V3C400

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

FA74279-18, FA74279-19, FA74279-20, FA74279-21, FA74279-22, FA74279-23, FA74279-24, FA74279-25, FA74279-27, FA74279-28, FA74279-29, FA74279-30, FA74279-31, FA74279-32, FA74279-33, FA74279-34

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

Method Blank Summary

Page 1 of 2

Job Number: FA74279**Account:** UTC United Technologies Corporation**Project:** AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2037-MB	Y49669.D	1	04/17/20	CV	n/a	n/a	VY2037

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

FA74279-1, FA74279-2, FA74279-3, FA74279-4, FA74279-5, FA74279-6, FA74279-7, FA74279-8, FA74279-9, FA74279-10, FA74279-11, FA74279-12, FA74279-13, FA74279-14, FA74279-15, FA74279-16, FA74279-17, FA74279-26

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	2.0	0.59	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: FA74279
Account: UTC United Technologies Corporation
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2037-MB	Y49669.D	1	04/17/20	CV	n/a	n/a	VY2037

The QC reported here applies to the following samples: Method: SW846 8260D
FA74279-1, FA74279-2, FA74279-3, FA74279-4, FA74279-5, FA74279-6, FA74279-7, FA74279-8, FA74279-9, FA74279-10, FA74279-11, FA74279-12, FA74279-13, FA74279-14, FA74279-15, FA74279-16, FA74279-17, FA74279-26

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	107% 83-118%
17060-07-0	1,2-Dichloroethane-D4	104% 79-125%
2037-26-5	Toluene-D8	89% 85-112%
460-00-4	4-Bromofluorobenzene	95% 83-118%

Method Blank Summary

Page 1 of 2

Job Number: FA74279**Account:** UTC United Technologies Corporation**Project:** AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VP2797-MB	P71027.D	1	04/21/20	AB	n/a	n/a	VP2797

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

FA74279-4, FA74279-16, FA74279-36, FA74279-37, FA74279-38, FA74279-39, FA74279-40

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	
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	
74-87-3	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: FA74279
Account: UTC United Technologies Corporation
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VP2797-MB	P71027.D	1	04/21/20	AB	n/a	n/a	VP2797

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

FA74279-4, FA74279-16, FA74279-36, FA74279-37, FA74279-38, FA74279-39, FA74279-40

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	99% 83-118%
17060-07-0	1,2-Dichloroethane-D4	95% 79-125%
2037-26-5	Toluene-D8	99% 85-112%
460-00-4	4-Bromofluorobenzene	101% 83-118%

Method Blank Summary

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Job Number: FA74279**Account:** UTC United Technologies Corporation**Project:** AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C401-MB	3C09530.D	1	04/21/20	SP	n/a	n/a	V3C401

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

FA74279-28, FA74279-29, FA74279-31, FA74279-32, FA74279-35

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	2.0	0.59	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: FA74279
Account: UTC United Technologies Corporation
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C401-MB	3C09530.D	1	04/21/20	SP	n/a	n/a	V3C401

The QC reported here applies to the following samples: Method: SW846 8260D
FA74279-28, FA74279-29, FA74279-31, FA74279-32, FA74279-35

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	101% 83-118%
17060-07-0	1,2-Dichloroethane-D4	123% 79-125%
2037-26-5	Toluene-D8	102% 85-112%
460-00-4	4-Bromofluorobenzene	99% 83-118%

Method Blank Summary

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Job Number: FA74279

Account: UTC United Technologies Corporation

Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI2043-MB	I64743.D	1	04/22/20	AB	n/a	n/a	VI2043

The QC reported here applies to the following samples:

Method: SW846 8260D

FA74279-36, FA74279-37, FA74279-38, FA74279-39, FA74279-40

CAS No.	Compound	Result	RL	MDL	Units	Q
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
74-83-9	Methyl Bromide	ND	2.0	0.59	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	95% 83-118%
17060-07-0	1,2-Dichloroethane-D4	100% 79-125%
2037-26-5	Toluene-D8	97% 85-112%
460-00-4	4-Bromofluorobenzene	96% 83-118%

Blank Spike Summary

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Job Number: FA74279**Account:** UTC United Technologies Corporation**Project:** AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2037-BS	Y49667.D	1	04/17/20	CV	n/a	n/a	VY2037

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

FA74279-1, FA74279-2, FA74279-3, FA74279-4, FA74279-5, FA74279-6, FA74279-7, FA74279-8, FA74279-9, FA74279-10, FA74279-11, FA74279-12, FA74279-13, FA74279-14, FA74279-15, FA74279-16, FA74279-17, FA74279-26

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	133	106	50-147
71-43-2	Benzene	25	27.7	111	81-122
75-27-4	Bromodichloromethane	25	27.6	110	79-123
75-25-2	Bromoform	25	22.7	91	66-123
78-93-3	2-Butanone (MEK)	125	132	106	56-143
75-15-0	Carbon Disulfide	25	27.2	109	66-148
56-23-5	Carbon Tetrachloride	25	30.1	120	76-136
108-90-7	Chlorobenzene	25	22.4	90	82-124
75-00-3	Chloroethane	25	30.5	122	62-144
67-66-3	Chloroform	25	26.7	107	80-124
124-48-1	Dibromochloromethane	25	22.6	90	78-122
75-34-3	1,1-Dichloroethane	25	27.8	111	81-122
107-06-2	1,2-Dichloroethane	25	26.4	106	75-125
75-35-4	1,1-Dichloroethylene	25	27.1	108	78-137
156-59-2	cis-1,2-Dichloroethylene	25	26.7	107	78-120
156-60-5	trans-1,2-Dichloroethylene	25	27.3	109	76-127
78-87-5	1,2-Dichloropropane	25	26.8	107	76-124
10061-01-5	cis-1,3-Dichloropropene	25	29.7	119*	75-118
10061-02-6	trans-1,3-Dichloropropene	25	24.7	99	80-120
100-41-4	Ethylbenzene	25	22.9	92	81-121
591-78-6	2-Hexanone	125	108	86	61-129
74-83-9	Methyl Bromide	25	30.9	124	59-143
74-87-3	Methyl Chloride	25	25.6	102	50-159
75-09-2	Methylene Chloride	25	27.5	110	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	107	86	66-122
100-42-5	Styrene	25	23.0	92	78-119
79-34-5	1,1,2,2-Tetrachloroethane	25	20.9	84	72-120
127-18-4	Tetrachloroethylene	25	22.6	90	76-135
108-88-3	Toluene	25	22.4	90	80-120
71-55-6	1,1,1-Trichloroethane	25	28.0	112	75-130
79-00-5	1,1,2-Trichloroethane	25	22.4	90	76-119
79-01-6	Trichloroethylene	25	27.2	109	81-126
75-01-4	Vinyl Chloride	25	26.9	108	69-159
1330-20-7	Xylene (total)	75	68.4	91	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA74279
Account: UTC United Technologies Corporation
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2037-BS	Y49667.D	1	04/17/20	CV	n/a	n/a	VY2037

The QC reported here applies to the following samples: Method: SW846 8260D
FA74279-1, FA74279-2, FA74279-3, FA74279-4, FA74279-5, FA74279-6, FA74279-7, FA74279-8, FA74279-9, FA74279-10, FA74279-11, FA74279-12, FA74279-13, FA74279-14, FA74279-15, FA74279-16, FA74279-17, FA74279-26

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	105%	83-118%
17060-07-0	1,2-Dichloroethane-D4	100%	79-125%
2037-26-5	Toluene-D8	90%	85-112%
460-00-4	4-Bromofluorobenzene	96%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: FA74279**Account:** UTC United Technologies Corporation**Project:** AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C400-BS	3C09501.D	1	04/17/20	SP	n/a	n/a	V3C400

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

FA74279-18, FA74279-19, FA74279-20, FA74279-21, FA74279-22, FA74279-23, FA74279-24, FA74279-25, FA74279-27, FA74279-28, FA74279-29, FA74279-30, FA74279-31, FA74279-32, FA74279-33, FA74279-34

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	111	89	50-147
71-43-2	Benzene	25	20.6	82	81-122
75-27-4	Bromodichloromethane	25	22.3	89	79-123
75-25-2	Bromoform	25	20.2	81	66-123
78-93-3	2-Butanone (MEK)	125	100	80	56-143
75-15-0	Carbon Disulfide	25	20.6	82	66-148
56-23-5	Carbon Tetrachloride	25	24.0	96	76-136
108-90-7	Chlorobenzene	25	22.8	91	82-124
75-00-3	Chloroethane	25	24.2	97	62-144
67-66-3	Chloroform	25	21.5	86	80-124
124-48-1	Dibromochloromethane	25	21.6	86	78-122
75-34-3	1,1-Dichloroethane	25	21.2	85	81-122
107-06-2	1,2-Dichloroethane	25	22.6	90	75-125
75-35-4	1,1-Dichloroethylene	25	23.1	92	78-137
156-59-2	cis-1,2-Dichloroethylene	25	20.3	81	78-120
156-60-5	trans-1,2-Dichloroethylene	25	21.2	85	76-127
78-87-5	1,2-Dichloropropane	25	19.9	80	76-124
10061-01-5	cis-1,3-Dichloropropene	25	21.3	85	75-118
10061-02-6	trans-1,3-Dichloropropene	25	22.5	90	80-120
100-41-4	Ethylbenzene	25	23.3	93	81-121
591-78-6	2-Hexanone	125	105	84	61-129
74-83-9	Methyl Bromide	25	22.4	90	59-143
74-87-3	Methyl Chloride	25	18.2	73	50-159
75-09-2	Methylene Chloride	25	20.6	82	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	109	87	66-122
100-42-5	Styrene	25	22.9	92	78-119
79-34-5	1,1,2,2-Tetrachloroethane	25	22.2	89	72-120
127-18-4	Tetrachloroethylene	25	22.2	89	76-135
108-88-3	Toluene	25	22.1	88	80-120
71-55-6	1,1,1-Trichloroethane	25	22.5	90	75-130
79-00-5	1,1,2-Trichloroethane	25	21.1	84	76-119
79-01-6	Trichloroethylene	25	21.7	87	81-126
75-01-4	Vinyl Chloride	25	20.8	83	69-159
1330-20-7	Xylene (total)	75	71.3	95	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA74279
Account: UTC United Technologies Corporation
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C400-BS	3C09501.D	1	04/17/20	SP	n/a	n/a	V3C400

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

FA74279-18, FA74279-19, FA74279-20, FA74279-21, FA74279-22, FA74279-23, FA74279-24, FA74279-25, FA74279-27, FA74279-28, FA74279-29, FA74279-30, FA74279-31, FA74279-32, FA74279-33, FA74279-34

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	83-118%
17060-07-0	1,2-Dichloroethane-D4	109%	79-125%
2037-26-5	Toluene-D8	104%	85-112%
460-00-4	4-Bromofluorobenzene	100%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: FA74279**Account:** UTC United Technologies Corporation**Project:** AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VP2797-BS	P71030.D	1	04/21/20	AB	n/a	n/a	VP2797

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

FA74279-4, FA74279-16, FA74279-36, FA74279-37, FA74279-38, FA74279-39, FA74279-40

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	124	99	50-147
71-43-2	Benzene	25	27.4	110	81-122
75-27-4	Bromodichloromethane	25	25.9	104	79-123
75-25-2	Bromoform	25	23.7	95	66-123
78-93-3	2-Butanone (MEK)	125	118	94	56-143
75-15-0	Carbon Disulfide	25	25.2	101	66-148
56-23-5	Carbon Tetrachloride	25	27.0	108	76-136
108-90-7	Chlorobenzene	25	26.1	104	82-124
67-66-3	Chloroform	25	25.9	104	80-124
124-48-1	Dibromochloromethane	25	24.9	100	78-122
75-34-3	1,1-Dichloroethane	25	26.9	108	81-122
107-06-2	1,2-Dichloroethane	25	25.5	102	75-125
75-35-4	1,1-Dichloroethylene	25	27.8	111	78-137
156-59-2	cis-1,2-Dichloroethylene	25	26.8	107	78-120
156-60-5	trans-1,2-Dichloroethylene	25	26.9	108	76-127
78-87-5	1,2-Dichloropropane	25	28.0	112	76-124
10061-01-5	cis-1,3-Dichloropropene	25	26.3	105	75-118
10061-02-6	trans-1,3-Dichloropropene	25	25.6	102	80-120
100-41-4	Ethylbenzene	25	26.4	106	81-121
591-78-6	2-Hexanone	125	110	88	61-129
74-87-3	Methyl Chloride	25	20.9	84	50-159
75-09-2	Methylene Chloride	25	23.9	96	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	110	88	66-122
100-42-5	Styrene	25	26.4	106	78-119
79-34-5	1,1,2,2-Tetrachloroethane	25	24.7	99	72-120
127-18-4	Tetrachloroethylene	25	25.9	104	76-135
108-88-3	Toluene	25	25.7	103	80-120
71-55-6	1,1,1-Trichloroethane	25	26.1	104	75-130
79-00-5	1,1,2-Trichloroethane	25	26.2	105	76-119
79-01-6	Trichloroethylene	25	26.2	105	81-126
75-01-4	Vinyl Chloride	25	22.4	90	69-159
1330-20-7	Xylene (total)	75	80.8	108	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA74279
Account: UTC United Technologies Corporation
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VP2797-BS	P71030.D	1	04/21/20	AB	n/a	n/a	VP2797

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

FA74279-4, FA74279-16, FA74279-36, FA74279-37, FA74279-38, FA74279-39, FA74279-40

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	97%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	99%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: FA74279**Account:** UTC United Technologies Corporation**Project:** AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C401-BS	3C09531.D	1	04/21/20	SP	n/a	n/a	V3C401

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

FA74279-28, FA74279-29, FA74279-31, FA74279-32, FA74279-35

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	117	94	50-147
71-43-2	Benzene	25	20.6	82	81-122
75-27-4	Bromodichloromethane	25	23.7	95	79-123
75-25-2	Bromoform	25	21.1	84	66-123
78-93-3	2-Butanone (MEK)	125	103	82	56-143
75-15-0	Carbon Disulfide	25	18.6	74	66-148
56-23-5	Carbon Tetrachloride	25	24.8	99	76-136
108-90-7	Chlorobenzene	25	22.4	90	82-124
75-00-3	Chloroethane	25	26.0	104	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	21.5	86	81-122
107-06-2	1,2-Dichloroethane	25	24.6	98	75-125
75-35-4	1,1-Dichloroethylene	25	22.7	91	78-137
156-59-2	cis-1,2-Dichloroethylene	25	19.8	79	78-120
156-60-5	trans-1,2-Dichloroethylene	25	20.9	84	76-127
78-87-5	1,2-Dichloropropane	25	20.1	80	76-124
10061-01-5	cis-1,3-Dichloropropene	25	21.8	87	75-118
10061-02-6	trans-1,3-Dichloropropene	25	22.7	91	80-120
100-41-4	Ethylbenzene	25	23.3	93	81-121
591-78-6	2-Hexanone	125	107	86	61-129
74-83-9	Methyl Bromide	25	22.2	89	59-143
74-87-3	Methyl Chloride	25	18.7	75	50-159
75-09-2	Methylene Chloride	25	20.4	82	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	109	87	66-122
100-42-5	Styrene	25	23.2	93	78-119
79-34-5	1,1,2,2-Tetrachloroethane	25	21.0	84	72-120
127-18-4	Tetrachloroethylene	25	22.4	90	76-135
108-88-3	Toluene	25	21.7	87	80-120
71-55-6	1,1,1-Trichloroethane	25	23.7	95	75-130
79-00-5	1,1,2-Trichloroethane	25	21.1	84	76-119
79-01-6	Trichloroethylene	25	22.2	89	81-126
75-01-4	Vinyl Chloride	25	20.1	80	69-159
1330-20-7	Xylene (total)	75	71.6	95	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA74279
Account: UTC United Technologies Corporation
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C401-BS	3C09531.D	1	04/21/20	SP	n/a	n/a	V3C401

The QC reported here applies to the following samples: Method: SW846 8260D
FA74279-28, FA74279-29, FA74279-31, FA74279-32, FA74279-35

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	120%	79-125%
2037-26-5	Toluene-D8	102%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA74279
Account: UTC United Technologies Corporation
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI2043-BS	I64741.D	1	04/22/20	AB	n/a	n/a	VI2043

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

FA74279-36, FA74279-37, FA74279-38, FA74279-39, FA74279-40

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
75-00-3	Chloroethane	25	26.9	108	62-144
74-83-9	Methyl Bromide	25	26.3	105	59-143
127-18-4	Tetrachloroethylene	25	29.1	116	76-135

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	98%	79-125%
2037-26-5	Toluene-D8	101%	85-112%
460-00-4	4-Bromofluorobenzene	99%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 2

Job Number: FA74279

Account: UTC United Technologies Corporation

Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA74279-26MS	Y49689.D	10	04/17/20	CV	n/a	n/a	VY2037
FA74279-26MSD	Y49690.D	10	04/17/20	CV	n/a	n/a	VY2037
FA74279-26 ^a	Y49688.D	2.5	04/17/20	CV	n/a	n/a	VY2037

The QC reported here applies to the following samples:

Method: SW846 8260D

FA74279-1, FA74279-2, FA74279-3, FA74279-4, FA74279-5, FA74279-6, FA74279-7, FA74279-8, FA74279-9, FA74279-10, FA74279-11, FA74279-12, FA74279-13, FA74279-14, FA74279-15, FA74279-16, FA74279-17, FA74279-26

CAS No.	Compound	FA74279-26 ug/l	Spike Q	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND	1250	1350	108	1250	1350	108	0	50-147/21
71-43-2	Benzene	ND	250	274	110	250	272	109	1	81-122/14
75-27-4	Bromodichloromethane	ND	250	271	108	250	270	108	0	79-123/19
75-25-2	Bromoform	ND	250	204	82	250	214	86	5	66-123/21
78-93-3	2-Butanone (MEK)	ND	1250	1360	109	1250	1380	110	1	56-143/18
75-15-0	Carbon Disulfide	ND	250	255	102	250	258	103	1	66-148/23
56-23-5	Carbon Tetrachloride	ND	250	285	114	250	289	116	1	76-136/23
108-90-7	Chlorobenzene	ND	250	213	85	250	215	86	1	82-124/14
75-00-3	Chloroethane	ND	250	324	130	250	322	129	1	62-144/20
67-66-3	Chloroform	ND	250	261	104	250	257	103	2	80-124/15
124-48-1	Dibromochloromethane	ND	250	210	84	250	214	86	2	78-122/19
75-34-3	1,1-Dichloroethane	ND	250	276	110	250	273	109	1	81-122/15
107-06-2	1,2-Dichloroethane	ND	250	260	104	250	259	104	0	75-125/14
75-35-4	1,1-Dichloroethylene	4.8	250	264	104	250	269	106	2	78-137/18
156-59-2	cis-1,2-Dichloroethylene	8.7	250	269	104	250	269	104	0	78-120/15
156-60-5	trans-1,2-Dichloroethylene	ND	250	257	103	250	264	106	3	76-127/17
78-87-5	1,2-Dichloropropane	ND	250	260	104	250	266	106	2	76-124/14
10061-01-5	cis-1,3-Dichloropropene	ND	250	280	112	250	287	115	2	75-118/23
10061-02-6	trans-1,3-Dichloropropene	ND	250	219	88	250	228	91	4	80-120/22
100-41-4	Ethylbenzene	ND	250	220	88	250	218	87	1	81-121/14
591-78-6	2-Hexanone	ND	1250	1120	90	1250	1110	89	1	61-129/18
74-83-9	Methyl Bromide	ND	250	247	99	250	303	121	20*	59-143/19
74-87-3	Methyl Chloride	ND	250	271	108	250	269	108	1	50-159/19
75-09-2	Methylene Chloride	ND	250	275	110	250	274	110	0	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	1250	1080	86	1250	1100	88	2	66-122/16
100-42-5	Styrene	ND	250	214	86	250	218	87	2	78-119/23
79-34-5	1,1,2,2-Tetrachloroethane	ND	250	195	78	250	198	79	2	72-120/14
127-18-4	Tetrachloroethylene	220	250	410	76	250	409	76	0	76-135/16
108-88-3	Toluene	ND	250	212	85	250	212	85	0	80-120/14
71-55-6	1,1,1-Trichloroethane	ND	250	269	108	250	273	109	1	75-130/16
79-00-5	1,1,2-Trichloroethane	ND	250	207	83	250	211	84	2	76-119/14
79-01-6	Trichloroethylene	9.6	250	285	110	250	282	109	1	81-126/15
75-01-4	Vinyl Chloride	ND	250	277	111	250	280	112	1	69-159/18
1330-20-7	Xylene (total)	ND	750	644	86	750	655	87	2	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA74279
Account: UTC United Technologies Corporation
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA74279-26MS	Y49689.D	10	04/17/20	CV	n/a	n/a	VY2037
FA74279-26MSD	Y49690.D	10	04/17/20	CV	n/a	n/a	VY2037
FA74279-26 ^a	Y49688.D	2.5	04/17/20	CV	n/a	n/a	VY2037

The QC reported here applies to the following samples: Method: SW846 8260D
FA74279-1, FA74279-2, FA74279-3, FA74279-4, FA74279-5, FA74279-6, FA74279-7, FA74279-8, FA74279-9, FA74279-10, FA74279-11, FA74279-12, FA74279-13, FA74279-14, FA74279-15, FA74279-16, FA74279-17, FA74279-26

CAS No.	Surrogate Recoveries	MS	MSD	FA74279-26	Limits
1868-53-7	Dibromofluoromethane	105%	107%	109%	83-118%
17060-07-0	1,2-Dichloroethane-D4	99%	100%	107%	79-125%
2037-26-5	Toluene-D8	88%	88%	88%	85-112%
460-00-4	4-Bromofluorobenzene	93%	94%	95%	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: FA74279

Account: UTC United Technologies Corporation

Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA74279-29MS ^a	3C09524.D	2.5	04/17/20	SP	n/a	n/a	V3C400
FA74279-29MSD ^a	3C09525.D	2.5	04/17/20	SP	n/a	n/a	V3C400
FA74279-29 ^a	3C09517.D	2.5	04/17/20	SP	n/a	n/a	V3C400

The QC reported here applies to the following samples:

Method: SW846 8260D

FA74279-18, FA74279-19, FA74279-20, FA74279-21, FA74279-22, FA74279-23, FA74279-24, FA74279-25, FA74279-27, FA74279-28, FA74279-29, FA74279-30, FA74279-31, FA74279-32, FA74279-33, FA74279-34

CAS No.	Compound	FA74279-29 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		313	309	99	313	286	92	8	50-147/21
71-43-2	Benzene	ND		62.5	52.2	84	62.5	46.6	75*	11	81-122/14
75-27-4	Bromodichloromethane	ND		62.5	59.5	95	62.5	53.1	85	11	79-123/19
75-25-2	Bromoform	ND		62.5	54.0	86	62.5	50.3	80	7	66-123/21
78-93-3	2-Butanone (MEK)	ND		313	269	86	313	255	82	5	56-143/18
75-15-0	Carbon Disulfide	ND		62.5	50.3	80	62.5	42.5	68	17	66-148/23
56-23-5	Carbon Tetrachloride	ND		62.5	64.4	103	62.5	54.5	87	17	76-136/23
108-90-7	Chlorobenzene	ND		62.5	56.5	90	62.5	51.6	83	9	82-124/14
75-00-3	Chloroethane	ND		62.5	68.1	109	62.5	59.7	96	13	62-144/20
67-66-3	Chloroform	ND		62.5	57.9	93	62.5	50.9	81	13	80-124/15
124-48-1	Dibromochloromethane	ND		62.5	56.8	91	62.5	54.0	86	5	78-122/19
75-34-3	1,1-Dichloroethane	ND		62.5	55.1	88	62.5	47.9	77*	14	81-122/15
107-06-2	1,2-Dichloroethane	ND		62.5	63.4	101	62.5	57.0	91	11	75-125/14
75-35-4	1,1-Dichloroethylene	ND		62.5	59.0	94	62.5	51.2	82	14	78-137/18
156-59-2	cis-1,2-Dichloroethylene	28.1		62.5	69.2	66*	62.5	61.4	53*	12	78-120/15
156-60-5	trans-1,2-Dichloroethylene	ND		62.5	54.3	87	62.5	47.1	75*	14	76-127/17
78-87-5	1,2-Dichloropropane	ND		62.5	50.8	81	62.5	45.6	73*	11	76-124/14
10061-01-5	cis-1,3-Dichloropropene	ND		62.5	53.6	86	62.5	48.3	77	10	75-118/23
10061-02-6	trans-1,3-Dichloropropene	ND		62.5	56.0	90	62.5	51.9	83	8	80-120/22
100-41-4	Ethylbenzene	ND		62.5	58.4	93	62.5	53.0	85	10	81-121/14
591-78-6	2-Hexanone	ND		313	284	91	313	278	89	2	61-129/18
74-83-9	Methyl Bromide	ND		62.5	56.8	91	62.5	50.4	81	12	59-143/19
74-87-3	Methyl Chloride	ND		62.5	42.9	69	62.5	39.1	63	9	50-159/19
75-09-2	Methylene Chloride	ND		62.5	55.5	89	62.5	49.2	79	12	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		313	288	92	313	278	89	4	66-122/16
100-42-5	Styrene	ND		62.5	57.3	92	62.5	52.3	84	9	78-119/23
79-34-5	1,1,2,2-Tetrachloroethane	ND		62.5	56.0	90	62.5	53.9	86	4	72-120/14
127-18-4	Tetrachloroethylene	421	E	62.5	326	-152* ^b	62.5	295	-202* ^b	10	76-135/16
108-88-3	Toluene	ND		62.5	54.1	87	62.5	49.3	79*	9	80-120/14
71-55-6	1,1,1-Trichloroethane	ND		62.5	60.8	97	62.5	52.9	85	14	75-130/16
79-00-5	1,1,2-Trichloroethane	ND		62.5	53.6	86	62.5	50.8	81	5	76-119/14
79-01-6	Trichloroethylene	97.4		62.5	119	35*	62.5	105	12*	13	81-126/15
75-01-4	Vinyl Chloride	ND		62.5	45.6	73	62.5	43.4	69	5	69-159/18
1330-20-7	Xylene (total)	ND		188	178	95	188	161	86	10	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 2 of 2

Job Number: FA74279

Account: UTC United Technologies Corporation

Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA74279-29MS ^a	3C09524.D	2.5	04/17/20	SP	n/a	n/a	V3C400
FA74279-29MSD ^a	3C09525.D	2.5	04/17/20	SP	n/a	n/a	V3C400
FA74279-29 ^a	3C09517.D	2.5	04/17/20	SP	n/a	n/a	V3C400

The QC reported here applies to the following samples:

Method: SW846 8260D

FA74279-18, FA74279-19, FA74279-20, FA74279-21, FA74279-22, FA74279-23, FA74279-24, FA74279-25, FA74279-27, FA74279-28, FA74279-29, FA74279-30, FA74279-31, FA74279-32, FA74279-33, FA74279-34

CAS No.	Surrogate Recoveries	MS	MSD	FA74279-29	Limits
1868-53-7	Dibromofluoromethane	100%	98%	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	124%	120%	120%	79-125%
2037-26-5	Toluene-D8	101%	103%	102%	85-112%
460-00-4	4-Bromofluorobenzene	96%	99%	100%	83-118%

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

(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 2

Job Number: FA74279

Account: UTC United Technologies Corporation

Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA74255-18MS	P71048.D	5	04/21/20	AB	n/a	n/a	VP2797
FA74255-18MSD	P71049.D	5	04/21/20	AB	n/a	n/a	VP2797
FA74255-18	P71029.D	1	04/21/20	AB	n/a	n/a	VP2797

The QC reported here applies to the following samples:

Method: SW846 8260D

FA74279-4, FA74279-16, FA74279-36, FA74279-37, FA74279-38, FA74279-39, FA74279-40

CAS No.	Compound	FA74255-18 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	671	107	625	639	102	5	50-147/21
71-43-2	Benzene	1.8	125	140	111	125	140	111	0	81-122/14
75-27-4	Bromodichloromethane	ND	125	135	108	125	133	106	1	79-123/19
75-25-2	Bromoform	ND	125	118	94	125	117	94	1	66-123/21
78-93-3	2-Butanone (MEK)	ND	625	620	99	625	584	93	6	56-143/18
75-15-0	Carbon Disulfide	ND	125	129	103	125	128	102	1	66-148/23
56-23-5	Carbon Tetrachloride	ND	125	139	111	125	135	108	3	76-136/23
108-90-7	Chlorobenzene	ND	125	129	103	125	128	102	1	82-124/14
67-66-3	Chloroform	ND	125	132	106	125	131	105	1	80-124/15
124-48-1	Dibromochloromethane	ND	125	124	99	125	121	97	2	78-122/19
75-34-3	1,1-Dichloroethane	ND	125	140	112	125	138	110	1	81-122/15
107-06-2	1,2-Dichloroethane	ND	125	131	105	125	130	104	1	75-125/14
75-35-4	1,1-Dichloroethylene	ND	125	143	114	125	143	114	0	78-137/18
156-59-2	cis-1,2-Dichloroethylene	ND	125	135	108	125	133	106	1	78-120/15
156-60-5	trans-1,2-Dichloroethylene	ND	125	138	110	125	136	109	1	76-127/17
78-87-5	1,2-Dichloropropane	ND	125	138	110	125	141	113	2	76-124/14
10061-01-5	cis-1,3-Dichloropropene	ND	125	117	94	125	120	96	3	75-118/23
10061-02-6	trans-1,3-Dichloropropene	ND	125	124	99	125	122	98	2	80-120/22
100-41-4	Ethylbenzene	18.5	125	145	101	125	142	99	2	81-121/14
591-78-6	2-Hexanone	ND	625	604	97	625	560	90	8	61-129/18
74-87-3	Methyl Chloride	ND	125	112	90	125	120	96	7	50-159/19
75-09-2	Methylene Chloride	ND	125	129	103	125	129	103	0	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	625	583	93	625	555	89	5	66-122/16
100-42-5	Styrene	ND	125	129	103	125	129	103	0	78-119/23
79-34-5	1,1,2,2-Tetrachloroethane	ND	125	125	100	125	124	99	1	72-120/14
127-18-4	Tetrachloroethylene	ND	125	126	101	125	124	99	2	76-135/16
108-88-3	Toluene	2.4	125	128	100	125	126	99	2	80-120/14
71-55-6	1,1,1-Trichloroethane	ND	125	132	106	125	133	106	1	75-130/16
79-00-5	1,1,2-Trichloroethane	ND	125	129	103	125	128	102	1	76-119/14
79-01-6	Trichloroethylene	ND	125	132	106	125	130	104	2	81-126/15
75-01-4	Vinyl Chloride	ND	125	115	92	125	121	97	5	69-159/18
1330-20-7	Xylene (total)	66.7	375	447	101	375	441	100	1	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA74279
Account: UTC United Technologies Corporation
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA74255-18MS	P71048.D	5	04/21/20	AB	n/a	n/a	VP2797
FA74255-18MSD	P71049.D	5	04/21/20	AB	n/a	n/a	VP2797
FA74255-18	P71029.D	1	04/21/20	AB	n/a	n/a	VP2797

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

FA74279-4, FA74279-16, FA74279-36, FA74279-37, FA74279-38, FA74279-39, FA74279-40

CAS No.	Surrogate Recoveries	MS	MSD	FA74255-18	Limits
1868-53-7	Dibromofluoromethane	101%	100%	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	101%	98%	95%	79-125%
2037-26-5	Toluene-D8	96%	96%	98%	85-112%
460-00-4	4-Bromofluorobenzene	95%	98%	97%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 2

Job Number: FA74279

Account: UTC United Technologies Corporation

Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA74279-28MS ^a	3C09553.D	1	04/21/20	SP	n/a	n/a	V3C401
FA74279-28MSD ^a	3C09554.D	1	04/21/20	SP	n/a	n/a	V3C401
FA74279-28 ^a	3C09532.D	1	04/21/20	SP	n/a	n/a	V3C401

The QC reported here applies to the following samples:

Method: SW846 8260D

FA74279-28, FA74279-29, FA74279-31, FA74279-32, FA74279-35

CAS No.	Compound	FA74279-28 ug/l	Spike Q	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	129	103	125	100	3	50-147/21
71-43-2	Benzene	ND		25	21.7	87	25	78*	11	81-122/14
75-27-4	Bromodichloromethane	ND		25	25.4	102	25	95	7	79-123/19
75-25-2	Bromoform	ND		25	20.5	82	25	82	0	66-123/21
78-93-3	2-Butanone (MEK)	ND		125	113	90	125	90	0	56-143/18
75-15-0	Carbon Disulfide	ND		25	19.7	79	25	70	12	66-148/23
56-23-5	Carbon Tetrachloride	ND		25	27.6	110	25	98	12	76-136/23
108-90-7	Chlorobenzene	ND		25	23.5	94	25	87	8	82-124/14
75-00-3	Chloroethane	ND		25	30.7	123	25	118	4	62-144/20
67-66-3	Chloroform	ND		25	24.6	98	25	89	10	80-124/15
124-48-1	Dibromochloromethane	ND		25	23.3	93	25	88	5	78-122/19
75-34-3	1,1-Dichloroethane	ND		25	22.7	91	25	83	9	81-122/15
107-06-2	1,2-Dichloroethane	ND		25	27.3	109	25	101	8	75-125/14
75-35-4	1,1-Dichloroethylene	7.4		25	31.3	96	25	86	8	78-137/18
156-59-2	cis-1,2-Dichloroethylene	116	E	25	138	88	25	44* ^b	8	78-120/15
156-60-5	trans-1,2-Dichloroethylene	ND		25	22.2	89	25	81	9	76-127/17
78-87-5	1,2-Dichloropropane	ND		25	21.0	84	25	79	6	76-124/14
10061-01-5	cis-1,3-Dichloropropene	ND		25	22.3	89	25	84	6	75-118/23
10061-02-6	trans-1,3-Dichloropropene	ND		25	22.8	91	25	88	4	80-120/22
100-41-4	Ethylbenzene	ND		25	24.1	96	25	88	9	81-121/14
591-78-6	2-Hexanone	ND		125	120	96	125	97	1	61-129/18
74-83-9	Methyl Bromide	ND		25	16.5	66	25	90	30*	59-143/19
74-87-3	Methyl Chloride	ND		25	28.2	113	25	89	24*	50-159/19
75-09-2	Methylene Chloride	ND		25	23.0	92	25	83	11	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		125	121	97	125	96	1	66-122/16
100-42-5	Styrene	ND		25	23.6	94	25	88	7	78-119/23
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	22.5	90	25	88	2	72-120/14
127-18-4	Tetrachloroethylene	105	E	25	127	88	25	44* ^b	9	76-135/16
108-88-3	Toluene	ND		25	22.3	89	25	82	8	80-120/14
71-55-6	1,1,1-Trichloroethane	ND		25	25.6	102	25	93	10	75-130/16
79-00-5	1,1,2-Trichloroethane	ND		25	22.4	90	25	86	4	76-119/14
79-01-6	Trichloroethylene	32.8		25	59.0	105	25	80*	11	81-126/15
75-01-4	Vinyl Chloride	ND		25	20.6	82	25	82	0	69-159/18
1330-20-7	Xylene (total)	ND		75	73.6	98	75	91	8	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 2 of 2

Job Number: FA74279

Account: UTC United Technologies Corporation

Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA74279-28MS ^a	3C09553.D	1	04/21/20	SP	n/a	n/a	V3C401
FA74279-28MSD ^a	3C09554.D	1	04/21/20	SP	n/a	n/a	V3C401
FA74279-28 ^a	3C09532.D	1	04/21/20	SP	n/a	n/a	V3C401

The QC reported here applies to the following samples:

Method: SW846 8260D

FA74279-28, FA74279-29, FA74279-31, FA74279-32, FA74279-35

CAS No.	Surrogate Recoveries	MS	MSD	FA74279-28	Limits
1868-53-7	Dibromofluoromethane	103%	101%	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	129%* ^c	126%* ^c	119%	79-125%
2037-26-5	Toluene-D8	100%	101%	101%	85-112%
460-00-4	4-Bromofluorobenzene	97%	97%	99%	83-118%

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

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

(c) Outside control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA74279
Account: UTC United Technologies Corporation
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA74207-2MS	I64758.D	1000	04/22/20	AB	n/a	n/a	VI2043
FA74207-2MSD	I64759.D	1000	04/22/20	AB	n/a	n/a	VI2043
FA74207-2	I64753.D	500	04/22/20	AB	n/a	n/a	VI2043

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

FA74279-36, FA74279-37, FA74279-38, FA74279-39, FA74279-40

CAS No.	Compound	FA74207-2 ug/l	Spike Q ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
75-00-3	Chloroethane	ND	25000	29600	118	25000	30100	120	2	62-144/20
74-83-9	Methyl Bromide	ND	25000	25700	103	25000	29800	119	15	59-143/19
127-18-4	Tetrachloroethylene	19700	25000	47800	112	25000	50500	123	5	76-135/16

CAS No.	Surrogate Recoveries	MS	MSD	FA74207-2	Limits
1868-53-7	Dibromofluoromethane	100%	100%	95%	83-118%
17060-07-0	1,2-Dichloroethane-D4	105%	100%	101%	79-125%
2037-26-5	Toluene-D8	99%	99%	97%	85-112%
460-00-4	4-Bromofluorobenzene	96%	96%	96%	83-118%

* = Outside of Control Limits.

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

e-Hardcopy 2.0
Automated Report

Technical Report for

United Technologies Corporation

AECOMSCG: Delavan Spray Technologies; Bamberg, SC

60578249.01

SGS Job Number: FA74304

Sampling Date: 04/15/20



Report to:

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

ATTN: Doria Cullom

Total number of pages in report: **36**



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.



Caitlin Brice, M.S.
General Manager

Client Service contact: Heather Wandrey 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), IL(200063), NC(573), NJ(FL002), NY(12022), SC(96038001)
DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177),
AK, AR, IA, KY, MA, MS, ND, NH, NV, OK, OR, UT, WA, WV

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Test results relate only to samples analyzed.

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Sample Summary

United Technologies Corporation

Job No: FA74304

AECOMSCG: Delavan Spray Technologies; Bamberg, SC
Project No: 60578249.01

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

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

FA74304-1	04/15/20	15:45 RMMR	04/16/20	AQ	Water	AQUEOUS IDW
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SAMPLE DELIVERY GROUP CASE NARRATIVE

2

Client: United Technologies Corporation

Job No: FA74304

Site: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Report Date 4/29/2020 1:35:01 PM

1 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were collected on 04/15/2020 and were received at SGS North America Inc - Orlando on 04/16/2020 properly preserved, at 2.8 Deg. C and intact. These Samples received an SGS Orlando job number of FA74304. 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 Semi-volatiles By Method SW846 8270E

Matrix: AQ

Batch ID: OP79883

All samples were extracted 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) FA74304-1MS, FA74304-1MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for 4-Chloroaniline are outside control limits.

FA74304-1 for Hexachlorocyclopentadiene: Associated CCV outside of control limits low.

FA74304-1 for 4-Chloroaniline: Associated BS recovery outside control limits.

Metals Analysis By Method SW846 6010D

Matrix: AQ

Batch ID: MP37118

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) FA74340-1DUP, FA74340-1MS, FA74340-1MSD, FA74340-1PS, FA74340-1SDL, were used as the QC samples for metals.

Matrix Spike Recovery(s) for Antimony, Arsenic, Beryllium, Cadmium, Copper, Nickel, Selenium, Zinc are outside control limits. Spike recovery indicates possible matrix interference.

Matrix Spike Duplicate Recovery(s) for Antimony, Arsenic, Beryllium, Cadmium, Chromium, Copper, Nickel, Selenium, Silver, Zinc are outside control limits. Probable cause is due to matrix interference.

RPD(s) for Duplicate for Antimony, Selenium are outside control limits for sample MP37118-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for Serial Dilution for Antimony, Beryllium, Cadmium, Lead, Selenium, Chromium, Copper, Nickel, Zinc are outside control limits for sample MP37118-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP37118-PS1 for Arsenic: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP37118-PS1 for Zinc: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP37118-PS1 for Silver: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP37118-PS1 for Selenium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP37118-PS1 for Nickel: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP37118-PS1 for Copper: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP37118-PS1 for Chromium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP37118-SD1 for Zinc: Serial dilution indicates possible matrix interference.

MP37118-PS1 for Beryllium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP37118-SD1 for Nickel: Serial dilution indicates possible matrix interference.

MP37118-PS1 for Antimony: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP37118-SD1 for Chromium: Serial dilution indicates possible matrix interference.

MP37118-SD1 for Copper: Serial dilution indicates possible matrix interference.

MP37118-PS1 for Cadmium: 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: MP37133

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) FA74275-3DUP, FA74275-3MS, FA74275-3MSD, FA74275-3SDL 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: FA74304
Account: United Technologies Corporation
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC
Collected: 04/15/20



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA74304-1	AQUEOUS IDW					
Chromium		4.6 J	10	1.0	ug/l	SW846 6010D
Copper		7.6 J	25	1.0	ug/l	SW846 6010D
Nickel		2.4 J	40	0.40	ug/l	SW846 6010D
Zinc		59.8	20	4.4	ug/l	SW846 6010D



Orlando, FL

Section 4

4

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	AQUEOUS IDW	Date Sampled:	04/15/20
Lab Sample ID:	FA74304-1	Date Received:	04/16/20
Matrix:	AQ - 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	9I008442.D	1	04/23/20 01:13	NJ	04/22/20 07:41	OP79883	S9I316
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List

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 ^a	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	

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:	AQUEOUS IDW	Date Sampled:	04/15/20
Lab Sample ID:	FA74304-1	Date Received:	04/16/20
Matrix:	AQ - 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	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	
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 ^b	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	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	17%		14-67%
4165-62-2	Phenol-d5	10%		10-50%
118-79-6	2,4,6-Tribromophenol	54%		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:	AQUEOUS IDW	Date Sampled:	04/15/20
Lab Sample ID:	FA74304-1	Date Received:	04/16/20
Matrix:	AQ - 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	53%		42-108%
321-60-8	2-Fluorobiphenyl	54%		40-106%
1718-51-0	Terphenyl-d14	63%		39-121%

- (a) Associated BS recovery outside control limits.
(b) Associated CCV outside of control limits low.

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:	AQUEOUS IDW	Date Sampled:	04/15/20
Lab Sample ID:	FA74304-1	Date Received:	04/16/20
Matrix:	AQ - 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	04/20/20	04/21/20	LM	SW846 6010D ¹ SW846 3010A ³
Arsenic	1.3 U	10	1.3	ug/l	1	04/20/20	04/21/20	LM	SW846 6010D ¹ SW846 3010A ³
Beryllium	0.20 U	4.0	0.20	ug/l	1	04/20/20	04/21/20	LM	SW846 6010D ¹ SW846 3010A ³
Cadmium	0.20 U	5.0	0.20	ug/l	1	04/20/20	04/21/20	LM	SW846 6010D ¹ SW846 3010A ³
Chromium	4.6 J	10	1.0	ug/l	1	04/20/20	04/21/20	LM	SW846 6010D ¹ SW846 3010A ³
Copper	7.6 J	25	1.0	ug/l	1	04/20/20	04/21/20	LM	SW846 6010D ¹ SW846 3010A ³
Lead	1.1 U	5.0	1.1	ug/l	1	04/20/20	04/21/20	LM	SW846 6010D ¹ SW846 3010A ³
Mercury	0.030 U	0.50	0.030	ug/l	1	04/21/20	04/21/20	JC	SW846 7470A ² SW846 7470A ⁴
Nickel	2.4 J	40	0.40	ug/l	1	04/20/20	04/21/20	LM	SW846 6010D ¹ SW846 3010A ³
Selenium	2.9 U	10	2.9	ug/l	1	04/20/20	04/21/20	LM	SW846 6010D ¹ SW846 3010A ³
Silver	0.70 U	10	0.70	ug/l	1	04/20/20	04/21/20	LM	SW846 6010D ¹ SW846 3010A ³
Thallium	1.4 U	10	1.4	ug/l	1	04/20/20	04/21/20	LM	SW846 6010D ¹ SW846 3010A ³
Zinc	59.8	20	4.4	ug/l	1	04/20/20	04/21/20	LM	SW846 6010D ¹ SW846 3010A ³

- (1) Instrument QC Batch: MA16695
- (2) Instrument QC Batch: MA16697
- (3) Prep QC Batch: MP37118
- (4) Prep QC Batch: MP37133

RL = Reporting Limit
MDL = Method Detection Limit
U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Chain of Custody and Analytical Request

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

[illegible]

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

VOC'S ARE UNPRESERVED 7 DAY HOLDING TIME

INITIAL ASSESSMENT SP
 LABEL VERIFICATION SP

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

FA74304: Chain of Custody

Page 1 of 2

SGS

13 of 36

FA74304

SGS Sample Receipt Summary

Job Number: FA74304

Client: AECOM

Project: UTC DELAVAN

Date / Time Received: 4/16/2020 9:15:00 AM

Delivery Method: FX

Airbill #s:

Therm ID: IR 1;

Therm CF: -0.8;

of Coolers: 1

Cooler Temps (Raw Measured) °C: Cooler 1: (3.6);

Cooler Temps (Corrected) °C: Cooler 1: (2.8);

Cooler Information

Y or N

- | | | |
|-----------------------------|-------------------------------------|--------------------------|
| 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> | |

Trip Blank Information

Y or N N/A

- | | | | |
|--------------------------------|--------------------------|--------------------------|-------------------------------------|
| 1. Trip Blank present / cooler | ☐ | ☐ | ☒ |
| 2. Trip Blank listed on COC | ☐ | ☐ | ☒ |
| | <u>W or S</u> | <u>N/A</u> | |
| 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 | <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? | ☐ | ☐ | ☒ |

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____
 Test Strip Lot #s: pH 0-3 230315
 Residual Chlorine Test Strip Lot #: _____

Number of 5035 Field Kits: _____
 pH 10-12 219813A

Number of Lab Filtered Metals: _____
 Other: (Specify) _____

Comments

SM001
Rev. Date 05/24/17

Technician: PETERH

Date: 4/16/2020 9:15:00 AM

Reviewer: _____

Date: _____

FA74304: Chain of Custody

Page 2 of 2

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

Page 1 of 3

Job Number: FA74304**Account:** UTC United Technologies Corporation**Project:** AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP79883-MB	9I008441.D	1	04/23/20	NJ	04/22/20	OP79883	S9I316

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

FA74304-1

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

Page 2 of 3

Job Number: FA74304**Account:** UTC United Technologies Corporation**Project:** AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP79883-MB	9I008441.D	1	04/23/20	NJ	04/22/20	OP79883	S9I316

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

FA74304-1

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	27% 14-67%
4165-62-2	Phenol-d5	19% 10-50%

Method Blank Summary

Job Number: FA74304
Account: UTC United Technologies Corporation
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP79883-MB	9I008441.D	1	04/23/20	NJ	04/22/20	OP79883	S9I316

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

FA74304-1

CAS No.	Surrogate Recoveries	Limits
118-79-6	2,4,6-Tribromophenol	68% 33-118%
4165-60-0	Nitrobenzene-d5	70% 42-108%
321-60-8	2-Fluorobiphenyl	71% 40-106%
1718-51-0	Terphenyl-d14	76% 39-121%

Blank Spike Summary

Page 1 of 3

Job Number: FA74304**Account:** UTC United Technologies Corporation**Project:** AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP79883-BS	9I008440.D	1	04/23/20	NJ	04/22/20	OP79883	S9I316

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

FA74304-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	24.3	24	10-69
59-50-7	4-Chloro-3-methyl Phenol	50	35.8	72	54-103
95-57-8	2-Chlorophenol	50	32.9	66	52-98
120-83-2	2,4-Dichlorophenol	50	38.3	77	53-103
105-67-9	2,4-Dimethylphenol	50	35.9	72	43-90
51-28-5	2,4-Dinitrophenol	100	82.2	82	44-112
534-52-1	4,6-Dinitro-o-cresol	100	84.4	84	66-121
95-48-7	2-Methylphenol	50	28.6	57	43-90
	3&4-Methylphenol	100	51.4	51	36-88
88-75-5	2-Nitrophenol	50	38.9	78	53-102
100-02-7	4-Nitrophenol	100	32.2	32	18-62
87-86-5	Pentachlorophenol	100	82.9	83	61-115
108-95-2	Phenol	50	12.4	25	19-56
95-95-4	2,4,5-Trichlorophenol	50	41.5	83	62-109
88-06-2	2,4,6-Trichlorophenol	50	41.3	83	59-107
208-96-8	Acenaphthylene	50	44.9	90	60-104
120-12-7	Anthracene	50	44.2	88	65-108
56-55-3	Benzo(a)anthracene	50	44.4	89	66-111
50-32-8	Benzo(a)pyrene	50	42.3	85	62-107
205-99-2	Benzo(b)fluoranthene	50	46.0	92	65-114
191-24-2	Benzo(g,h,i)perylene	50	45.2	90	66-116
207-08-9	Benzo(k)fluoranthene	50	46.5	93	65-114
100-51-6	Benzyl Alcohol	50	27.6	55	46-94
101-55-3	4-Bromophenyl Phenyl Ether	50	46.7	93	65-109
85-68-7	Butyl Benzyl Phthalate	50	49.0	98	65-112
86-74-8	Carbazole	50	46.1	92	59-113
106-47-8	4-Chloroaniline	50	19.5	39*	49-105
111-91-1	bis(2-Chloroethoxy)methane	50	42.4	85	51-102
111-44-4	bis(2-Chloroethyl)ether	50	40.0	80	53-100
108-60-1	2,2'-Oxybis(1-chloropropane)	50	42.3	85	45-106
91-58-7	2-Chloronaphthalene	50	42.3	85	57-103
7005-72-3	4-Chlorophenyl Phenyl Ether	50	43.9	88	62-105
218-01-9	Chrysene	50	46.9	94	66-111
53-70-3	Dibenzo(a,h)anthracene	50	44.2	88	66-119
132-64-9	Dibenzofuran	50	43.6	87	61-106
95-50-1	1,2-Dichlorobenzene	50	38.8	78	48-97

* = Outside of Control Limits.

Blank Spike Summary

Page 2 of 3

Job Number: FA74304**Account:** UTC United Technologies Corporation**Project:** AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP79883-BS	9I008440.D	1	04/23/20	NJ	04/22/20	OP79883	S9I316

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

FA74304-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
541-73-1	1,3-Dichlorobenzene	50	38.8	78	45-95
106-46-7	1,4-Dichlorobenzene	50	37.8	76	45-98
91-94-1	3,3'-Dichlorobenzidine	50	26.7	53	46-117
84-66-2	Diethyl Phthalate	50	46.0	92	64-108
131-11-3	Dimethyl Phthalate	50	45.1	90	63-106
84-74-2	Di-n-butyl Phthalate	50	48.2	96	65-107
117-84-0	Di-n-octyl Phthalate	50	50.2	100	62-118
121-14-2	2,4-Dinitrotoluene	50	45.6	91	61-110
606-20-2	2,6-Dinitrotoluene	50	43.6	87	63-108
117-81-7	bis(2-Ethylhexyl)phthalate	50	49.3	99	61-117
206-44-0	Fluoranthene	50	45.7	91	63-106
86-73-7	Fluorene	50	44.3	89	62-108
118-74-1	Hexachlorobenzene	50	44.4	89	63-108
87-68-3	Hexachlorobutadiene	50	40.2	80	42-102
77-47-4	Hexachlorocyclopentadiene	50	29.1	58	39-102
67-72-1	Hexachloroethane	50	38.6	77	42-100
193-39-5	Indeno(1,2,3-cd)pyrene	50	43.9	88	64-119
78-59-1	Isophorone	50	39.9	80	43-87
91-57-6	2-Methylnaphthalene	50	40.2	80	51-102
91-20-3	Naphthalene	50	39.9	80	47-100
88-74-4	2-Nitroaniline	50	56.6	113	54-128
99-09-2	3-Nitroaniline	50	39.8	80	56-106
100-01-6	4-Nitroaniline	50	37.6	75	55-120
98-95-3	Nitrobenzene	50	41.0	82	50-104
621-64-7	N-Nitrosodi-n-propylamine	50	39.8	80	52-104
86-30-6	N-Nitrosodiphenylamine	50	44.1	88	64-108
85-01-8	Phenanthrene	50	44.4	89	66-110
129-00-0	Pyrene	50	46.4	93	64-113
120-82-1	1,2,4-Trichlorobenzene	50	39.9	80	45-97

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	37%	14-67%
4165-62-2	Phenol-d5	28%	10-50%
118-79-6	2,4,6-Tribromophenol	84%	33-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA74304
Account: UTC United Technologies Corporation
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP79883-BS	9I008440.D	1	04/23/20	NJ	04/22/20	OP79883	S9I316

The QC reported here applies to the following samples: Method: SW846 8270E
FA74304-1

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	80%	42-108%
321-60-8	2-Fluorobiphenyl	82%	40-106%
1718-51-0	Terphenyl-d14	83%	39-121%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 3

Job Number: FA74304

Account: UTC United Technologies Corporation

Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP79883-MS	9I008443.D	1	04/23/20	NJ	04/22/20	OP79883	S9I316
OP79883-MSD	9I008444.D	1	04/23/20	NJ	04/22/20	OP79883	S9I316
FA74304-1	9I008442.D	1	04/23/20	NJ	04/22/20	OP79883	S9I316

The QC reported here applies to the following samples:

Method: SW846 8270E

FA74304-1

CAS No.	Compound	FA74304-1 ug/l	Spike Q	ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		192	43.5	23	192	57.2	30	27	10-69/39
59-50-7	4-Chloro-3-methyl Phenol	ND		96.2	57.1	59	96.2	68.0	71	17	54-103/23
95-57-8	2-Chlorophenol	ND		96.2	52.0	54	96.2	60.0	62	14	52-98/25
120-83-2	2,4-Dichlorophenol	ND		96.2	60.0	62	96.2	69.0	72	14	53-103/26
105-67-9	2,4-Dimethylphenol	ND		96.2	55.7	58	96.2	65.5	68	16	43-90/27
51-28-5	2,4-Dinitrophenol	ND		192	136	71	192	157	82	14	44-112/25
534-52-1	4,6-Dinitro-o-cresol	ND		192	139	72	192	157	82	12	66-121/23
95-48-7	2-Methylphenol	ND		96.2	45.3	47	96.2	55.2	57	20	43-90/28
	3&4-Methylphenol	ND		192	86.0	45	192	103	54	18	36-88/28
88-75-5	2-Nitrophenol	ND		96.2	59.0	61	96.2	69.3	72	16	53-102/29
100-02-7	4-Nitrophenol	ND		192	59.3	31	192	78.1	41	27	18-62/33
87-86-5	Pentachlorophenol	ND		192	138	72	192	154	80	11	61-115/26
108-95-2	Phenol	ND		96.2	24.5	25	96.2	30.4	32	21	19-56/35
95-95-4	2,4,5-Trichlorophenol	ND		96.2	64.8	67	96.2	76.6	80	17	62-109/22
88-06-2	2,4,6-Trichlorophenol	ND		96.2	63.5	66	96.2	76.0	79	18	59-107/23
83-32-9	Acenaphthene	ND		96.2	66.6	69	96.2	78.7	82	17	61-107/22
208-96-8	Acenaphthylene	ND		96.2	69.9	73	96.2	82.3	86	16	60-104/22
120-12-7	Anthracene	ND		96.2	69.2	72	96.2	82.8	86	18	65-108/20
56-55-3	Benzo(a)anthracene	ND		96.2	69.2	72	96.2	83.1	86	18	66-111/22
50-32-8	Benzo(a)pyrene	ND		96.2	66.5	69	96.2	80.1	83	19	62-107/23
205-99-2	Benzo(b)fluoranthene	ND		96.2	69.3	72	96.2	87.3	91	23	65-114/23
191-24-2	Benzo(g,h,i)perylene	ND		96.2	68.0	71	96.2	84.8	88	22	66-116/23
207-08-9	Benzo(k)fluoranthene	ND		96.2	73.0	76	96.2	86.1	90	16	65-114/24
100-51-6	Benzyl Alcohol	ND		96.2	44.2	46	96.2	54.6	57	21	46-94/27
101-55-3	4-Bromophenyl Phenyl Ether	ND		96.2	72.5	75	96.2	86.4	90	17	65-109/23
85-68-7	Butyl Benzyl Phthalate	ND		96.2	74.0	77	96.2	90.1	94	20	65-112/24
86-74-8	Carbazole	ND		96.2	72.8	76	96.2	86.4	90	17	59-113/21
106-47-8	4-Chloroaniline	ND		96.2	54.9	57	96.2	67.0	70	20	49-105/27
111-91-1	bis(2-Chloroethoxy)methane	ND		96.2	64.3	67	96.2	77.4	80	18	51-102/28
111-44-4	bis(2-Chloroethyl)ether	ND		96.2	60.4	63	96.2	72.1	75	18	53-100/27
108-60-1	2,2' -Oxybis(1-chloropropane)	ND		96.2	63.8	66	96.2	78.8	82	21	45-106/26
91-58-7	2-Chloronaphthalene	ND		96.2	65.3	68	96.2	77.4	80	17	57-103/23
7005-72-3	4-Chlorophenyl Phenyl Ether	ND		96.2	68.0	71	96.2	81.4	85	18	62-105/20
218-01-9	Chrysene	ND		96.2	72.0	75	96.2	84.9	88	16	66-111/22
53-70-3	Dibenzo(a,h)anthracene	ND		96.2	69.2	72	96.2	82.5	86	18	66-119/24
132-64-9	Dibenzofuran	ND		96.2	68.2	71	96.2	81.2	84	17	61-106/21

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 2 of 3

Job Number: FA74304

Account: UTC United Technologies Corporation

Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP79883-MS	9I008443.D	1	04/23/20	NJ	04/22/20	OP79883	S9I316
OP79883-MSD	9I008444.D	1	04/23/20	NJ	04/22/20	OP79883	S9I316
FA74304-1	9I008442.D	1	04/23/20	NJ	04/22/20	OP79883	S9I316

The QC reported here applies to the following samples:

Method: SW846 8270E

FA74304-1

CAS No.	Compound	FA74304-1 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	59.8	62	96.2	70.6	73	17	48-97/24
541-73-1	1,3-Dichlorobenzene	ND		96.2	59.4	62	96.2	70.3	73	17	45-95/25
106-46-7	1,4-Dichlorobenzene	ND		96.2	59.0	61	96.2	69.2	72	16	45-98/25
91-94-1	3,3' -Dichlorobenzidine	ND		96.2	67.6	70	96.2	84.5	88	22	46-117/29
84-66-2	Diethyl Phthalate	ND		96.2	70.6	73	96.2	85.7	89	19	64-108/21
131-11-3	Dimethyl Phthalate	ND		96.2	68.8	72	96.2	83.9	87	20	63-106/22
84-74-2	Di-n-butyl Phthalate	ND		96.2	75.3	78	96.2	89.1	93	17	65-107/21
117-84-0	Di-n-octyl Phthalate	ND		96.2	75.4	78	96.2	92.7	96	21	62-118/24
121-14-2	2,4-Dinitrotoluene	ND		96.2	70.4	73	96.2	85.3	89	19	61-110/21
606-20-2	2,6-Dinitrotoluene	ND		96.2	66.7	69	96.2	81.4	85	20	63-108/21
117-81-7	bis(2-Ethylhexyl)phthalate	ND		96.2	74.0	77	96.2	89.9	93	19	61-117/23
206-44-0	Fluoranthene	ND		96.2	70.9	74	96.2	84.5	88	18	63-106/21
86-73-7	Fluorene	ND		96.2	68.6	71	96.2	82.4	86	18	62-108/20
118-74-1	Hexachlorobenzene	ND		96.2	70.2	73	96.2	83.3	87	17	63-108/22
87-68-3	Hexachlorobutadiene	ND		96.2	61.4	64	96.2	73.6	77	18	42-102/28
77-47-4	Hexachlorocyclopentadiene	ND		96.2	43.0	45	96.2	53.2	55	21	39-102/29
67-72-1	Hexachloroethane	ND		96.2	58.9	61	96.2	71.1	74	19	42-100/29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		96.2	67.3	70	96.2	82.1	85	20	64-119/24
78-59-1	Isophorone	ND		96.2	61.0	63	96.2	74.4	77	20	43-87/25
91-57-6	2-Methylnaphthalene	ND		96.2	62.8	65	96.2	73.1	76	15	51-102/26
91-20-3	Naphthalene	ND		96.2	61.3	64	96.2	73.1	76	18	47-100/29
88-74-4	2-Nitroaniline	ND		96.2	86.9	90	96.2	107	111	21	54-128/24
99-09-2	3-Nitroaniline	ND		96.2	64.4	67	96.2	79.3	82	21	56-106/27
100-01-6	4-Nitroaniline	ND		96.2	59.1	61	96.2	72.7	76	21	55-120/24
98-95-3	Nitrobenzene	ND		96.2	62.2	65	96.2	75.8	79	20	50-104/28
621-64-7	N-Nitrosodi-n-propylamine	ND		96.2	60.8	63	96.2	72.7	76	18	52-104/25
86-30-6	N-Nitrosodiphenylamine	ND		96.2	69.2	72	96.2	82.7	86	18	64-108/23
85-01-8	Phenanthrene	ND		96.2	68.6	71	96.2	82.1	85	18	66-110/21
129-00-0	Pyrene	ND		96.2	72.2	75	96.2	86.1	90	18	64-113/23
120-82-1	1,2,4-Trichlorobenzene	ND		96.2	61.1	64	96.2	73.9	77	19	45-97/28

CAS No.	Surrogate Recoveries	MS	MSD	FA74304-1	Limits
367-12-4	2-Fluorophenol	33%	42%	17%	14-67%
4165-62-2	Phenol-d5	27%	33%	10%	10-50%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA74304
Account: UTC United Technologies Corporation
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP79883-MS	9I008443.D	1	04/23/20	NJ	04/22/20	OP79883	S9I316
OP79883-MSD	9I008444.D	1	04/23/20	NJ	04/22/20	OP79883	S9I316
FA74304-1	9I008442.D	1	04/23/20	NJ	04/22/20	OP79883	S9I316

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

FA74304-1

CAS No.	Surrogate Recoveries	MS	MSD	FA74304-1	Limits
118-79-6	2,4,6-Tribromophenol	68%	80%	54%	33-118%
4165-60-0	Nitrobenzene-d5	62%	76%	53%	42-108%
321-60-8	2-Fluorobiphenyl	65%	78%	54%	40-106%
1718-51-0	Terphenyl-d14	65%	79%	63%	39-121%

* = Outside of Control Limits.

Metals Analysis

QC Data Summaries

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: FA74304
Account: UTC - United Technologies Corporation
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

QC Batch ID: MP37118
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 04/20/20

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	14	14		
Antimony	6.0	1	1	-0.20	<6.0
Arsenic	10	1.3	1.3	-1.6	<10
Barium	200	1	1		
Beryllium	4.0	.2	.2	0.040	<4.0
Cadmium	5.0	.2	.2	0.0	<5.0
Calcium	1000	50	50		
Chromium	10	1	1	0.40	<10
Cobalt	50	.2	.2		
Copper	25	1	1	1.0	<25
Iron	300	17	17		
Lead	5.0	1	1.1	-0.70	<5.0
Magnesium	5000	35	35		
Manganese	15	.5	1		
Molybdenum	50	.3	.3		
Nickel	40	.4	.4	0.10	<40
Potassium	10000	200	200		
Selenium	10	2.4	2.9	1.4	<10
Silver	10	.7	.7	0.10	<10
Sodium	10000	500	500		
Strontium	10	.5	.5		
Thallium	10	1.1	1.4	0.10	<10
Tin	50	.9	1		
Titanium	10	.5	1		
Vanadium	50	.5	.6		
Zinc	20	3	4.4	1.4	<20

Associated samples MP37118: FA74304-1

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: FA74304
 Account: UTC - United Technologies Corporation
 Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

QC Batch ID: MP37118
 Matrix Type: AQUEOUS

Methods: SW846 6010D
 Units: ug/l

Prep Date:

04/20/20

04/20/20

Metal	FA74340-1 Original	DUP	RPD	QC Limits	FA74340-1 Original MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum								
Antimony	1.5	2.0	28.6 (a)	0-20	1.5	369	500	73.5N(b) 80-120
Arsenic	64.4	63.2	1.9	0-20	64.4	1600	2000	76.8N(b) 80-120
Barium								
Beryllium	0.68	0.59	14.2	0-20	0.68	40.0	50	78.6N(b) 80-120
Cadmium	7.6	7.4	2.7	0-20	7.6	46.6	50	78.0N(b) 80-120
Calcium								
Chromium	105	109	3.7	0-20	105	270	200	82.5 80-120
Cobalt								
Copper	79.2	78.2	1.3	0-20	79.2	273	250	77.5N(b) 80-120
Iron	anr							
Lead	9.8	9.0	8.5	0-20	9.8	488	500	95.6 80-120
Magnesium								
Manganese	anr							
Molybdenum								
Nickel	64.6	65.1	0.8	0-20	64.6	450	500	77.1N(b) 80-120
Potassium								
Selenium	4.4	5.9	29.1 (a)	0-20	4.4	1600	2000	79.8N(b) 80-120
Silver	0.0	0.0	NC	0-20	0.0	40.0	50	80.0 80-120
Sodium								
Strontium								
Thallium	0.0	0.0	NC	0-20	0.0	1850	2000	92.5 80-120
Tin								
Titanium								
Vanadium								
Zinc	233	231	0.9	0-20	233	608	500	75.0N(b) 80-120

Associated samples MP37118: FA74304-1

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) RPD acceptable due to low duplicate and sample concentrations.

(b) Spike recovery indicates possible matrix interference.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA74304
 Account: UTC - United Technologies Corporation
 Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

QC Batch ID: MP37118
 Matrix Type: AQUEOUS

Methods: SW846 6010D
 Units: ug/l

Prep Date: 04/20/20

Metal	FA74304-1 Original	MSD	SpikeLot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	1.5	364	500	72.5N(a)	1.4	20
Arsenic	64.4	1590	2000	76.3N(a)	0.6	20
Barium						
Beryllium	0.68	39.4	50	77.4N(a)	1.5	20
Cadmium	7.6	45.9	50	76.6N(a)	1.5	20
Calcium						
Chromium	105	263	200	79.0N(a)	2.6	20
Cobalt						
Copper	79.2	272	250	77.1N(a)	0.4	20
Iron	anr					
Lead	9.8	484	500	94.8	0.8	20
Magnesium						
Manganese	anr					
Molybdenum						
Nickel	64.6	444	500	75.9N(a)	1.3	20
Potassium						
Selenium	4.4	1580	2000	78.8N(a)	1.3	20
Silver	0.0	39.0	50	78.0N(a)	2.5	20
Sodium						
Strontium						
Thallium	0.0	1830	2000	91.5	1.1	20
Tin						
Titanium						
Vanadium						
Zinc	233	604	500	74.2N(a)	0.7	20

Associated samples MP37118: FA74304-1

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) Spike recovery indicates possible matrix interference.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA74304
 Account: UTC - United Technologies Corporation
 Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

QC Batch ID: MP37118
 Matrix Type: AQUEOUS

Methods: SW846 6010D
 Units: ug/l

Prep Date: 04/20/20

Metal	BSP Result	SpikeLot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony	491	500	98.2	80-120
Arsenic	1850	2000	92.5	80-120
Barium				
Beryllium	50.5	50	101.0	80-120
Cadmium	51.1	50	102.2	80-120
Calcium				
Chromium	206	200	103.0	80-120
Cobalt				
Copper	242	250	96.8	80-120
Iron	anr			
Lead	464	500	92.8	80-120
Magnesium				
Manganese	anr			
Molybdenum				
Nickel	492	500	98.4	80-120
Potassium				
Selenium	1940	2000	97.0	80-120
Silver	47.6	50	95.2	80-120
Sodium				
Strontium				
Thallium	1840	2000	92.0	80-120
Tin				
Titanium				
Vanadium				
Zinc	490	500	98.0	80-120

Associated samples MP37118: FA74304-1

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

7.1.3
7

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA74304
 Account: UTC - United Technologies Corporation
 Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

QC Batch ID: MP37118
 Matrix Type: AQUEOUS

Methods: SW846 6010D
 Units: ug/l

Prep Date: 04/20/20

Metal	FA74304-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	1.50	0.00	100.0(a)	0-10
Arsenic	64.4	66.7	3.6	0-10
Barium				
Beryllium	0.680	1.01	48.5 (a)	0-10
Cadmium	7.62	8.88	16.5 (a)	0-10
Calcium				
Chromium	105	122	16.3*(b)	0-10
Cobalt				
Copper	79.2	92.2	16.4*(b)	0-10
Iron	anr			
Lead	9.80	0.00	100.0(a)	0-10
Magnesium				
Manganese	anr			
Molybdenum				
Nickel	64.6	76.7	18.7*(b)	0-10
Potassium				
Selenium	4.40	0.00	100.0(a)	0-10
Silver	0.00	0.00	NC	0-10
Sodium				
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium				
Zinc	233	272	16.9*(b)	0-10

Associated samples MP37118: FA74304-1

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).

(b) Serial dilution indicates possible matrix interference.

POST DIGESTATE SPIKE SUMMARY

Login Number: FA74304
 Account: UTC - United Technologies Corporation
 Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

QC Batch ID: MP37118
 Matrix Type: AQUEOUS

Methods: SW846 6010D
 Units: ug/l

Prep Date:

04/20/20

Metal	Sample ml	Final ml	FA74304-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony	9.8	10	1.5	1.47	80.5	0.2	5	100	79.0*(a)	80-120
Arsenic	9.8	10	64.4	63.112	142.4	0.2	5	100	79.3*(a)	80-120
Barium										
Beryllium	9.8	10	.68	.6664	38.49	0.2	2.5	50	75.6*(a)	80-120
Cadmium	9.8	10	7.62	7.4676	45.49	0.2	2.5	50	76.0*(a)	80-120
Calcium										
Chromium	9.8	10	104.6	102.508	140.9	0.2	2.5	50	76.8*(a)	80-120
Cobalt										
Copper	9.8	10	79.2	77.616	152.3	0.2	5	100	74.7*(a)	80-120
Iron										
Lead	9.8	10	9.8	9.604	54.1	0.2	2.5	50	89.0	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel	9.8	10	64.6	63.308	137.9	0.2	5	100	74.6*(a)	80-120
Potassium										
Selenium	9.8	10	4.4	4.312	77.1	0.2	5	100	72.8*(a)	80-120
Silver	9.8	10			38.7	0.2	2.5	50	77.4*(a)	80-120
Sodium										
Strontium										
Thallium	9.8	10			86.7	0.2	5	100	86.7	80-120
Tin										
Titanium										
Vanadium										
Zinc	9.8	10	233	228.34	412.5	0.2	12.5	250	73.7*(a)	80-120

Associated samples MP37118: FA74304-1

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: FA74304
Account: UTC - United Technologies Corporation
Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

QC Batch ID: MP37133
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 04/21/20

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.50	.03	.03	-0.054	<0.50

Associated samples MP37133: FA74304-1

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: FA74304
 Account: UTC - United Technologies Corporation
 Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

QC Batch ID: MP37133
 Matrix Type: AQUEOUS

Methods: SW846 7470A
 Units: ug/l

Prep Date: 04/21/20 04/21/20

Metal	FA74275-3 Original DUP		RPD	QC Limits	FA74275-3 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 MP37133: FA74304-1

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: FA74304
 Account: UTC - United Technologies Corporation
 Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

QC Batch ID: MP37133
 Matrix Type: AQUEOUS

Methods: SW846 7470A
 Units: ug/l

Prep Date: 04/21/20

Metal	FA74275-3 Original MSD	SpikeLot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	3.0	3	100.0	0.0
					20

Associated samples MP37133: FA74304-1

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: FA74304
 Account: UTC - United Technologies Corporation
 Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

QC Batch ID: MP37133
 Matrix Type: AQUEOUS

Methods: SW846 7470A
 Units: ug/l

Prep Date: 04/21/20

Metal	BSP Result	SpikeLot HGFLWS1	% Rec	QC Limits
Mercury	3.1	3	103.3	80-120

Associated samples MP37133: FA74304-1

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA74304
 Account: UTC - United Technologies Corporation
 Project: AECOMSCG: Delavan Spray Technologies; Bamberg, SC

QC Batch ID: MP37133
 Matrix Type: AQUEOUS

Methods: SW846 7470A
 Units: ug/l

Prep Date: 04/21/20

Metal	FA74275-3			QC Limits
	Original	SDL 1:5	%DIF	
Mercury	0.00	0.00	NC	0-10

Associated samples MP37133: FA74304-1

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

7.2.4

7

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 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 (SW-846), Update IV* (USEPA, February 2007) 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 FA74279 were collected on April 14-15, 2020 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 8260B

Results of tetrachloroethene and trichloroethene in sample MW-9 were qualified “/M/m” due to recovery in the associated matrix spike sample below the established criteria of 15-160% (-152 and 35%, respectively). These qualifiers indicate the results should be considered biased low.

Data Summary and Usability

The QC excursions encountered during the validation of this data set 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.

References

United States Environmental Protection Agency (USEPA), February 2007. *Test Methods for Evaluating Solid Waste (SW-846), Update IV*.

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-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

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-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-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

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-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-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-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

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-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-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
MWT-1/MW-9	12/31/2003	µg/L	<800	<800	<800	NA	NA	NA	NA	<800	NA	<800	7500	<800	<800	<800	<800	<2,000
MWT-1/MW-9	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
MWT-1/MW-9	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
MWT-1/MW-9	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
MWT-1/MW-9	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
MWT-1/MW-9	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
MWT-1/MW-9	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
MWT-1/MW-9	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
MWT-1/MW-9	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
MWT-1/MW-9	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
MWT-1/MW-9	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
MWT-1/MW-9	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
MWT-1/MW-9	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
MWT-1/MW-9	5/24/2011	µg/L	<10	<10	<10	NA	NA	NA	NA	160	NA	<10	1200	<10	<10	380	<20	<100
MWT-1/MW-9	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
MWT-1/MW-9	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

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-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-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	<2	<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
MWT-2/MW-10	12/31/2003	µg/L	<200	<200	520	NA	NA	NA	NA	<200	NA	<200	5800	<200	<200	<200	<200	<400
MWT-2/MW-10	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
MWT-2/MW-10	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
MWT-2/MW-10	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
MWT-2/MW-10	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
MWT-2/MW-10	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
MWT-2/MW-10	6/26/2006	µg/L	<20	<20	<20	NA	NA	NA	NA	21	NA	<20	1800	NA	<20	31	<20	NA
MWT-2/MW-10	10/21/2006	µg/L	<100	<100	<100	NA	NA	NA	NA	121	NA	<100	3380	NA	<100	<100	114	NA
MWT-2/MW-10	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
MWT-2/MW-10	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
MWT-2/MW-10	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
MWT-2/MW-10	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
MWT-2/MW-10	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
MWT-2/MW-10	5/24/2011	µg/L	<20	<20	<20	NA	NA	NA	NA	390	NA	<20	2000	<20	<20	88	<40.0	<200
MWT-2/MW-10	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
MWT-2/MW-10	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

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
MWT-3/MW-11	12/31/2003	µg/L	<2	<2	<2	NA	NA	NA	NA	<2	NA	<2	<2	<2	<2	<2	<2	<4
MWT-3/MW-11	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
MWT-3/MW-11	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
MWT-3/MW-11	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
MWT-3/MW-11	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
MWT-3/MW-11	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
MWT-3/MW-11	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
MWT-3/MW-11	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
MWT-3/MW-11	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-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

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-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

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-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-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-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	<														

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-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-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-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-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-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	<26	<28	<24	<23	39.1	<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

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-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-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	<11	<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-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

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-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-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-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	<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-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-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-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	<			

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-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-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-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-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-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

Appendix C
Historical VOC Data
Delavan Spray Technologies Site
Bamberg, South Carolina

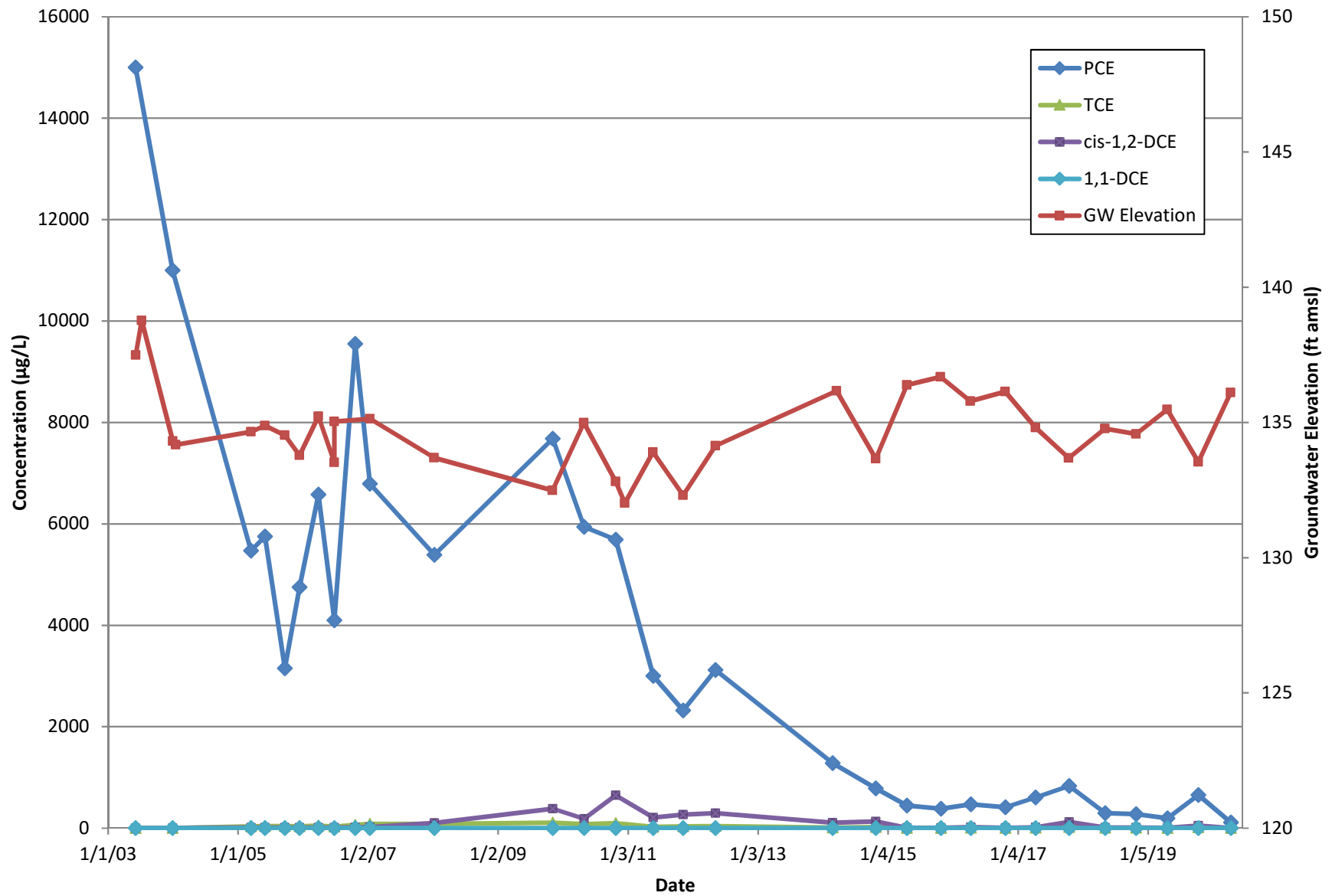
Well No.	Sample Date	Units	1,1,1- Trichloroethane	1,1- Dichloroethane	1,1- Dichloroethylene	1,2- Dichloroethane	Bromodichloro- methane	Carbon disulfide	Chloroform	cis-1,2- Dichloroethylene	Dibromochloro- methane	Methylene Chloride	Tetrachloroethylene	Toluene	trans-1,2- Dichloroethylene	Trichloroethylene	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-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-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-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
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-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-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-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-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

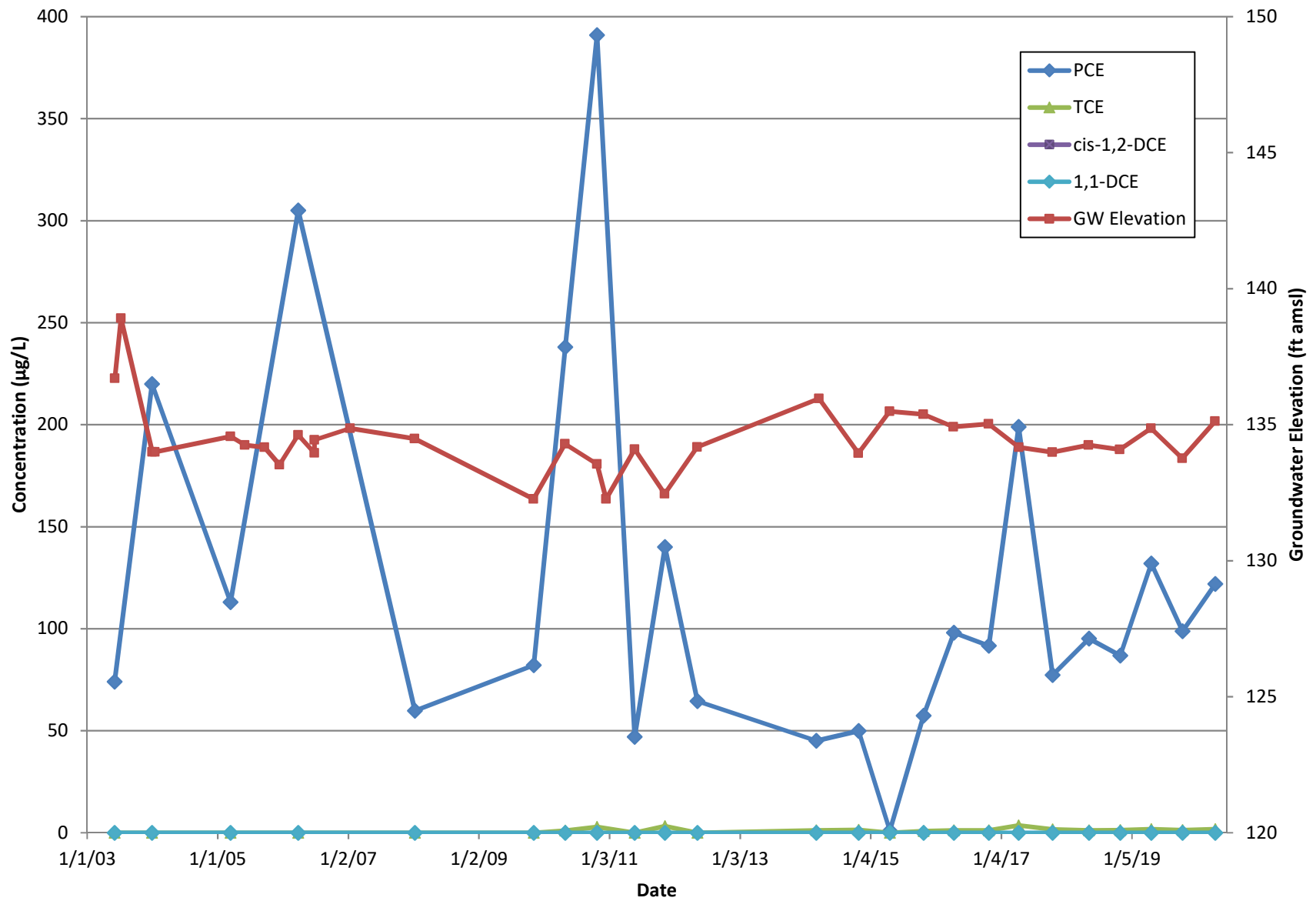
Data Qualifiers:
E - Indicates value exceeds calibration range
J - Estimated concentration above the method detection limit and below the reporting limit.
/J/A - The analyte was positively identified. The quantitation is estimation. Percent difference between the primary and duplicate sample exceeded 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

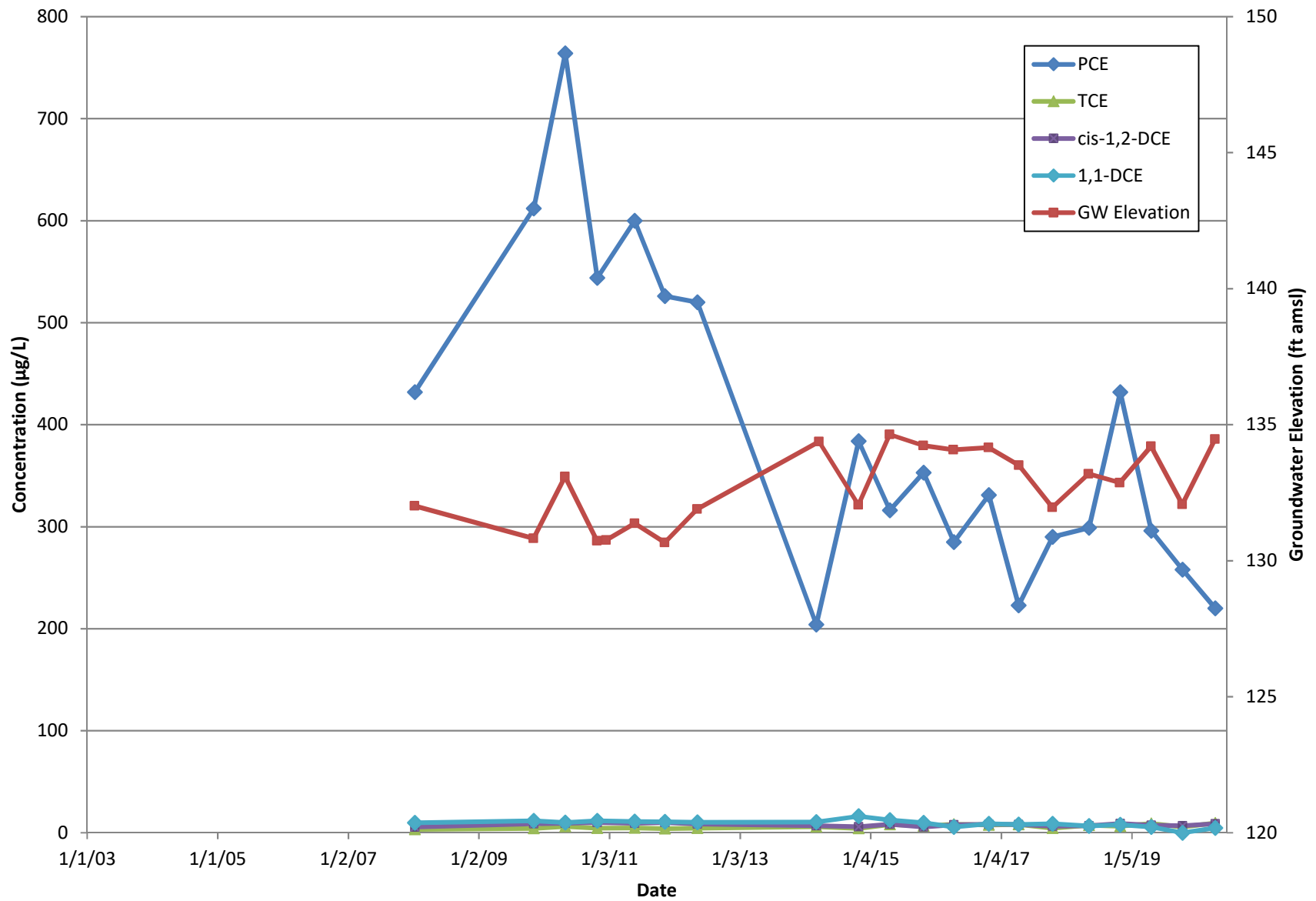
MW-1 Concentrations and Groundwater Elevation with Time



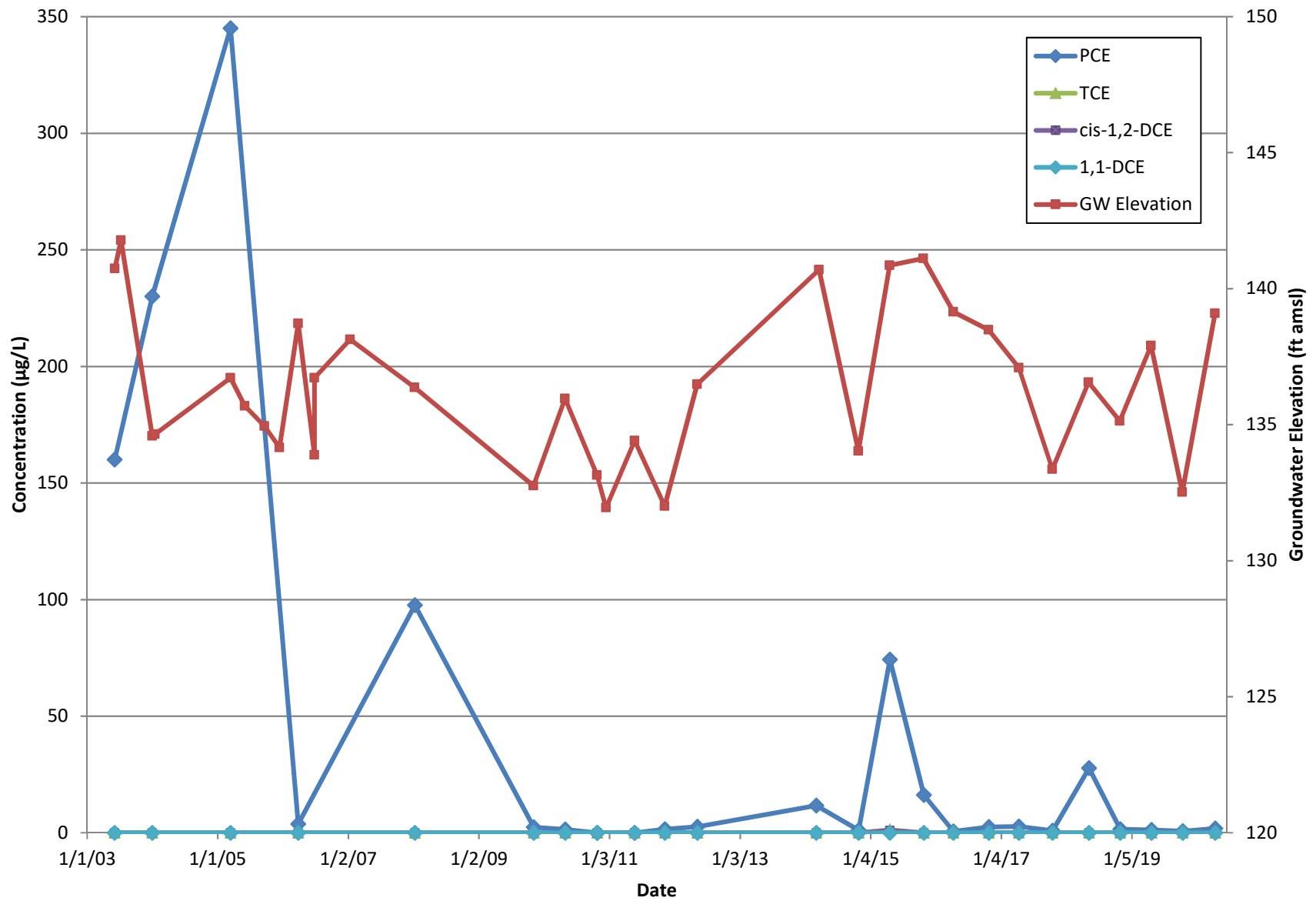
MW-3 Concentrations and Groundwater Elevation with Time



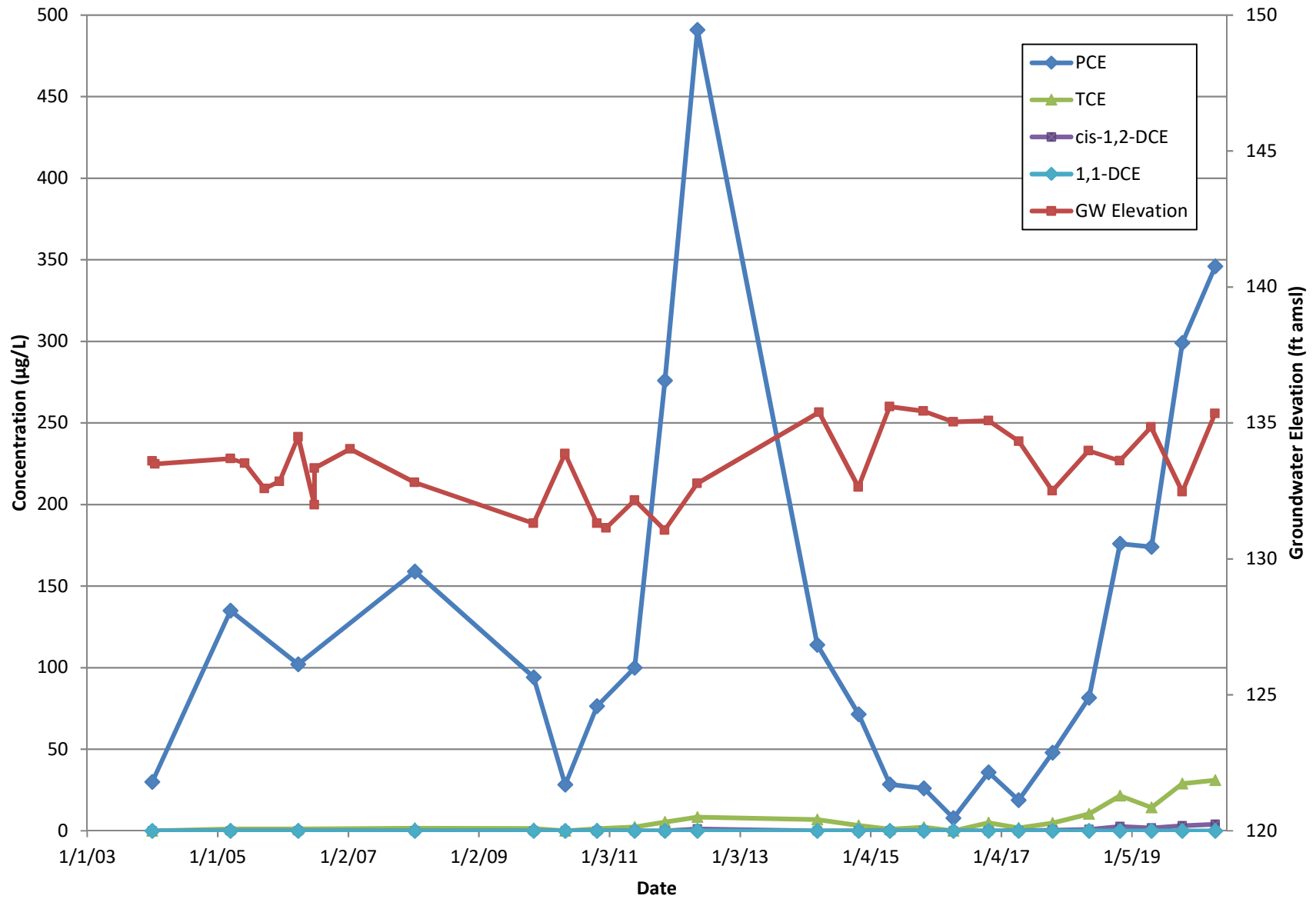
MW-3D Concentrations and Groundwater Elevation with Time



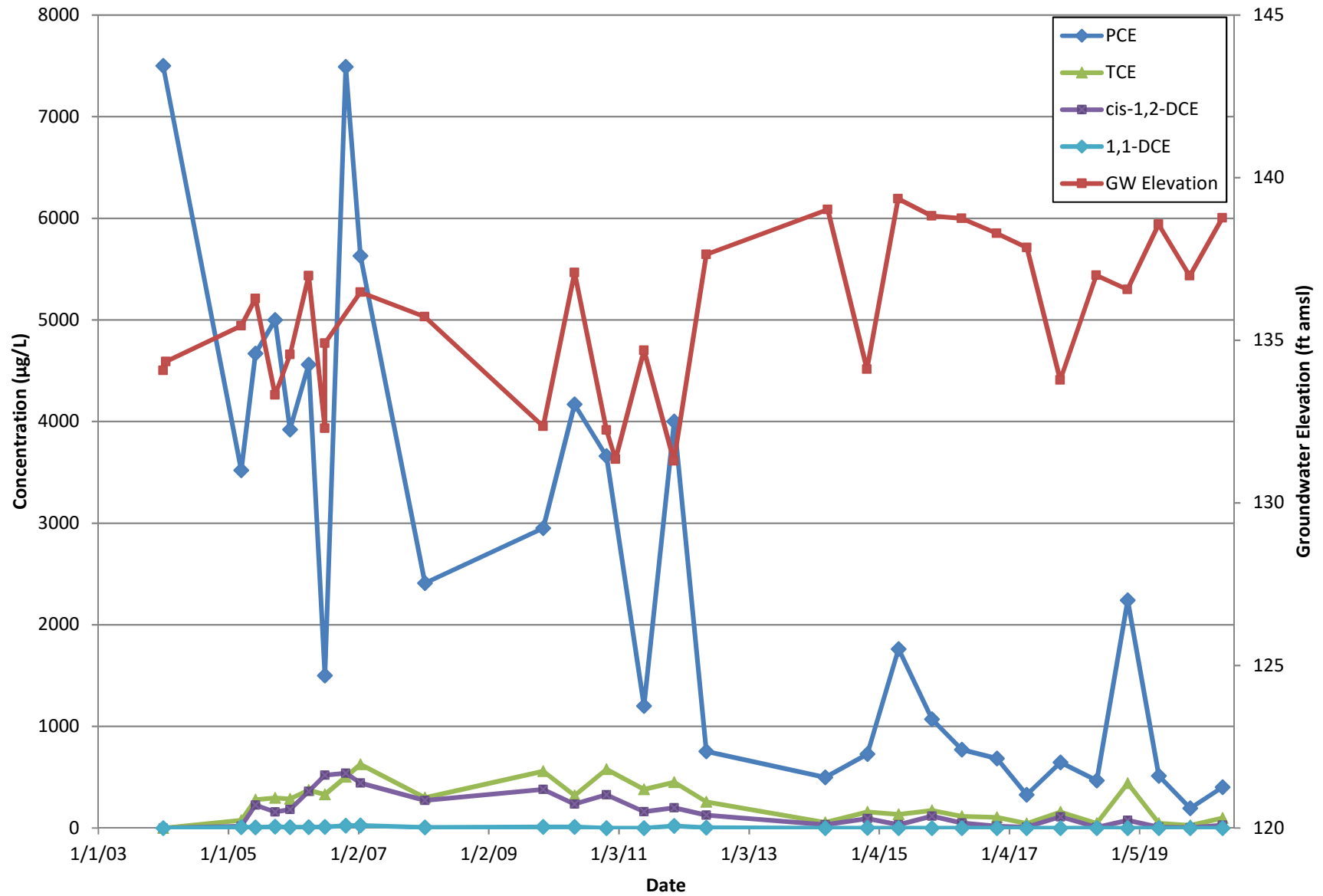
MW-5 Concentrations and Groundwater Elevation with Time



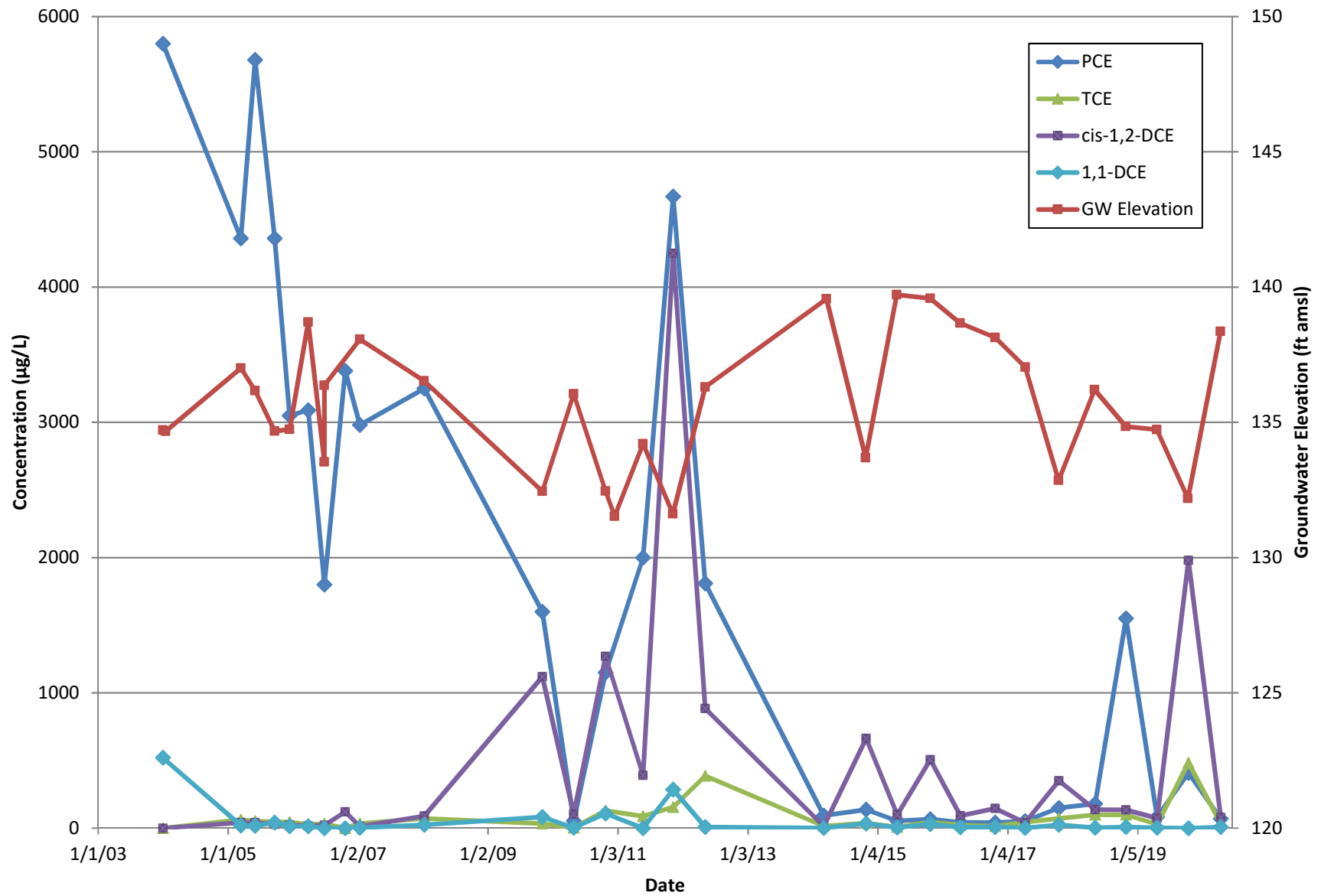
MW-8 Concentrations and Groundwater Elevation with Time



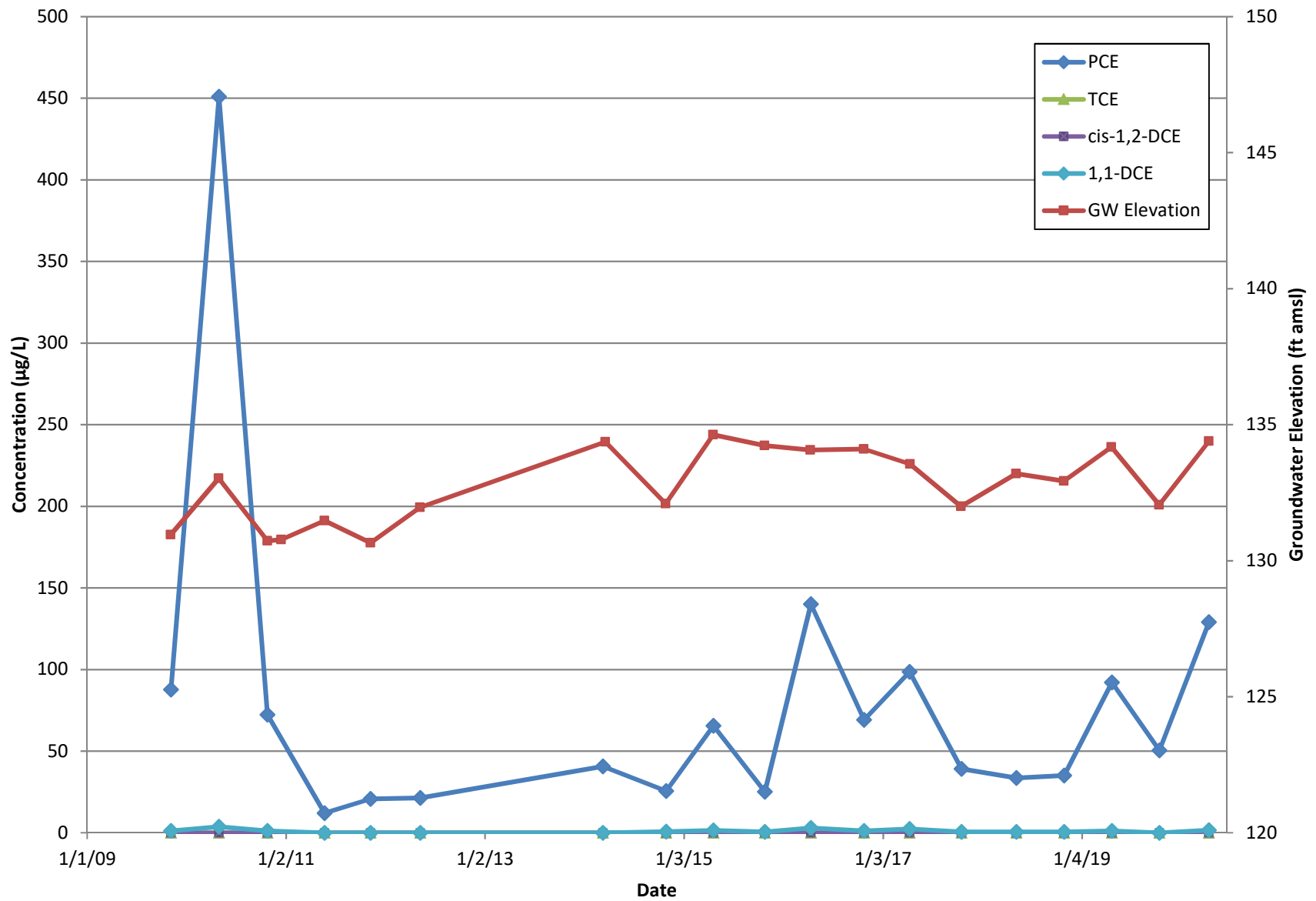
MW-9 Concentrations and Groundwater Elevation with Time



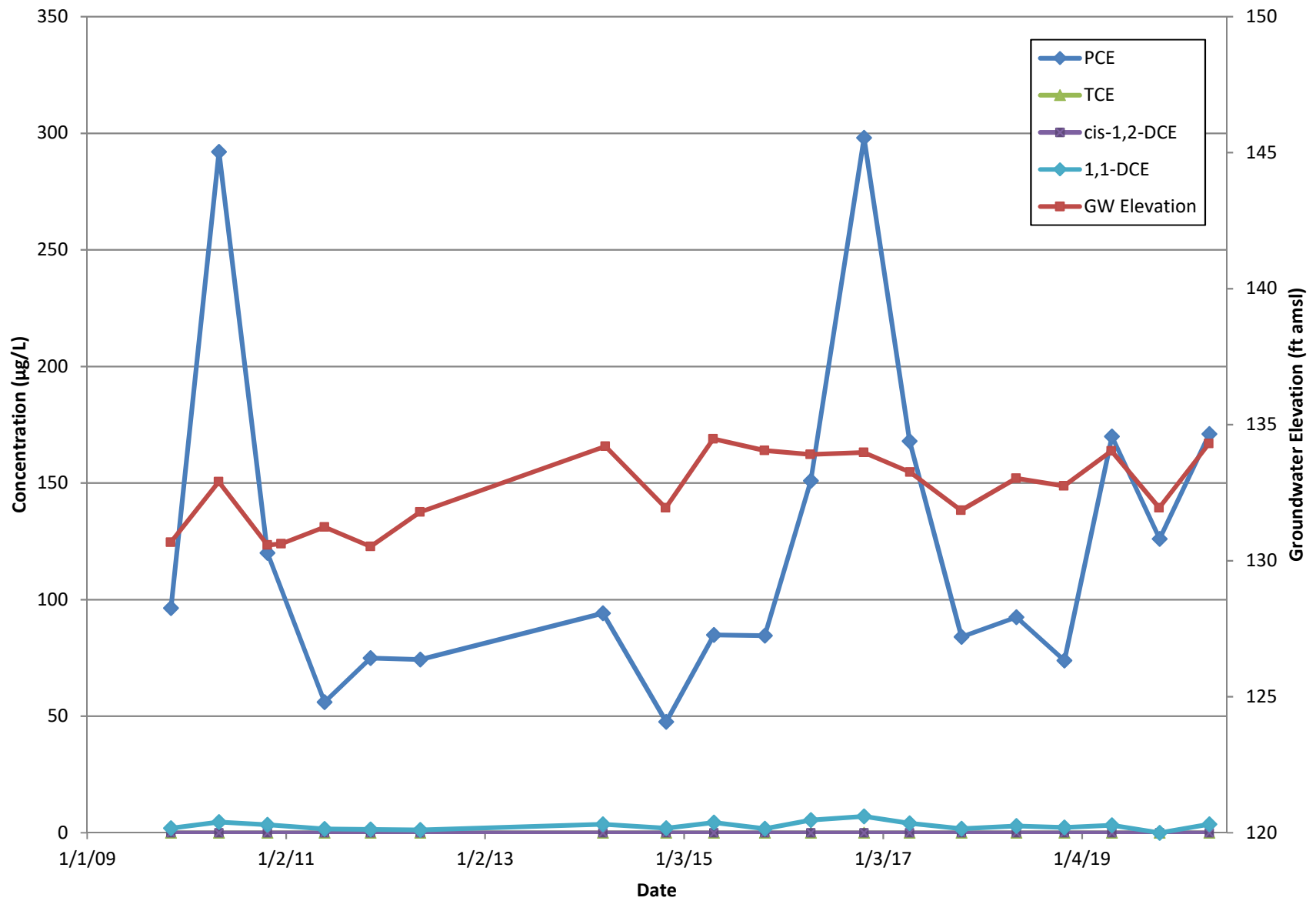
MW-10 Concentrations and Groundwater Elevation with Time



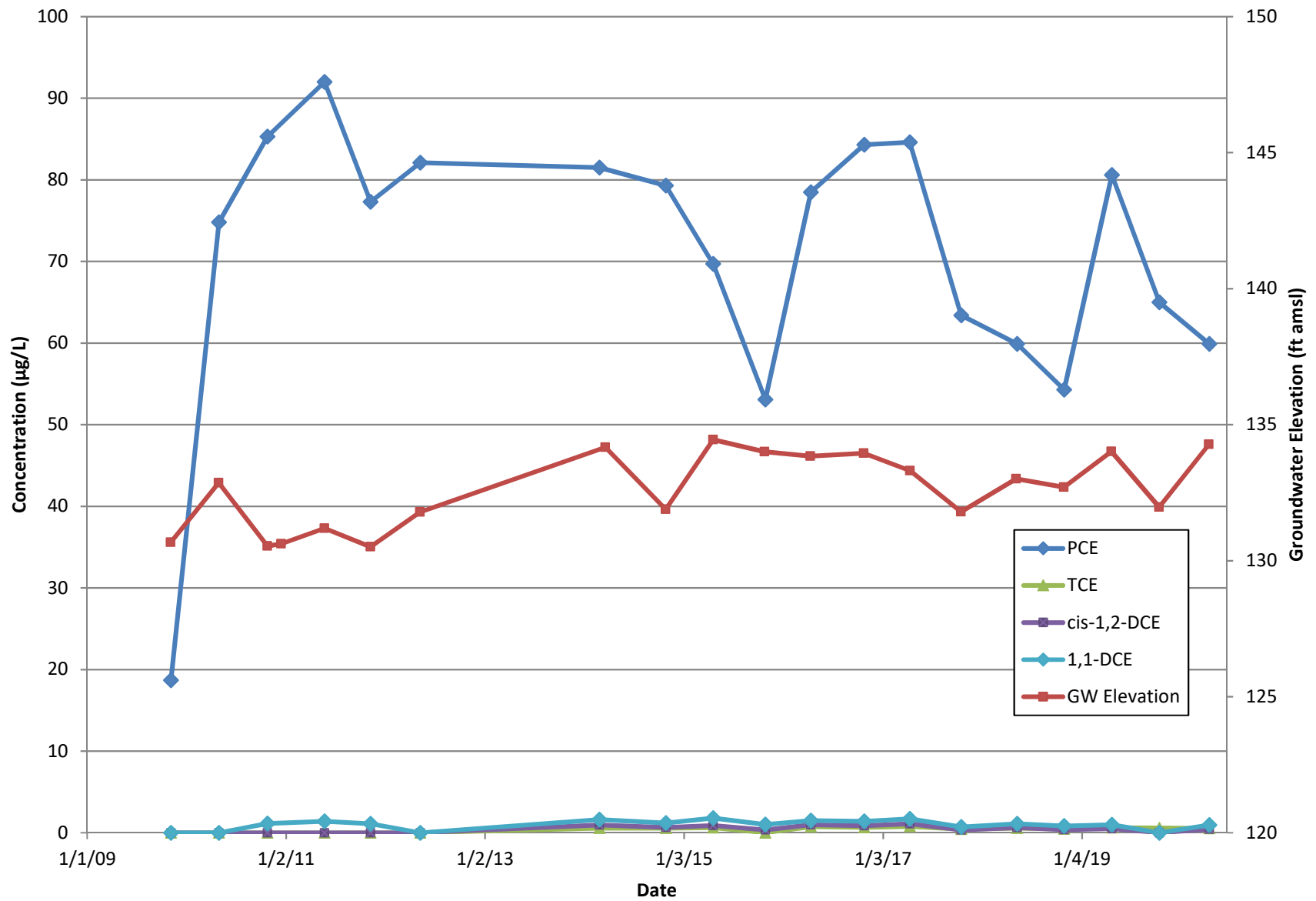
MW-12D Concentrations and Groundwater Elevation with Time



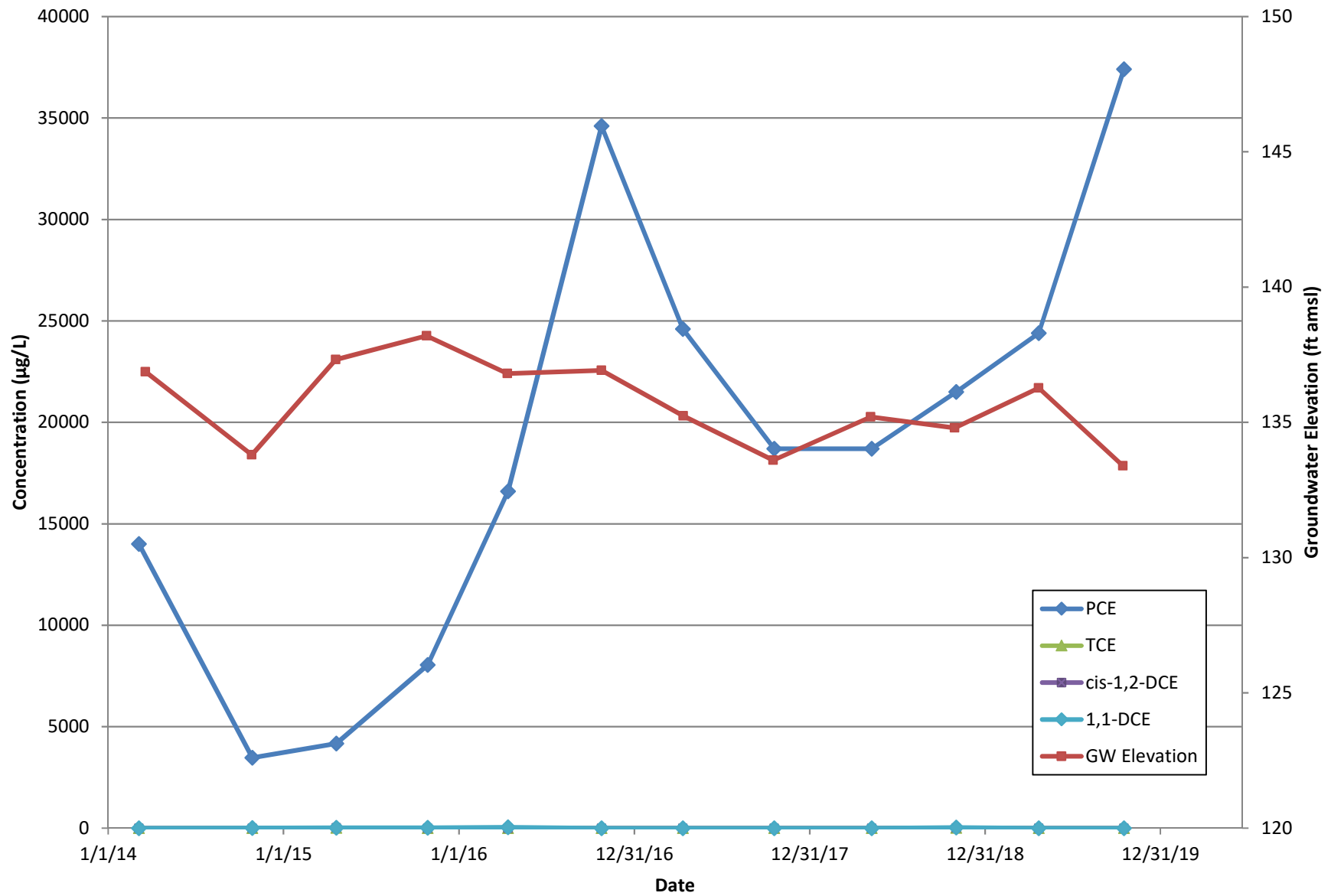
MW-13D Concentrations and Groundwater Elevation with Time



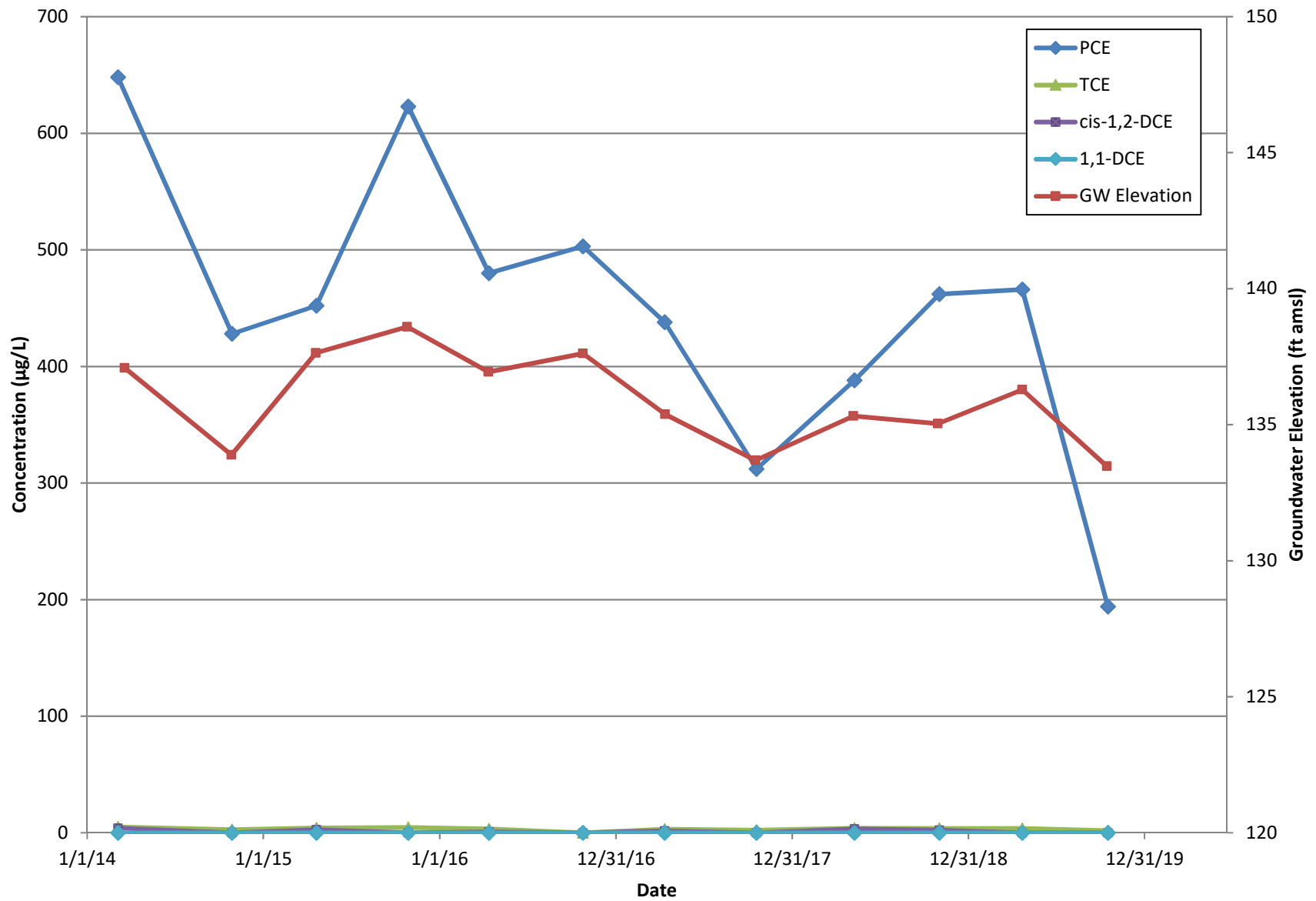
MW-14D Concentrations and Groundwater Elevation with Time



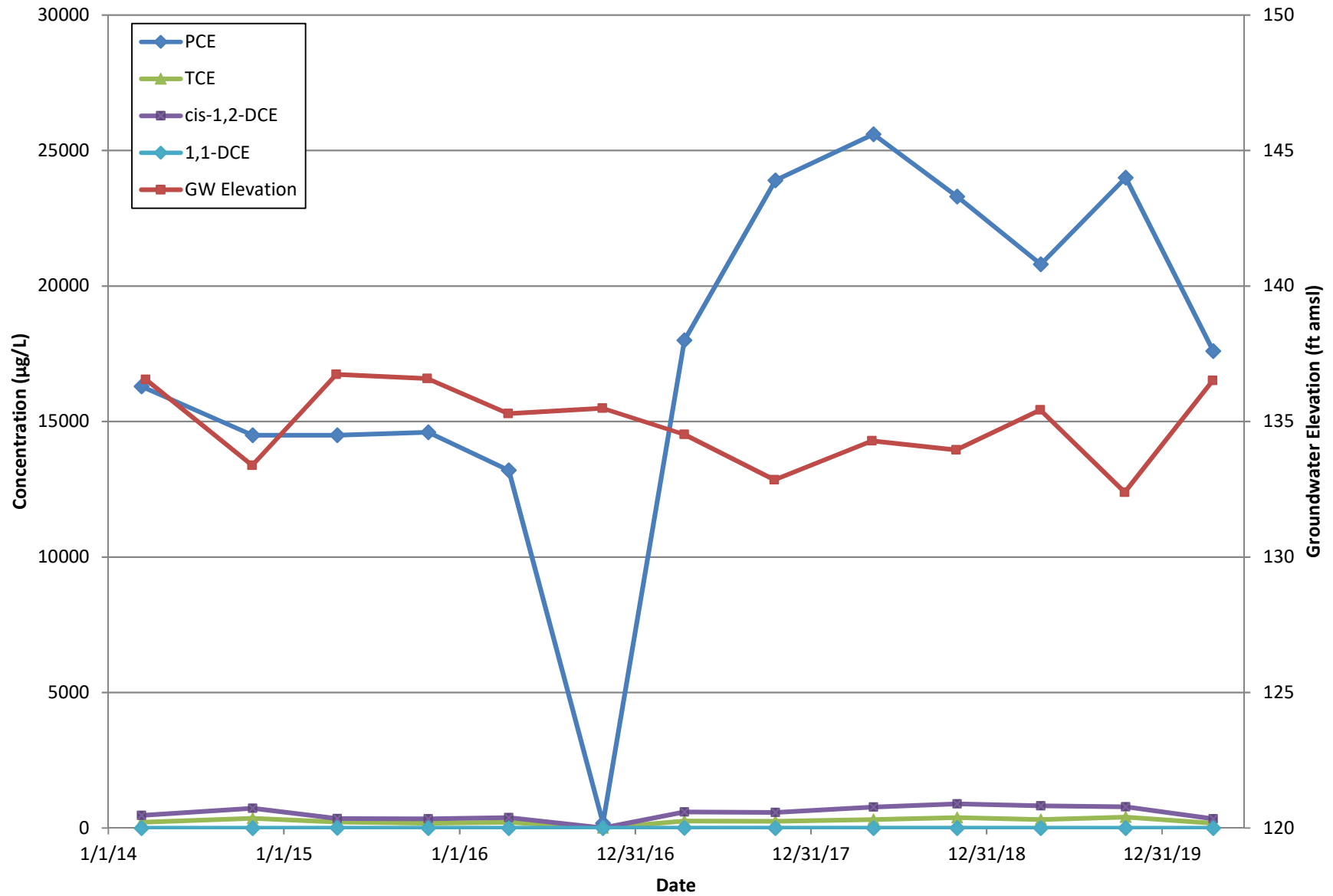
MW-19 Concentrations and Groundwater Elevation with Time



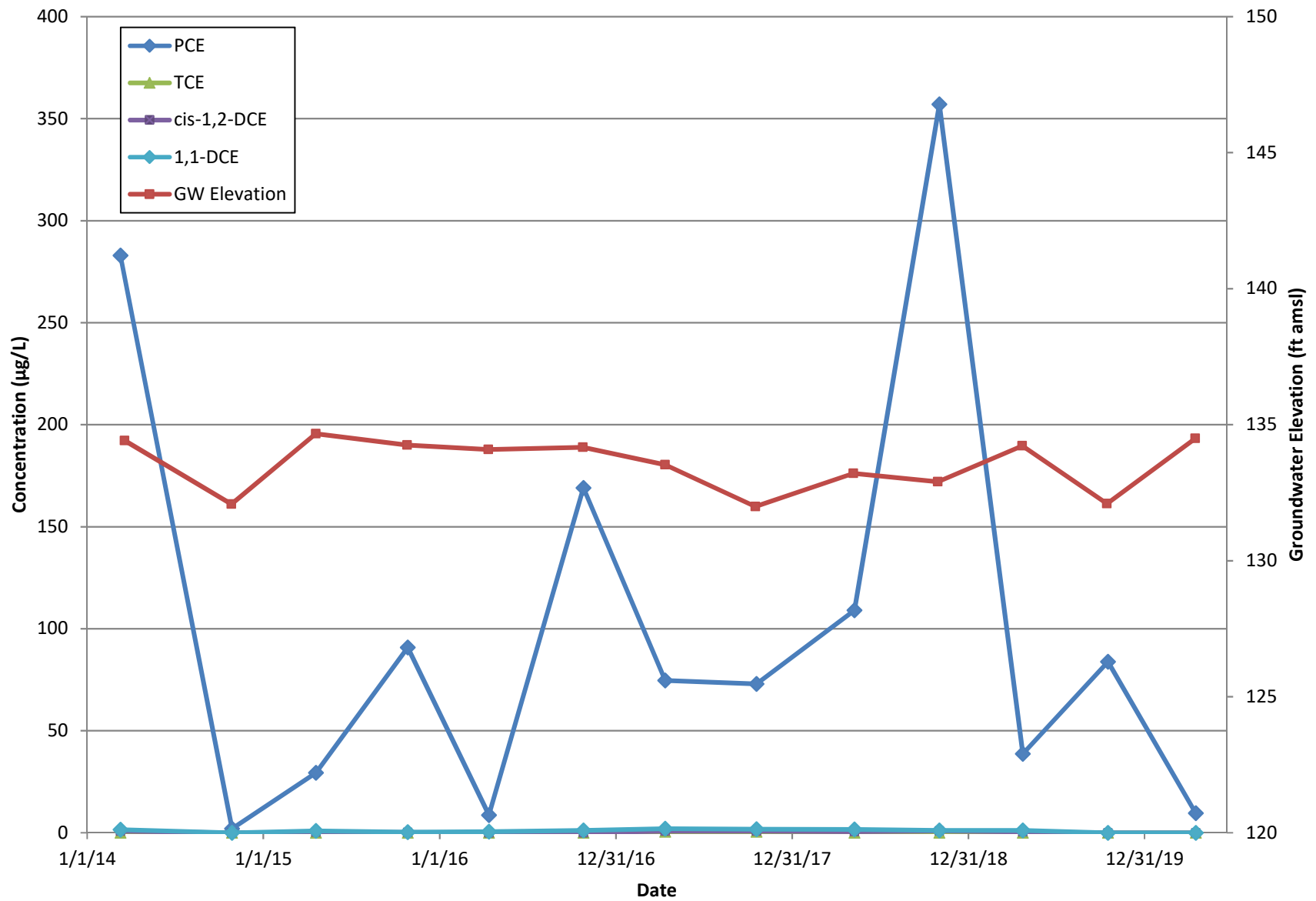
MW-20 Concentrations and Groundwater Elevation with Time



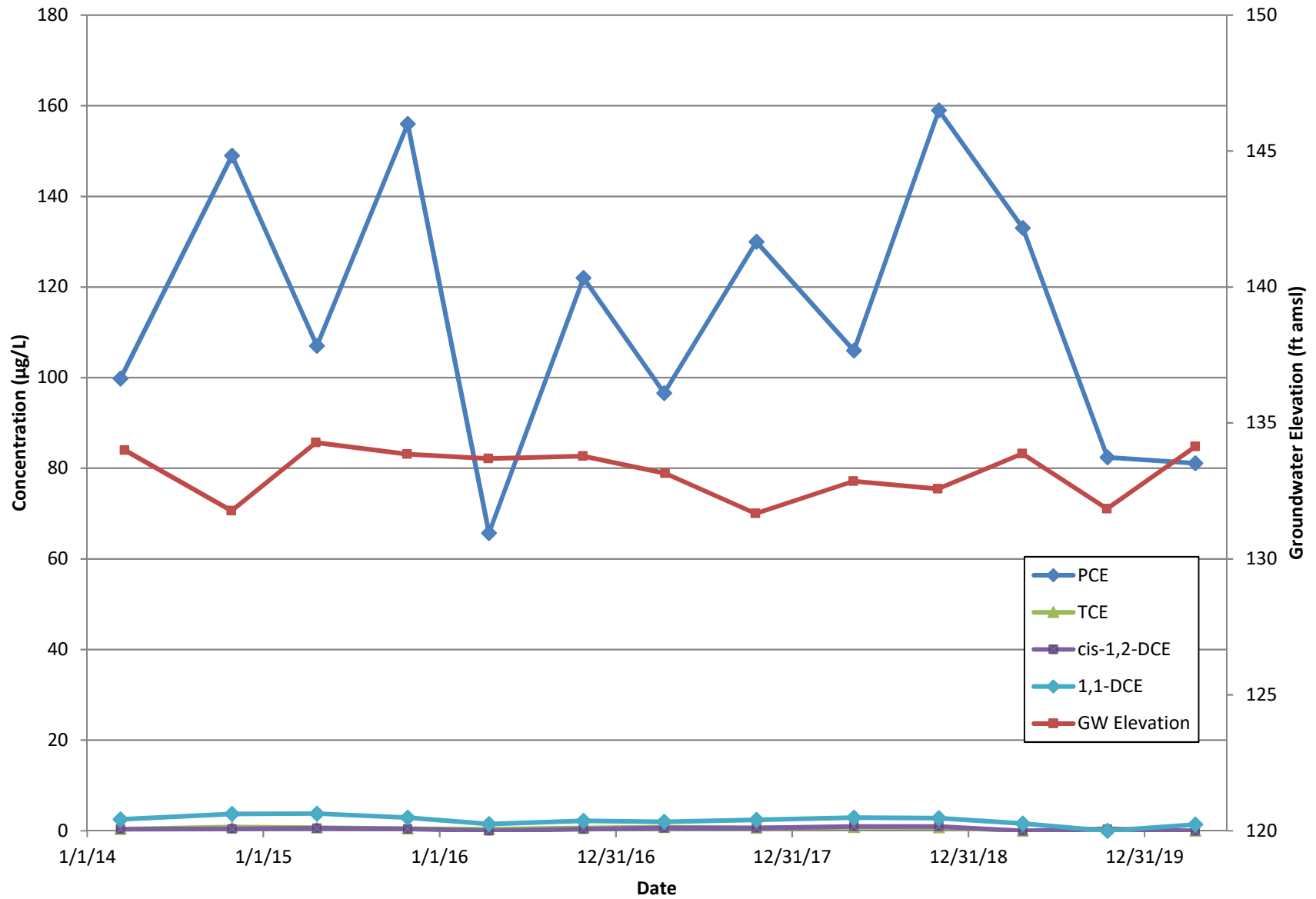
MW-21 Concentrations and Groundwater Elevation with Time



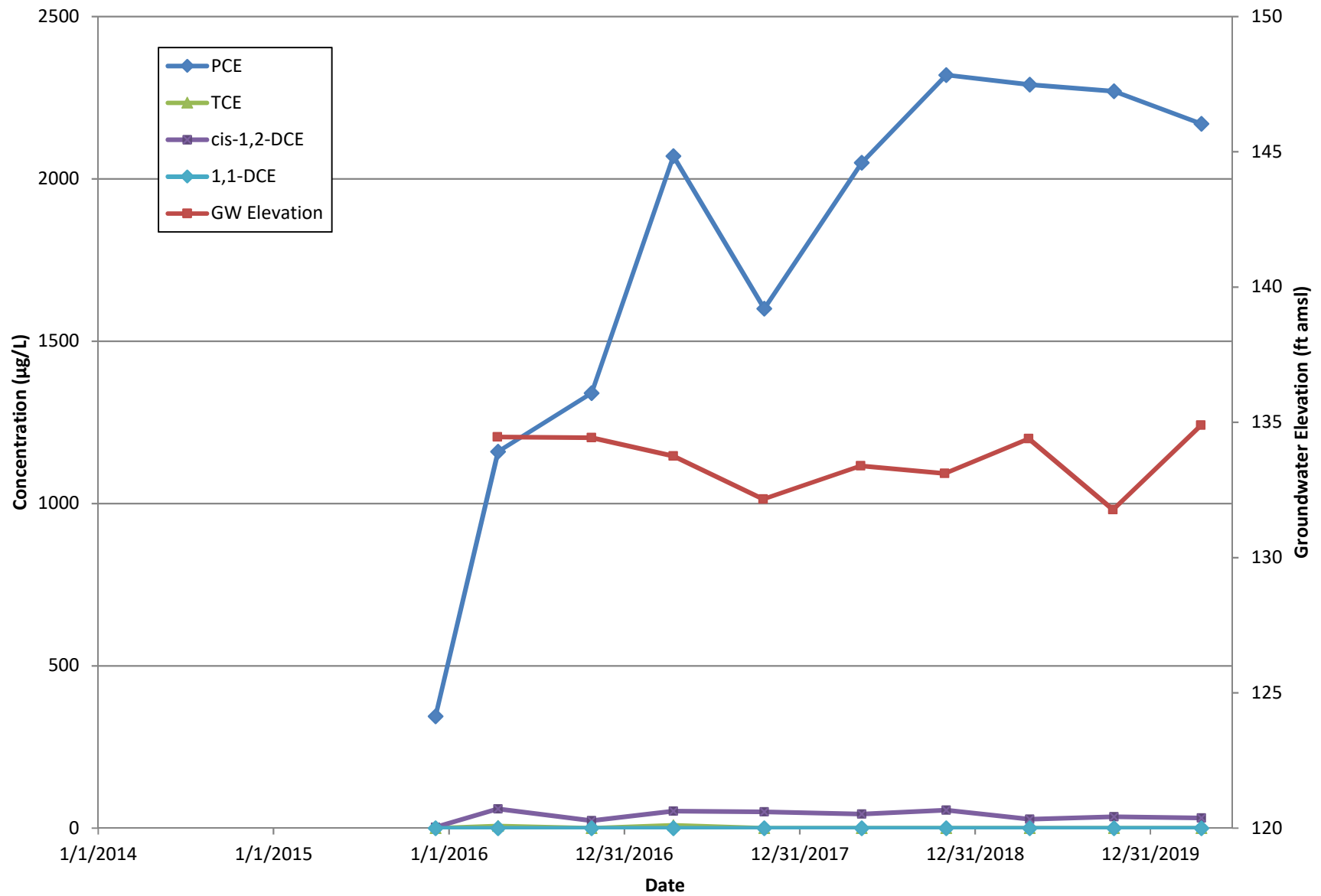
MW-21D Concentrations and Groundwater Elevation with Time



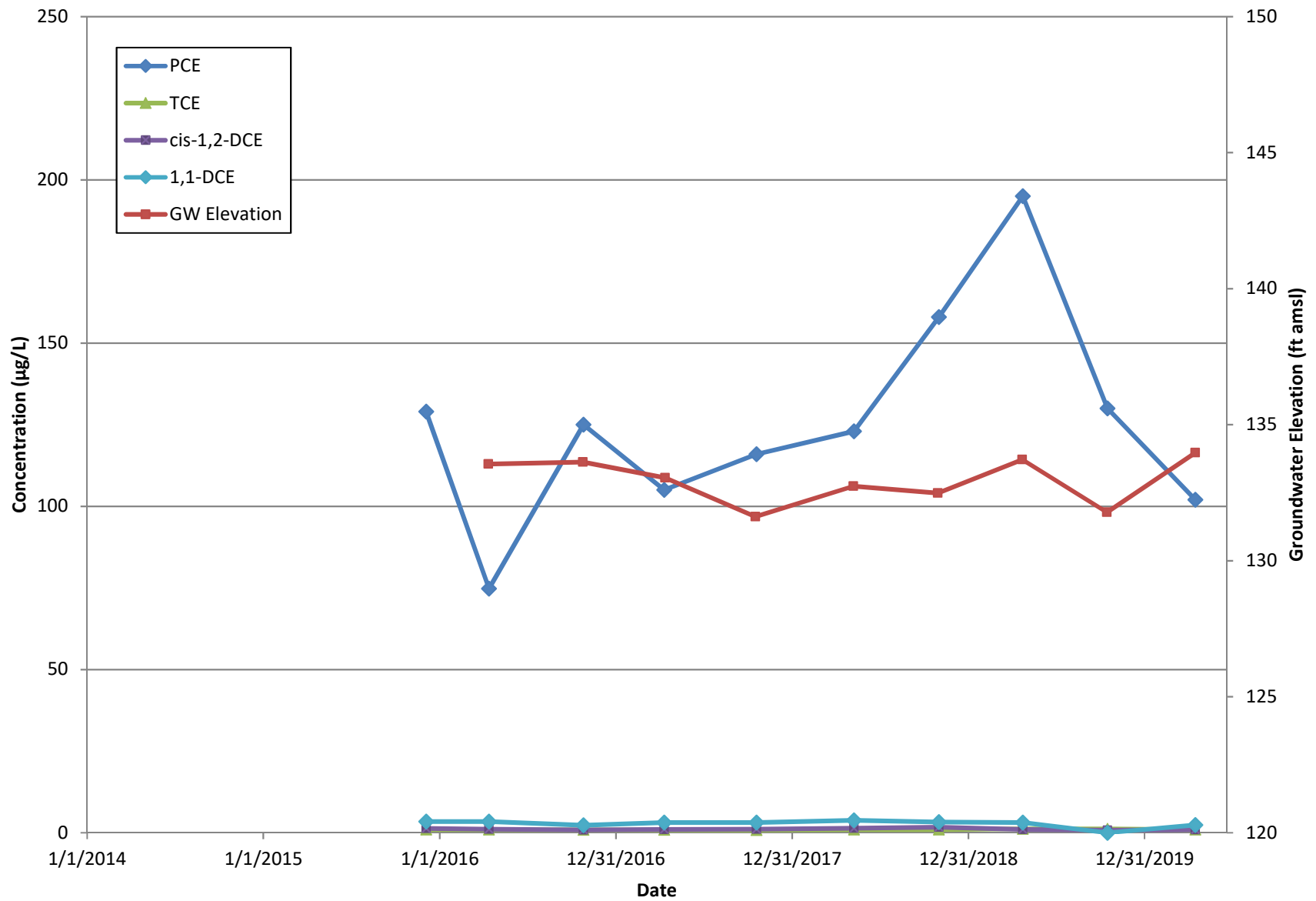
MW-22D Concentrations and Groundwater Elevation with Time



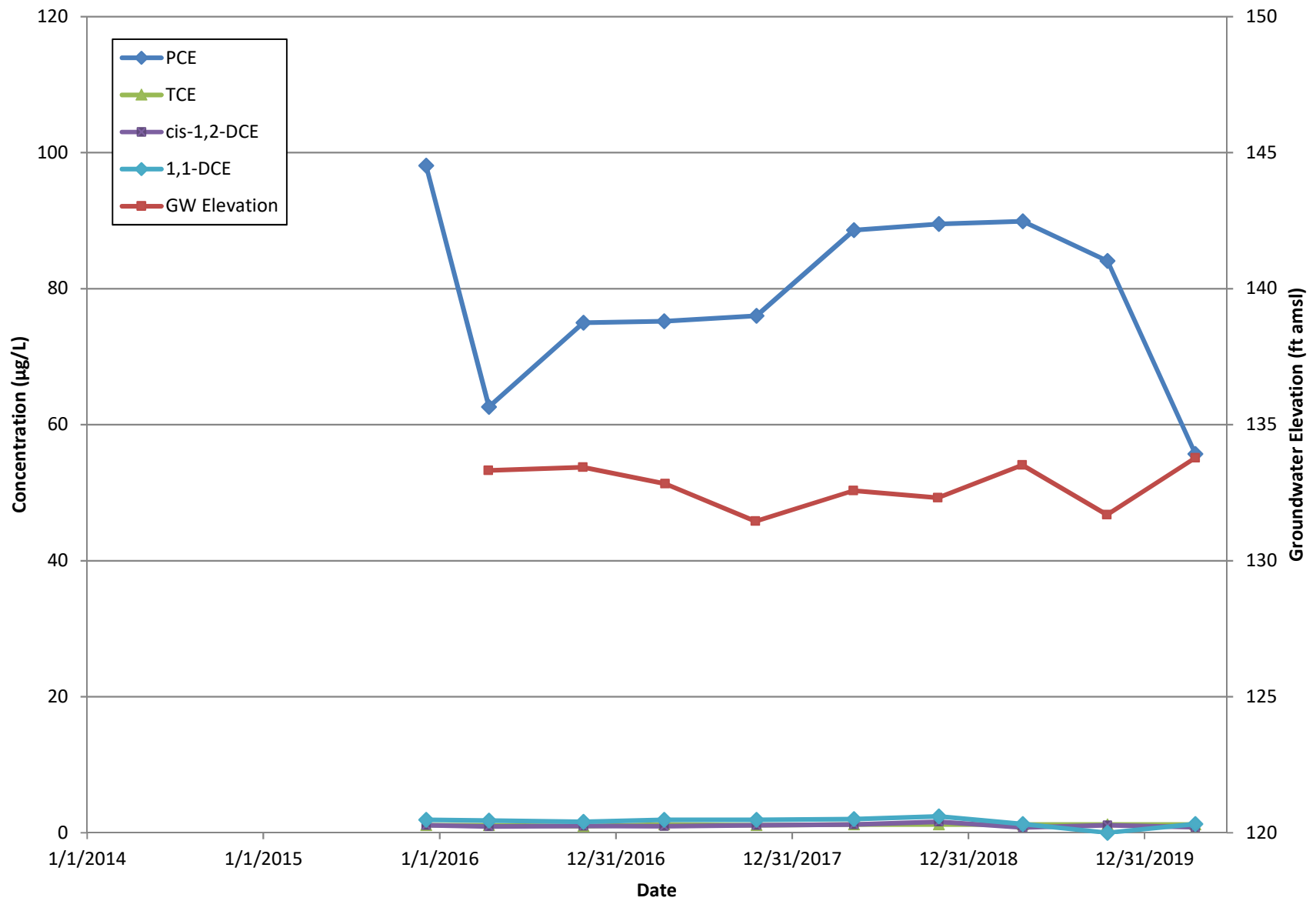
MW-24 Concentrations and Groundwater Elevation with Time



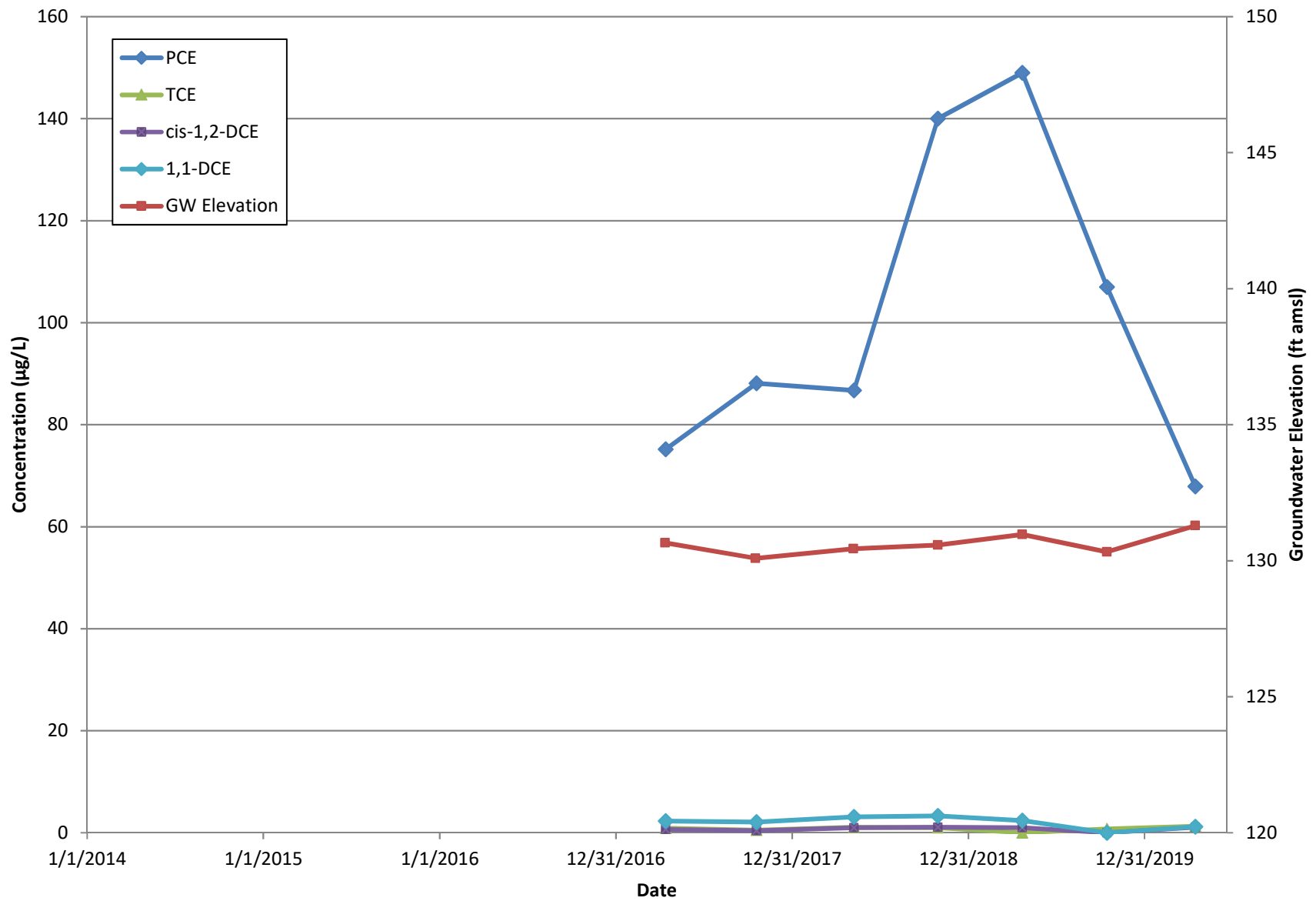
MW-25D Concentrations and Groundwater Elevation with Time



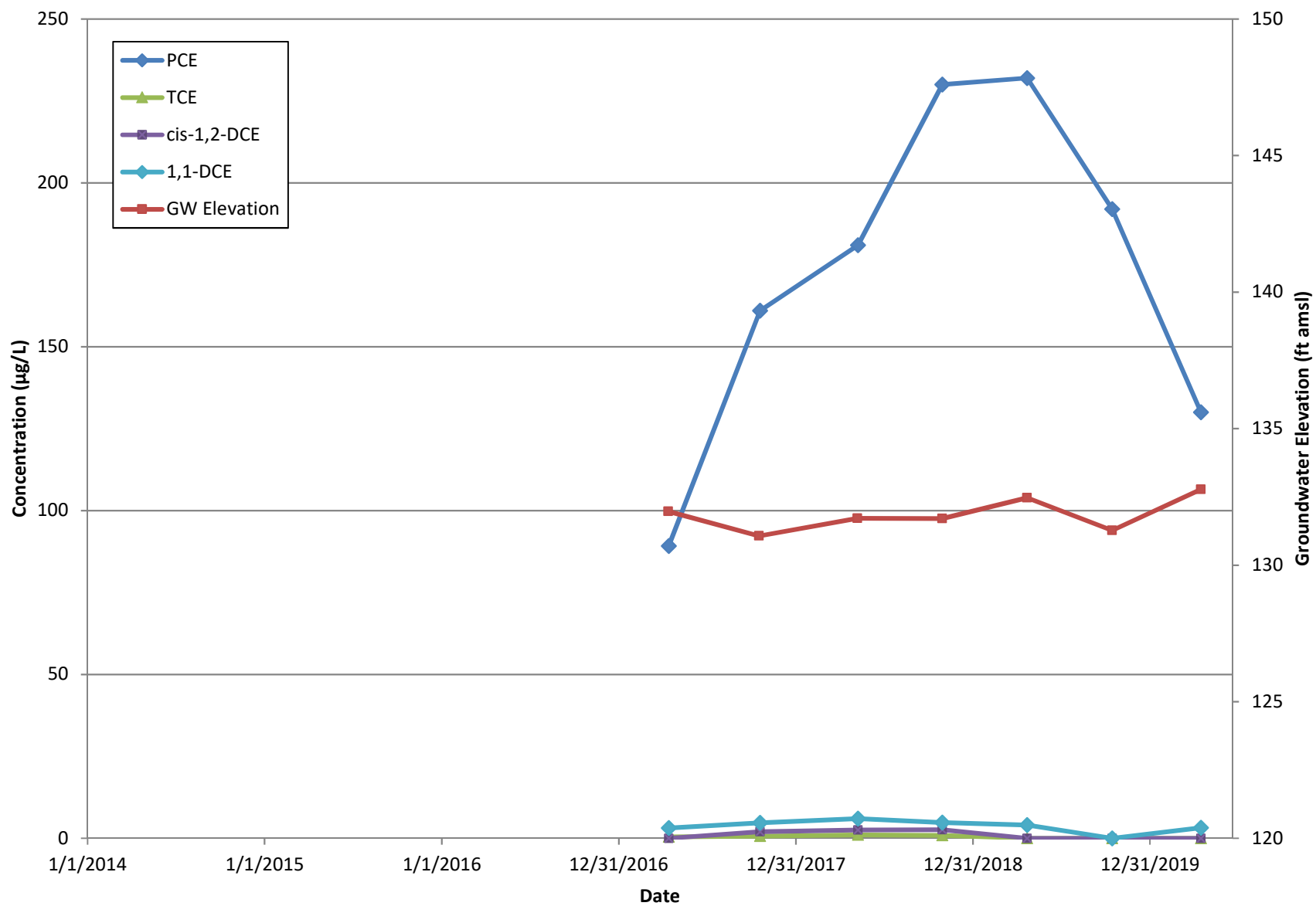
MW-26D Concentrations and Groundwater Elevation with Time



MW-30D Concentrations and Groundwater Elevation with Time



MW-31D Concentrations and Groundwater Elevation with Time



MW-32DR Concentrations and Groundwater Elevation with Time

