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REPORT

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Eversource Energy

Final Remedial Action Report

27 Parsons Lane
Durham, Connecticut
Eversource Spill Number CWC-18-00543







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EXECUTIVE SUMMARY

Weston & Sampson Engineers Inc. (Weston & Sampson) has prepared this Final Remedial Action Report (FRAR) to document additional response actions performed to address a historic release of polychlorinated biphenyl (PCB) containing mineral oil dielectric fluid (MODF) that occurred at 27 Parsons Lane in Durham, Connecticut in 2018. The response actions included supplemental assessment and remedial activities associated with a flow channel on the western corner of the 27 Parsons Lane property that receives discharge from an 8-inch (in.) clay outlet pipe affected by the release, an intermittent stream also located on the 27 Parsons Lane property and westerly abutting property at 105 Middlefield Road, and decommissioning two floor drains in a restroom/utility room inside the on-site industrial building at 27 Parsons Lane.

A previous Interim Remedial Action Report was prepared to document previous assessment and remedial activities that occurred at the Site in 2018 and 2019 in response to this release. This report builds off the previous report and documents additional activities performed in response to the release that were completed between 2020 through 2024.

Weston & Sampson has concluded the cumulative response actions taken between 2018 and 2024 to mitigate this release are considered complete to close out these areas and that additional investigation or remedial actions are not warranted.

1.0 INTRODUCTION & BACKGROUND

1.1 Introduction

Weston & Sampson Engineers Inc. (Weston & Sampson), on behalf of The Connecticut Light and Power Company dba Eversource Energy (Eversource), has prepared this Final Remedial Action Report (FRAR) to document additional response actions including assessment and remedial activities resulting from releases of polychlorinated biphenyl (PCB) containing mineral oil dielectric fluid (MODF) that occurred at 27 Parsons Lane in Durham, Connecticut (CT) in 2018. The releases affected multiple areas/features including floor drains inside an industrial building, an exterior grass courtyard area and catch basin, an outlet pipe for the catch basin that emptied into a drainage channel and an intermittent stream on the 27 Parsons Lane property, and portions of the same intermittent stream on the western abutting property at 105 Middlefield Road. The Connecticut Department of Energy and Environmental Protection (CT DEEP) assigned case number 2018-05541 for this release. The activities discussed in this report will address PCB impacts identified in drainage channel and stream sediment identified on both the 27 Parsons Lane and 105 Middlefield Road properties, and three floor drains in a bathroom/utility room inside the industrial building at 27 Parsons Lane.

1.2 Site Location and Description

The MODF release occurred on 27 Parsons Lane, a 5.05-acre industrially-zoned parcel of land located at the western end of Parsons Lane in the northern portion of Durham, Connecticut (see **Figure 1 – Site Locus Map** and **Figure 2 – Existing Conditions Plan**). The parcel is improved with an irregular-shaped industrial building and small detached garage located in the central portion of the property. There is a mixture of dirt and paved parking areas on the southern, eastern, and western sides of the building, there are woodlands on the northern, southern and western edges of the property, a pond on the southwestern corner of the property, and an intermittent stream on the northwestern corner of the property. The parcel is identified by the Town of Durham Assessor as Parcel ID #16-7.

The MODF release migrated onto the northeastern portion of the 105 Middlefield Road parcel via the intermittent stream. Totaling 13.09-acres, the 105 Middlefield Road property is located on the east side Middlefield Road (see **Figure 2 – Existing Conditions Plan**). Much of the parcel is wooded and undeveloped except for the southwestern portion which contains a residential dwelling. The parcel contains several ponds (not included in the remediation areas), and the same intermittent stream mentioned above traverses across much of the property flowing generally in a northeast to southwest direction. The stream discharges into the Coginchaug River located approximately ½ mile from the Site. This parcel is identified by the Town of Durham Assessor as Parcel ID #15-12.

The area surrounding the Site is a mixture of woodland and a combination of industrial, commercial and residential uses.

The geographic coordinates for the approximate center of the Site are as follows:

Latitude/Longitude:	41.4904268724463" North -72.6842386290727" West
UTM Coordinates:	306,686.50 meters East 4,595,742.86 meters North

1.3 Project Background

The initial MODF release at 27 Parsons Lane involved a broken utility pole supporting a bank of three customer-owned pole-mounted transformers that fell onto the roof of the industrial/commercial building centrally located on the property (see **Figure 2 – Existing Conditions Plan**). The impact caused a puncture through the roof of the building, and one transformer released most of its oil content into a restroom/utility room inside the building. Three floor drains inside the bathroom/utility room were affected, two drains emptied into a nearby (outdoor) catch basin in a grass lawn "courtyard area" that discharged via an outlet pipe to a discharge channel connected to an intermittent stream on the northwestern corner of the parcel, and one drain discharged into the building's active septic system. The property owner's contractor relocated the three transformers onto the ground outside the building. The primary bushings from the two undamaged transformers were subsequently removed, purportedly by vandals, causing these transformers to release their oil contents onto a grass lawn "courtyard area" and into the same courtyard catch basin that discharged to the stream on the northwestern corner of the parcel. The total quantity of oil released from this incident was reported as approximately 100 gallons with approximately 33 gallons (one transformer) having been released inside the building and approximately 67 gallons (two transformers) having been released outside in the courtyard area. Notification of the releases to the CT DEEP was completed on October 19, 2018. Analysis of the oil collected from the transformers revealed total PCB concentrations exceeding 50 milligrams per kilogram (mg/kg) subsequently making the release regulated by the Environmental Protection Agency (EPA) under the Toxic Substances Control Act (TSCA).

Spill cleanup actions occurred between October 19 and 22, and November 8, 2018, and they were performed by a licensed spill cleanup contractor (Clean Harbors Environmental Services (CHES)) under the supervision of Eversource personnel. These actions included removal and disposal of the impacted catch basin and surrounding impacted soils in the lawn "courtyard area," decontamination of the concrete floor and floor drains in the restroom/utility room with a detergent solution, and placement of oil-absorbent booms at the outfall pipe that was connected to the impacted catch basin. The drainage channel is approximately 15-feet (ft.) long before it intersects with an intermittent stream on the northwestern side of the parcel. The stream flows downgradient to the southwest onto the adjoining property at 105 Middlefield Road.

1.4 Interim Remedial Action Report Summary

The activities described above are summarized in greater detail in a May 2019 Interim Remedial Action Report (IRAR), and a copy of this report is included in **Appendix A**. Please refer to this report for more information regarding these activities.

2.0 SUPPLEMENTAL ASSESSMENT ACTIVITIES

A Weston & Sampson Licensed Environmental Professional (LEP) supervised all aspects of the supplemental assessment activities and compared laboratory analytical data against applicable cleanup criteria. Data generated from these activities was compared to the EPA's TSCA regulation (40 CFR 761.61(b)), the CT DEEP's Remediation Standard Regulations (RSRs) (C.G.S. 22a-133), and CT DEEP's Significant Environmental Hazard (SEH) notification statute (C.G.S. 22a-6u). Additional standards are noted where applicable.

2.1 Pipe Assessment Activities

Various iterations of pipe assessment work were completed between 2020 – 2023 and are summarized in the following subsections 2.1.1 to 2.1.4.

2.1.1 Geophysical Survey (July 2020)

On July 1, 2020, Corbuilt, LLC used geophysical equipment including Ground Penetrating Radar (GPR) and Electromagnetic Induction (EI) instruments and video inspection equipment on-Site to aid in locating and marking out two outlet pipes that emptied into the drainage channel located on the northwest corner of the Site, and the floor drain piping inside the bathroom/utility room area of the building affected by the MODF release.

In general, the results of this work achieved mixed findings. The geophysical equipment was successful in locating the configuration of subsurface piping across a good portion of the property exterior, but it encountered interference inside the building from metal rebar in the concrete floor which provided only partial information on the configuration of floor drain piping in the bathroom/utility room. It also could not locate the outlet pipe connected to the previously removed catch basin that extended beneath the building. The video inspection equipment was able to access the inside of an 8-in. reinforced concrete pipe (RCP) outfall on the northwest corner of the Site, but the clarity of the video was significantly obscured by the turbid flow of water inside the pipe. It also could not access the inside of a second 8-in. clay pipe outfall on the northwest corner of the Site near the 8-in. RCP outfall, and it could not access the floor drain piping in the bathroom/utility room. A field sketch illustrating the piping configuration findings from this work is provided as Figure 3.

During the completion of this work, a closer inspection of the pipe outfall affected by the MODF release on the northwest corner of the Site revealed it is constructed of clay material (an 8-in. clay pipe) and is not an 8-in. RCP as described in the IRAR. Although there is a separate 8-in. RCP outfall located approximately 10 feet (ft.) south of the 8-in. clay pipe outfall, the geophysical survey work combined with previous dye testing activities completed in 2018 conclusively determined the 8-in. RCP was not involved in the MODF release.

2.1.2 Test Pitting Activities (July 2021)

On July 15 and 16, 2021, two test pits were excavated by Strategic Environmental Services, Inc. (SES) in the rear parking lot area on the northwest side of the 27 Parsons Lane parcel to access the 8-in. clay pipe affected by the MODF release (Figure 3). After the pipe was exposed in each test pit, a section of

the piping was cut open for sampling. Two samples from the inside bottom surfaces of the clay pipe substrate (designated PTP-1 and PTP-2), one from each test pit, were collected and tested for PCBs. After the samples were collected, the sections of the 8-in. clay pipe were repaired by connecting 8-in. sections of PVC pipe with tightened flexible couplings (Ferncos®).

Two water samples of effluent observed discharging out the 8-in. clay pipe (PIPE-W2) and a nearby 8-in. RCP (PIPE-W) were also collected and tested for PCBs during these activities (Figure 3). Effluent and substrate samples from the 8-in. clay pipe were collected and tested because this pipe was previously affected by the MODF release, and we were assessing for absence/presence of PCB impacts after the spill cleanup actions completed in October and November 2018. Effluent from the 8-in. RCP was collected and tested to provide an additional line of evidence this outlet pipe was not impacted by the MODF release.

The above-described samples were analyzed for PCBs by EPA Method 8082A, and the substrate samples were also subject to soxhlet extraction by EPA Method 3540C. Analysis of the two effluent water samples and two pipe substrate samples revealed no detections for PCBs above the laboratory method reporting limit (Table 1). Appendix B contains photographs taken of these sampling activities and Appendix C includes applicable laboratory analytical reports for these samples.

2.1.3 Test Pitting Activities (July 2023)

On July 26, 2023, SES dug a test pit in the footprint of the catch basin formerly located in the courtyard area to re-locate, dye test, and sample the outlet pipe for the catch basin. Upon completing the test pit, the pipe could not be located, and it was subsequently determined that Eversource's remediation contractor involved with the 2018 response actions (Clean Harbors Environmental Services, Inc.) removed a section of this pipe that extended beneath the building foundation. As such, no environmental sampling activities were completed during these activities.

2.1.4 Floor Drain Assessment Activities (October 2023)

On October 5, 2023, four PCB wipe samples were collected as specified in 40 CFR 761.123 from the interior surface of three floor drains located in the bathroom/utility room area of the building affected by the MODF release. The concrete floor and associated drainpipes were saw cut (under negative pressure containment to control dust emissions) in two areas to permit discrete wipe sampling of all three floor drainpipes and the drainpipe that emptied into the previously removed courtyard catch basin. The wipe samples were collected to demonstrate the effectiveness of the spill response actions performed in 2018 and evaluate if additional remedial actions were needed for the affected floor drains. The wipe samples were labeled as follows: FD-U-WIPE-N was from floor drain #2, FD-WIPE-W was from floor drain #1, FD-WIPE-N was from floor drain #3 and FD-WIPE-E was from the discharge pipe that previously drained into the courtyard catch basin (Figure 4).

The wipe samples were analyzed for PCBs with soxhlet extraction by EPA Method 8082A and 3540C. Analysis of the pipe substrate samples revealed no detections for PCBs above the laboratory method reporting limit (Table 2). Appendix B contains photographs taken during these sampling activities and Appendix C includes applicable laboratory analytical reports for these samples. All waste generated

from saw cutting the floor, including containment and PPE, were managed as a PCB remediation waste and applicable disposal documents for this waste are included in Appendix D.

Lastly, Weston & Sampson would like to acknowledge the floor drain locations and ID's as shown on Figure 6 in the IRAR are inaccurate. Figure 4 in this report correctly portrays the floor drain locations and ID's.

2.2 Sediment Assessment Activities

2.2.1 CT DEEP Natural Diversity Database (NDDB) Review (July 2019)

An initial CT DEEP Natural Diversity Database (NDDB) Review request and determination was completed for the project in July 2019 in support of an Ecological Risk Assessment Work Plan being prepared for the MODF release. The determination revealed the existence of a State-listed species of concern (Northern Leopard Frog) within the sediment assessment area. The determination contained general Site information and provided instructions on when to conduct all work (during the dormant period between November 1 to April 1 to avoid impacting this species). The review was valid for one year. A copy of the July 2019 NDDB review request and CT DEEP determination letter is included in Appendix E.

2.2.2 Ecological Risk Assessment Work Plan (November 2019)

Weston & Sampson prepared an Ecological Risk Assessment Work Plan (Work Plan) as part of an ongoing investigation to obtain additional data to support performing an Ecological Risk Assessment (ERA) and define the nature and extent of PCB impacts to the drainage channel and intermittent stream associated with the MODF release. The purpose of the Work Plan was to outline the proposed activities to be conducted to further evaluate sediment and surface water quality along the length of the intermittent stream extending from the spill site (27 Parsons Lane) to the confluence with the Coginchaug River. The objectives of the Work Plan were to:

1) provide additional data to assess risk to the ecological receptors including additional data specifically obtained with lower detection limits for surface water,
2) provide assessment of potential impacts to aquatic resources associated with the Coginchaug River (not previously evaluated), and
3) further define the horizontal and vertical extent of PCBs within sediment.

The Work Plan describes proposed sampling locations, methods, and approach. CT DEEP reviewed the Work Plan and prepared a memorandum (dated March 17, 2020) that summarized the Department's conclusions and recommendations. Eversource subsequently prepared a March 26, 2020 response letter to offer concurrence with the CT DEEP memo and asked for clarification on some technical matters, and CTDEEP provided an email response that same day. Appendix E includes a copy of the ERA Work Plan, the CT DEEP memorandum, the Eversource response letter, and the CT DEEP email.

2.2.3 CT DEEP NDDB Review (March 2020)

A second CT DEEP NDDB review request and determination was completed for the project in March 2020 to support planned supplemental sediment sampling activities, acknowledge the existence of a State-listed species of concern (Northern Leopard Frog) from the prior 2019 NDDB review, and because

the previous (July 2019) NDDB review was valid for 1 year and required updating. A copy of the March 2020 NDDB review request and CT DEEP determination letter (valid for 2 years) is included in Appendix E.

2.2.4 Supplemental Sediment Sampling Activities (March 2021)

On March 17, 19 and 24, 2021, Weston & Sampson together with Anchor QEA performed additional sediment sampling activities in the drainage channel and intermittent stream located on-Site and off-Site in accordance with the Work Plan previously described in subsection 2.2.2. Additional data was collected in 2021 to prepare a Screening Level Ecological Risk Assessment (SLERA) that defined the nature and extent of the PCB impacts to the intermittent stream and its confluence with the downgradient Coginchaug River. The work was conducted during the dormant period for the State-listed species of concern Northern Leopard Frog, which was between November 1 to April 1 to avoid impacting this species. Sediment sample locations and the tabulated data are included in the Screening Level Ecological Risk Assessment (SLERA) report included in Appendix E, photographs taken of the 2021 sediment sampling activities are included in Appendix B, and applicable laboratory analytical reports for the sediment samples are included in Appendix C.

2.2.4 Screening Level Ecological Risk Assessment (SLERA) (December 2021)

The SLERA report contains a thorough review of the sediment analytical data for 2018 and 2021 and concludes source control (i.e. removal) activities should be implemented in five areas including at the 8-in. clay pipe outfall drainage channel, the confluence with the intermittent stream, and three downstream spot removal areas corresponding to transects T2, T4 and T4-1. CT DEEP reviewed the SLERA report and prepared a memorandum (dated July 21, 2022) that summarized the Department's conclusions and recommendations. CT DEEP requested additional spot removal actions be performed at a fifth location (SED-2) and that a 0.5 mg/kg cleanup standard be set for verification sampling to be completed in each of the remedial areas to measure the effectiveness of the remedial actions. A copy of the SLERA report and the CT DEEP review memorandum are included in Appendix E.

3.0 CONCEPTUAL SITE MODEL

Presented below is a brief, bulleted summary of a Conceptual Site Model (CSM) for the MODF release that occurred in 2018.

- A utility pole containing a bank of 3 pole-mounted transformers breaks and falls onto the roof of an industrial building at 27 Parsons Lane.
- The impact punctures the building roof and one transformer releases 33-gallons of MODF into a restroom/utility room impacting surfaces of roof materials, the concrete floor, and four well water pressure tanks, and MODF enters three floor drains.
- The transformers are relocated from the building rooftop to the ground outside the building where they are purportedly damaged by vandals causing a secondary release of 66-gallons of MODF from the two undamaged transformers which subsequently impacts a grass lawn "courtyard area", shallow subsurface soil, and a nearby catch basin.
- The catch basin is constructed with one inlet and one outlet pipe.
- Two floor drains in the restroom/utility room drain into the courtyard catch basin, and the third drain discharges to an on-Site septic system.
- The courtyard catch basin outlet pipe traverses underneath the industrial building in a northwest direction and emerges as an 8-in. clay outlet pipe on the northwest corner of the Site.
- There also is an 8-in. RCP located near the 8-in clay outlet pipe that has been determined not to be involved in the MODF release.
- The MODF is tested and found exhibiting PCB concentrations between 210-230 parts per million (ppm) with only one PCB Aroclor (1254) detected.
- Water effluent exiting the 8-in. clay outlet pipe is sampled and found impacted with PCBs with only one PCB Aroclor (1254) detected.
- Sediment in a drainage channel for the 8-in. clay outlet pipe and an intersecting intermittent stream were sampled and found impacted with PCBs also associated with PCB Aroclor 1254 and PCB Aroclor 1260.
- PCB-impacted sediment from the MODF release extends downstream onto the abutting property to the west at 105 Middlefield Road.

4.0 REMEDIAL PLANNING ACTIVITIES

4.1 Remedial Action Plan

A Remedial Action Plan (RAP) was prepared in March 2024 to implement PCB remedial activities in five specific areas including the drainage channel for the 8-in. clay outlet pipe, its confluence with an intermittent stream on the northwestern corner of the 27 Parsons Lane property, and three localized hot spot sediment areas further downstream on the 27 Parsons Lane property and western abutting property at 105 Middlefield Road. The activities described above are summarized in greater detail in the March 2024 RAP, and a copy of this report is included in Appendix F.

The RAP was subsequently submitted to CT DEEP for review and comment. Amber Trahan of CT DEEP responded by email on May 21, 2024 indicating the Department's Ecological Risk Group reviewed the RAP and confirmed it was consistent with their July 21, 2022 review memorandum of the SLERA and should accomplish all goals set forth in that memorandum. In addition, Ms. Trahan added that because this work is being performed under a 40 CFR 761.61(b) and there is no PCB enforcement action on this Site, there is no formal approval required to be issued by the CT DEEP PCB Program.

4.2 Design Documents

Weston & Sampson prepared final remedial construction plans and technical specifications in July for bidding by remedial contractors to perform the stream remediation work outlined in the RAP. The plans and specifications were subsequently refined in October 2024 after the remedial contractor Eversource selected for the project provided input on their remedial approach while avoiding potential damage to identified site conditions including an on-site septic system. The technical specifications included provisions for environmental protection, construction scheduling, worker safety, protection of property, construction facilities, temporary services, erosion and sediment control, clearing and grubbing, establishment of temporary roadways, stream channel diversion measures, excavation and removal of PCB-impacted sediment, dust management, noise and rodent control, permitting, and restoration measures for the drainage channel and intermittent stream. A copy of the plans and specifications is provided in Appendix G.

The plans and specifications also included decommissioning floor drains #1 and #3 in the bathroom/utility room area affected by the MODF release. These activities were needed because the floor drains were connected to the previously removed courtyard catch basin as part of response actions completed in 2018. A replacement catch basin was not to be installed in the same courtyard area, so floor drains #1 and #3 needed to be properly decommissioned by saw cutting and removing the drain receptacles from the concrete floor, filling the drainpipe with concrete, and patching the floor with concrete restoring the floor to pre-existing condition.

4.3 Permits

Completing the stream remediation activities for this project required several permits and regulatory reviews from federal, state and local agencies including the Army Corps of Engineers (ACOE), the CT DEEP, and the Durham Inland Wetland and Watercourses Agency (IWWA). Additional information about these permits is summarized below.

4.3.1 Army Corps of Engineers Self Verification Notification

A Self Verification Notification (SVN) form was submitted to ACOE on August 5, 2024 because the proposed remedial activities will cause impact within a waterway. The ACOE reviewed the application and authorized the planned remedial activities in formal correspondence dated August 22, 2024. A copy of the ACOE SVN form and the subsequent authorization letter is provided in Appendix H.

4.3.2 CT DEEP NDDB Review

A third NDDB Review request and determination was completed for the project in February 2023 in support of the PCB remedial activities planned for impacted sediment in the drainage channel and intermittent stream. A new determination was needed because there was a change in proposed work (conducting remedial actions vs. performing assessment actions in the previous review requests), and the remedial work area was much smaller than the assessment study area. CT DEEP determined there were no extant populations of Federal or State Endangered, Threatened or Special Concern species (RCSA Sec. 26-306) within the project area. The determination was valid for 2 years.

A fourth NDDB Review request and determination was completed for the project in April 2023 for the same proposed stream remediation areas because a minor revision was made to a figure showing proposed work areas. CT DEEP responded with the same determination as noted above. A copy of both NDDB Review requests and determination letters are provided in Appendix H.

4.3.3 Durham Inland Wetlands and Watercourses Agency Permit Application

A permit application to perform the remedial activities within a watercourse was submitted to the Durham Inland Wetlands and Watercourses Agency (IWWA) on August 5, 2024. Representatives from both Weston & Sampson and Eversource attended monthly IWWA commission meetings held on August 12 and September 9, 2024, a presentation about the project was provided to the commission during the September meeting, and supplemental information was provided in correspondence to the agency dated August 23, 2024. The commission ruled in favor of approving the permit application with conditions during the September meeting, and the conditions included providing the square footage of the area of disturbance and providing a copy of the final report to the agency. A copy of the IWWA permit application, supplemental correspondence, and the September 9, 2024 IWWC meeting minutes documenting the commission's approval of the remediation project are provided in Appendix H.

4.4 Habitat Evaluation

A licensed herpetologist (Eric Davison) from Davison Environmental provided supplemental NDDB compliance support for the project based on the previous March 2020 NDDB determination (#202003906) that identified a Federal or State Endangered, Threatened or Special Concern species (leopard frog) within the study area. In September 2022, Mr. Davison consulted with the project team on the best course of action for the project, conducted a Site visit to review habitat conditions at the planned remediation areas and assessed the suitability for habitation of the State-listed Northern Leopard Frog. Mr. Davison returned to the Site again in 2024 to perform a follow-up visit and confirmed that ground conditions had not changed. Mr. Davison concluded in his summary report that no preferred habitat exists at the remediation areas and no signs of the Northern Leopard Frog were observed during his Site visits. A copy of the herpetologist's summary report is provided in Appendix I.

5.0 REMEDIAL ACTIVITIES

The sections below describe the stream sediment remedial activities and interior floor drain decommissioning activities performed for the project. It begins with a discussion of pre-remedial verification sampling activities because verification sampling was performed before the remediation was implemented. Eversource, Weston & Sampson and Eversource's remedial contractor (SES) recognized that completing the sampling to define the limits of excavation before implementing the remediation would expedite the duration of the remediation field work, minimize disturbance to the drainage channel and intermittent stream, and limit the extenuating conditions involving adverse weather (e.g. heavy rain events).

5.1 Pre-Remedial Verification Sampling Activities

Weston & Sampson performed the pre-remedial verification sampling activities by establishing the five designated remediation areas that match the areas described in the RAP (see subsection 4.1). These five areas include a drainage channel for the 8-in. clay outlet pipe (Area 1), the confluence of the drainage channel with the intermittent stream (Area 2), and three additional localized sections of the intermittent stream (Areas 3 – 5) located further downstream. Remediation areas 1 - 3 are located on the 27 Parsons Lane property, and areas 4 and 5 are located on the 105 Middlefield Road property.

Before the sampling activities occurred, the limits of all 5 remediation areas as illustrated in the remedial design plans were field surveyed and marked with flagging and wood stakes. Once this was completed, pre-remedial verification sampling activities were performed at all 5 remediation areas on September 26 and 30, 2024 with supplemental sampling efforts completed on October 4 and October 9, 2024 at a few select verification sample locations in remediation areas 1 and 4 where the reported concentrations were slightly above the targeted cleanup goal of 0.5 mg/kg. A total of fifty-nine (59) cleanup verification sediment samples were collected for analytical testing, the samples were designated CS-1 through CS-56, and they include three blind duplicate sediment samples DUP-100, DUP-101 and DUP-102 collected for quality assurance/quality control (QA/QC) purposes. The samples were analyzed for PCBs by EPA method 8082A, and a low reporting limit of 0.5 mg/kg was specified to match the RAP and satisfy comments received from CT DEEP following their review of the SLERA (see subsection 3.2.4). The RAP specified a cleanup standard of 0.5 mg/kg which is designed to be protective of human health and the environment, and it is also below applicable federal cleanup standards established in 40 CFR Part 761 (the TSCA) and state cleanup standards established in 22a-133k-1 thru 22a-133k-3 (the RSR's). **Figures 5 - 10** illustrate the approximate locations of the cleanup verification samples collected for analytical testing, **Tables 3 – 7** contain a tabulated summary of the analytical data for each of the five remediation areas, and **Appendix C** contains the applicable laboratory analytical reports for all verification samples.

Weston & Sampson notes the PCB analyses for the verification samples were extracted using pressurized fluid extraction by EPA Method 3545A in place of Soxhlet extraction (EPA Method 3540C) which was specified in the RAP. This was done because of recent (2024) changes to the TSCA regulation (40 CFR 761) that no longer requires the use of Soxhlet extraction.

5.1.1 Analytical Results Discussion

The results of the pre-remedial cleanup verification sediment sampling activities were successful in delineating the nature and extent of removal limits for Areas 1 – 5, and this information was communicated to the remediation contractor SES. The limits also compare well to the approximate removal limits shown in the previously prepared RAP and the remedial design plans for this project.

5.2 Remedial Activities

Eversource mobilized a tree clearing contractor (Stanley Tree Service, Inc.) on October 10, 2024 to remove dense ground vegetation and a few small to large sized trees located within the proposed temporary access roads needed to reach the five remediation areas.

SES mobilized remediation equipment to the Site between October 28, 2024 and October 30, 2024 and prepared the project areas for performing the remedial activities, including installing temporary construction fencing and erosion and sedimentation (E&S) controls, and constructing temporary access roads. To reduce the overall footprint of disturbance on the wooded ecosystem, SES used construction equipment with extended reach capabilities to complete the remediation work which shortened the length of the temporary access roads needed to reach remediation areas 4 and 5.

Remediation of the drainage channel for the 8-in. clay outlet pipe (Area 1), the confluence of the drainage channel with the intermittent stream (Area 2), and the three additional localized sections of the intermittent stream (Areas 3 – 5) were completed between November 1 and 4, 2024. The work occurred during drought conditions, and there was no water flow to manage in either the drainage channel or intermittent stream remediation areas. The remedial excavations did not exhibit any outward signs of petroleum impact or odors. The bottoms of the remedial excavations were expectedly wet with some minimal ponding (less than 1-in. deep) of water evident.

Decommissioning of floor drains #1 and #3 in the bathroom/utility room area of the industrial building was completed on November 7, 2024. The drain receptacles were saw cut and removed from the concrete floor, and the pipe openings were plugged with concrete. The work was performed under negative pressure containment to prevent the spread of dust, and workers wore air purifying respirators during this work. The solid waste generated from this work was placed inside one of the remediation waste roll-offs.

Restoration activities in the drainage channel, intermittent stream and inside the bathroom/utility room of the building occurred on November 6, 7, 11 and 15, 2024. The drainage channel and stream remediation areas were backfilled using 23.13 tons of 1¼-inch minus controlled fill and compacted to match the surrounding existing grade. Erosion and sedimentation controls were removed from the work areas, processed stone and polyethylene sheeting temporarily placed for the access roads were removed, and native surface materials were regraded to pre-existing conditions and subsequently hydroseeded. Some E&S controls including straw waddles and processed stone were left in place at the exposed embankment for the 8-in. clay outlet pipe to help minimize erosion until the hydroseed germinates in the Spring of 2025. The saw cut sections of the floor associated with the floor drain decommissioning activities were also filled with new concrete and made smooth to match pre-existing floor conditions. Photographs taken of the remediation and restoration activities are included in Appendix B.

Perimeter air monitoring was performed by SES during the remediation project. Data was collected during the remediation of the drainage channel and intermittent stream and the pipe decommissioning activities using a combination of dust and aerosol monitoring devices. The data was reviewed during the field work and there were no exceedances of applicable National Ambient Air Quality Standard (NAAQS) action levels.

One composite sample of the PCB remediation waste was collected on November 1, 2024 and analyzed for various waste characterization parameters. Appendix C contains the applicable laboratory analytical report for this sample.

The remedial activities described above resulted in the generation of 20.31tons of PCB remediation waste that was transported in December 2024 by triaxle trucks for disposal to Wayne Landfill (operated by US Ecology in Wayne, MI). Disposal documents for this waste are included in Appendix D.

6.0 DATA QUALITY ASSESSMENT / DATA USABILITY EVALUATION

Samples collected by Eversource and Weston & Sampson were analyzed following the CT DEEP Reasonable Confidence Protocol (RCP). A review of the QA/QC data collected as part of the analysis indicates that the sample results are usable for their intended purpose which included:

- Verification of remedial activities; and
- Characterization of potential impacts to environmental media.

7.0 SUMMARY AND CONCLUSIONS

On behalf of Eversource, Weston & Sampson has prepared this FRAR to document additional response actions performed in association with a release of PCB containing MODF that occurred at 27 Parsons Lane in Durham, CT in 2018. The response actions include supplemental assessment and remedial activities associated with:

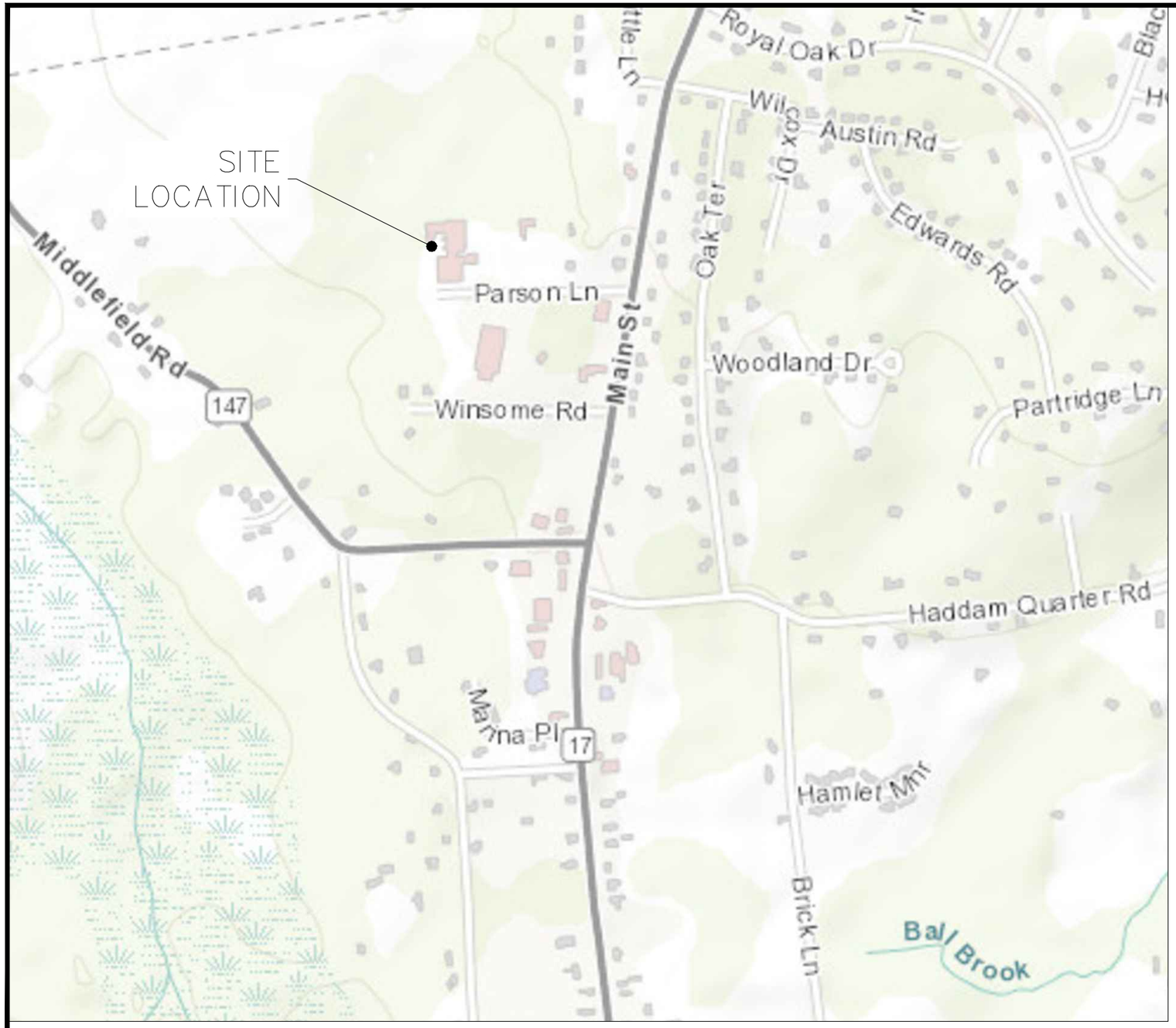
- a flow channel on the western corner of the property that receives discharge from an 8-in. clay outlet pipe affected by the release,
- an intermittent stream on the western corner of the property that flows onto an abutting property to the west (105 Middlefield Road), and
- decommissioning two floor drains in a restroom/utility room inside the on-site industrial building.

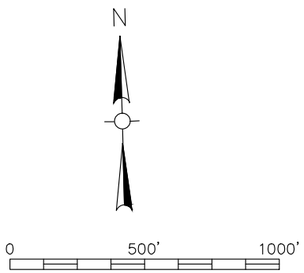
A previous Interim Remedial Action Report was prepared in 2019 to document other assessment and remedial activities that occurred at the Site in 2018 and 2019 in response to this release. This report builds off the previous (2019) report and documents additional activities performed in response to the release that were completed between 2020 through 2024.

Weston & Sampson has concluded that the cumulative response actions taken to mitigate this release incident involving the impacted building roofing debris, the concrete floor in the restroom/utility room, the four well water pressure tanks, the area where the property owner's contractors disconnected the transformers and placed them on the ground outside the building, the Site septic and stormwater drainage features, and the flow channel for an 8-in. clay outlet pipe that feeds into an intermittent watercourse are considered complete to close out these areas, and that no additional investigation or remedial actions are warranted.

FIGURES

Weston & Sampson





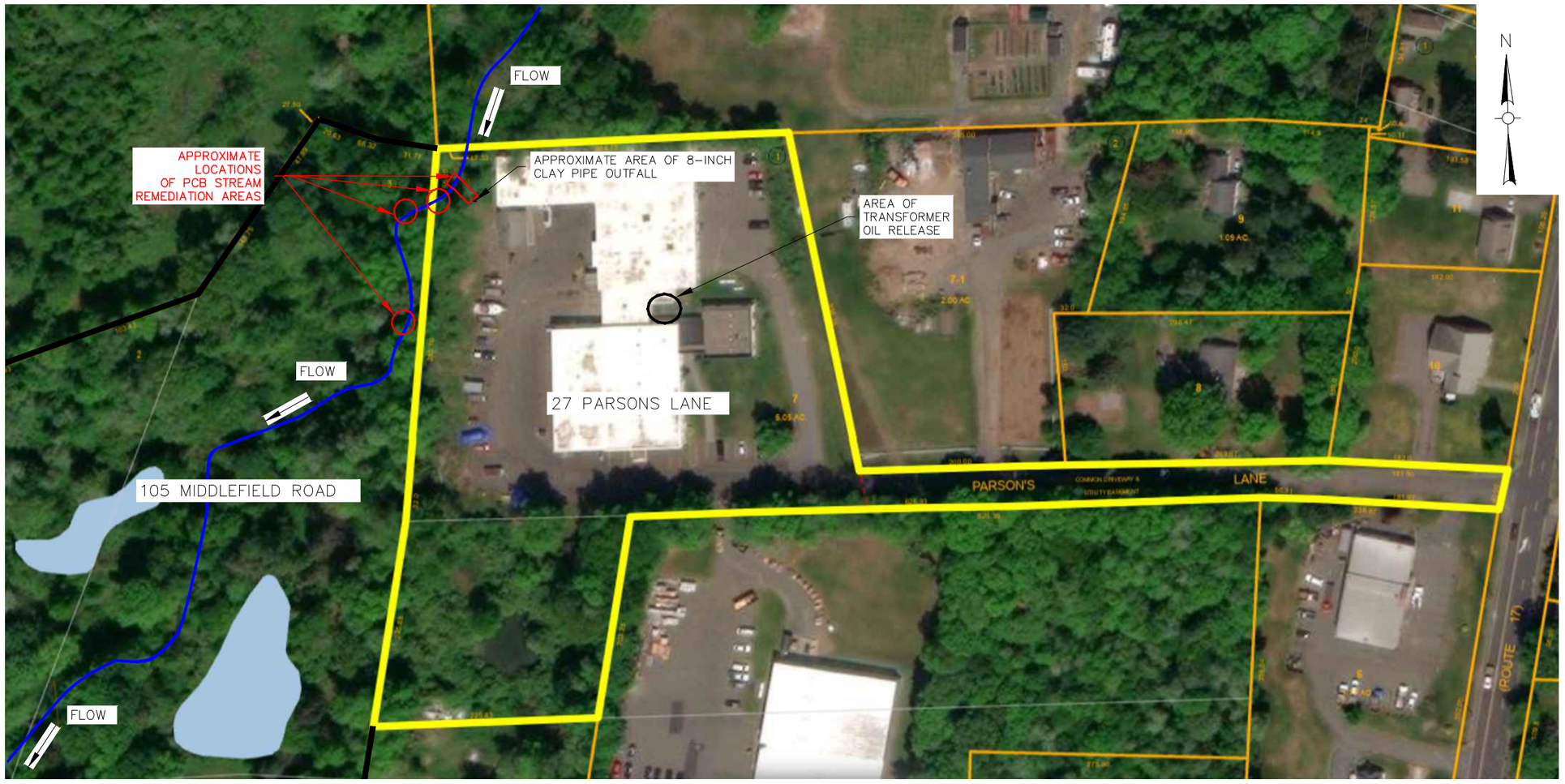
SCALE: 1"=500'

NOTE:

FIGURE 1 DERIVED BY THE TOWN OF DURHAM GIS DATABASE AS MANAGED BY CAI TECHNOLOGIES.

FIGURE 1		
FINAL REMEDIAL ACTION REPORT 27 PARSONS LANE, DURHAM CT		
SITE LOCUS MAP		
DESIGNED BY: WVS	CHECKED BY: JW	DATE: FEBRUARY 2025
Weston & Sampson		

Weston & Sampson



NOTE:

SAMPLE LOCATION PLAN DERIVED FROM TOWN OF DURHAM, CT GIS. FIELD MEASUREMENTS TAKEN BY WESTON & SAMPSON. THE LOCATIONS AND DIMENSIONS OF ALL FEATURES ARE APPROXIMATE.

100 50 0 100 200
SCALE: 1"=100'

FIGURE 2

FINAL REMEDIAL ACTION REPORT
27 PARSONS LANE, DURHAM CT

EXISTING CONDITIONS PLAN

DESIGNED BY: WWS	CHECKED BY: JW	DATE: FEBRUARY 2025

Weston & Sampson

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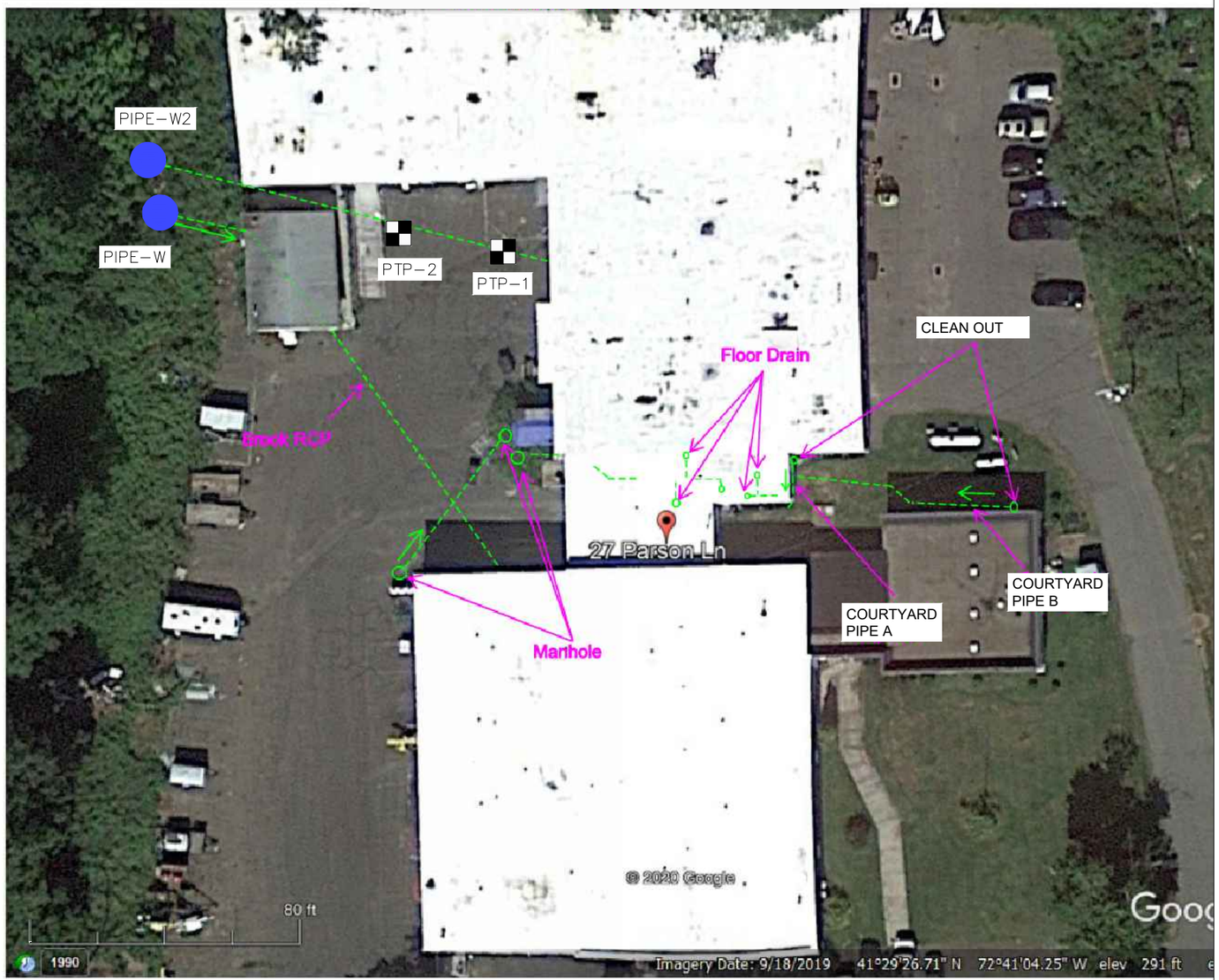
Weston & Sampson



N

SCALE: NTS

LEGEND

PTP–1 TEST PIT LOCATION FOR CLAY PIPE SUBSTRATE SAMPLES

PIPE–W PIPE EFFLUENT (WATER) SAMPLE LOCATION

DENOTES WHERE CAMERA WAS INSERTED INTO PIPE AND FORWARD TRAVEL

NOTE:

FIGURE 3 DERIVED FROM GOOGLE EARTH MAPPING. SITE ATTRIBUTES PROVIDED BY CORBUILT LLC.

FIGURE 3

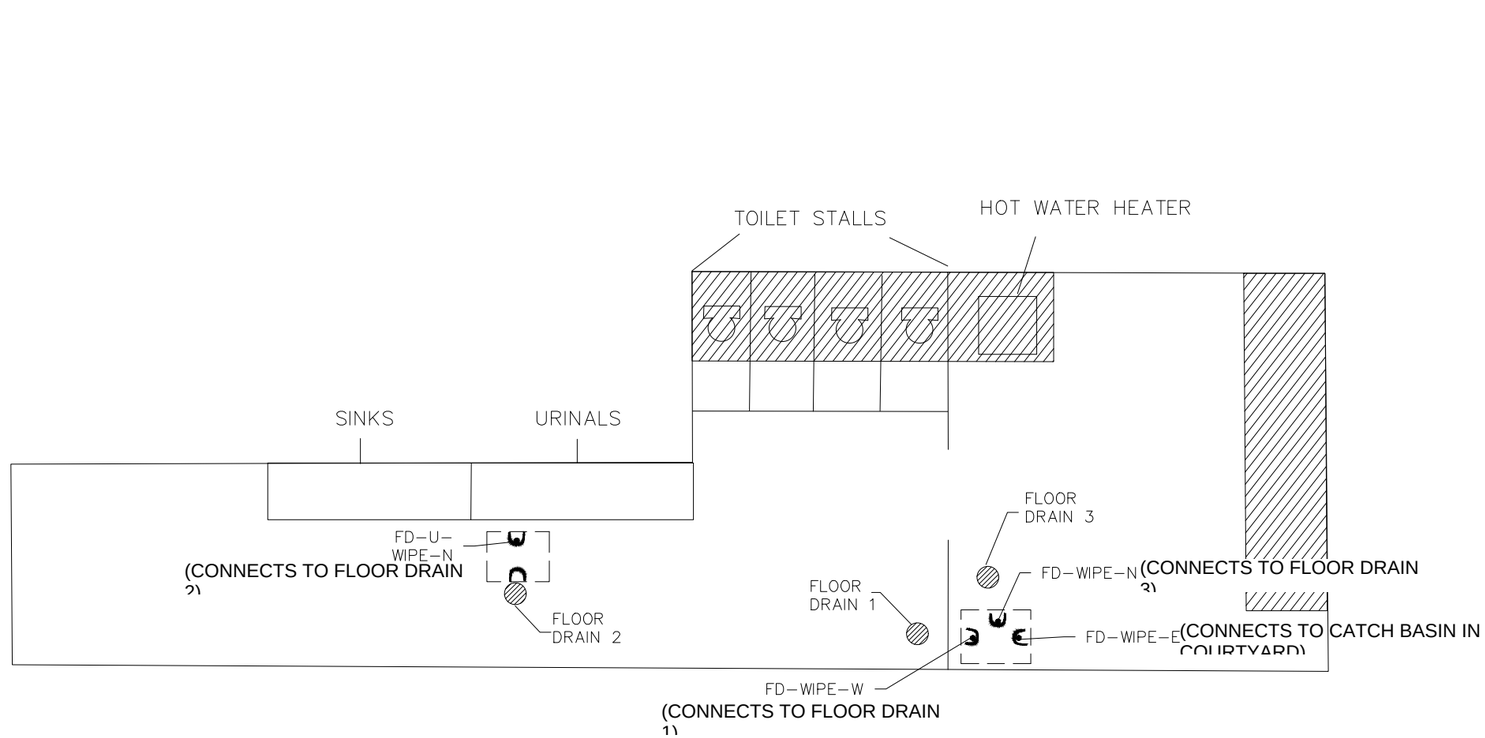
FINAL REMEDIAL ACTION REPORT
27 PARSONS LANE, DURHAM CT

FIELD SKETCH OF
SUBSURFACE PIPING CONFIGURATIONS

DESIGNED BY: WVS	CHECKED BY: JW	DATE: FEBRUARY 2025

Weston & Sampson

Weston & Sampson



LEGEND

- FLOOR DRAIN PIPE WIPE SAMPLE LOCATION
- CONCRETE FLOOR CUT

NOTE:

SAMPLE LOCATION PLAN DERIVED FROM FIELD MEASUREMENTS TAKEN BY WESTON & SAMPSON. THE LOCATIONS AND DIMENSIONS OF ALL FEATURES ARE APPROXIMATE.

5 2.5 0 5 10
SCALE: 1"=5'

FIGURE 4

FINAL REMEDIAL ACTION REPORT
27 PARSONS LANE, DURHAM, CT

DRAINPIPE WIPE SAMPLE LOCATION PLAN
RESTROOM / UTILITY ROOM

DESIGNED BY: WVS	CHECKED BY: JCW	DATE: FEBRUARY 2025

Weston & Sampson℠

Weston & Sampson

LEGEND:

- BUILDING
- SURFACE CONTOUR (257)
- ACCESS ROAD
- DRAINAGE LINE (D)
- TEMPORARY FENCE
- PROPOSED STREAM REMEDIATION AREA
- PROPOSED DRAINAGE CHANNEL REMEDIATION AREA
- CREEK BANK
- THALWEG
- STONE WALL

REMEDIATION AREA #4
REMEDIATION AREA #5
LIMIT OF WORK
REMEDIATION AREA #3
REMEDIATION AREA #2
REMEDIATION AREA #1
LIMIT OF WORK
SMH
Rim=269.70
8" RCP (Inactive)
8" RCP
Inv.=265.40
8" Clay
Inv.=262.10
GARAGE

FIGURE 5

FINAL REMEDIAL ACTION REPORT
27 PARSONS LANE, DURHAM, CT

REMEDIATION PLAN
OVERVIEW

DESIGNED BY: WVS	CHECKED BY: JCW	DATE: FEBRUARY 2025

Weston & Sampson℠

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Weston & Sampson

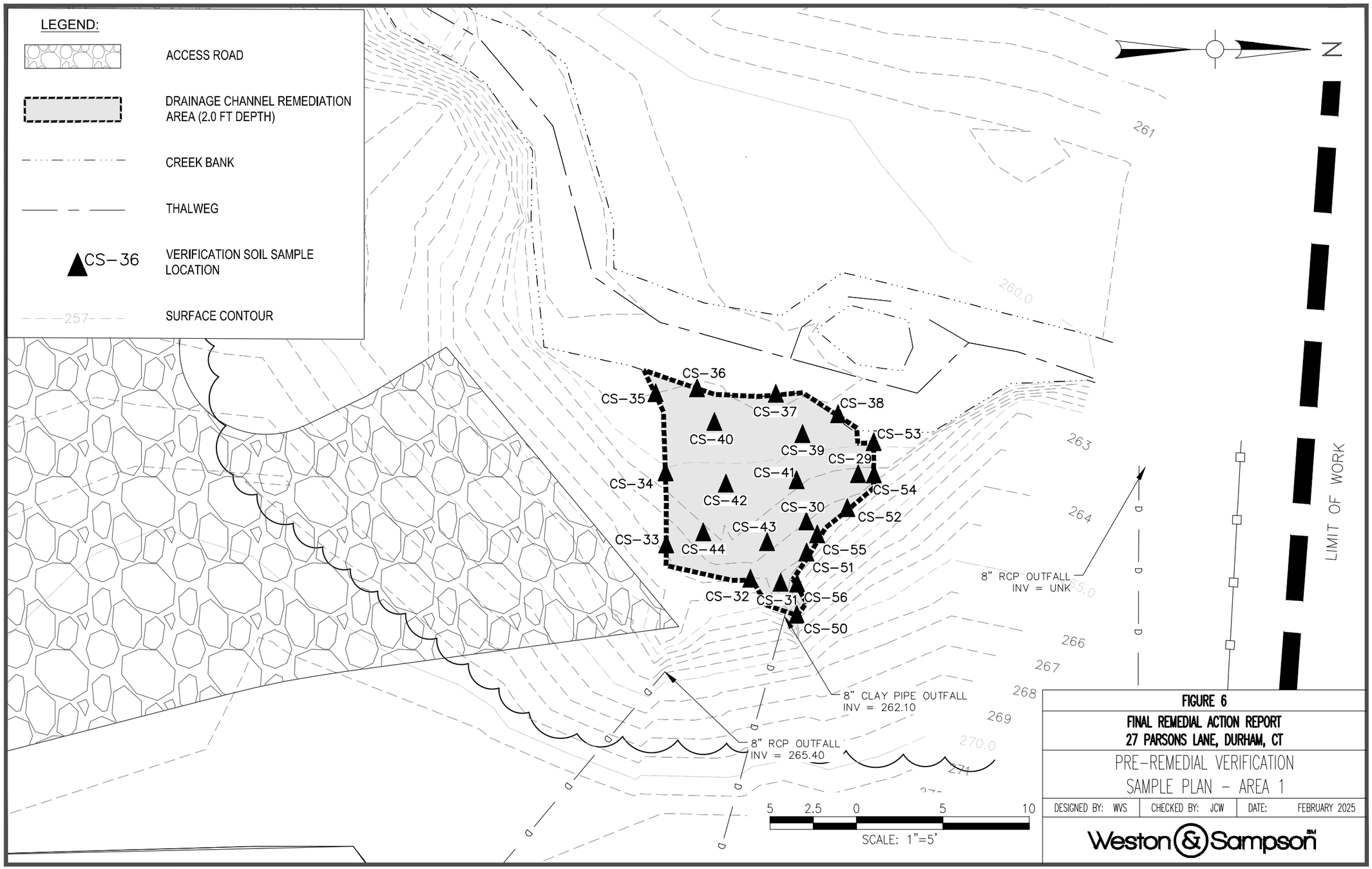

FIGURE 6

FINAL REMEDIAL ACTION REPORT
27 PARSONS LANE, DURHAM, CT

PRE-REMEDIAL VERIFICATION SAMPLE PLAN - AREA 1

DESIGNED BY: WVS	CHECKED BY: JCW	DATE: FEBRUARY 2025

Weston & Sampson℠

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Weston & Sampson

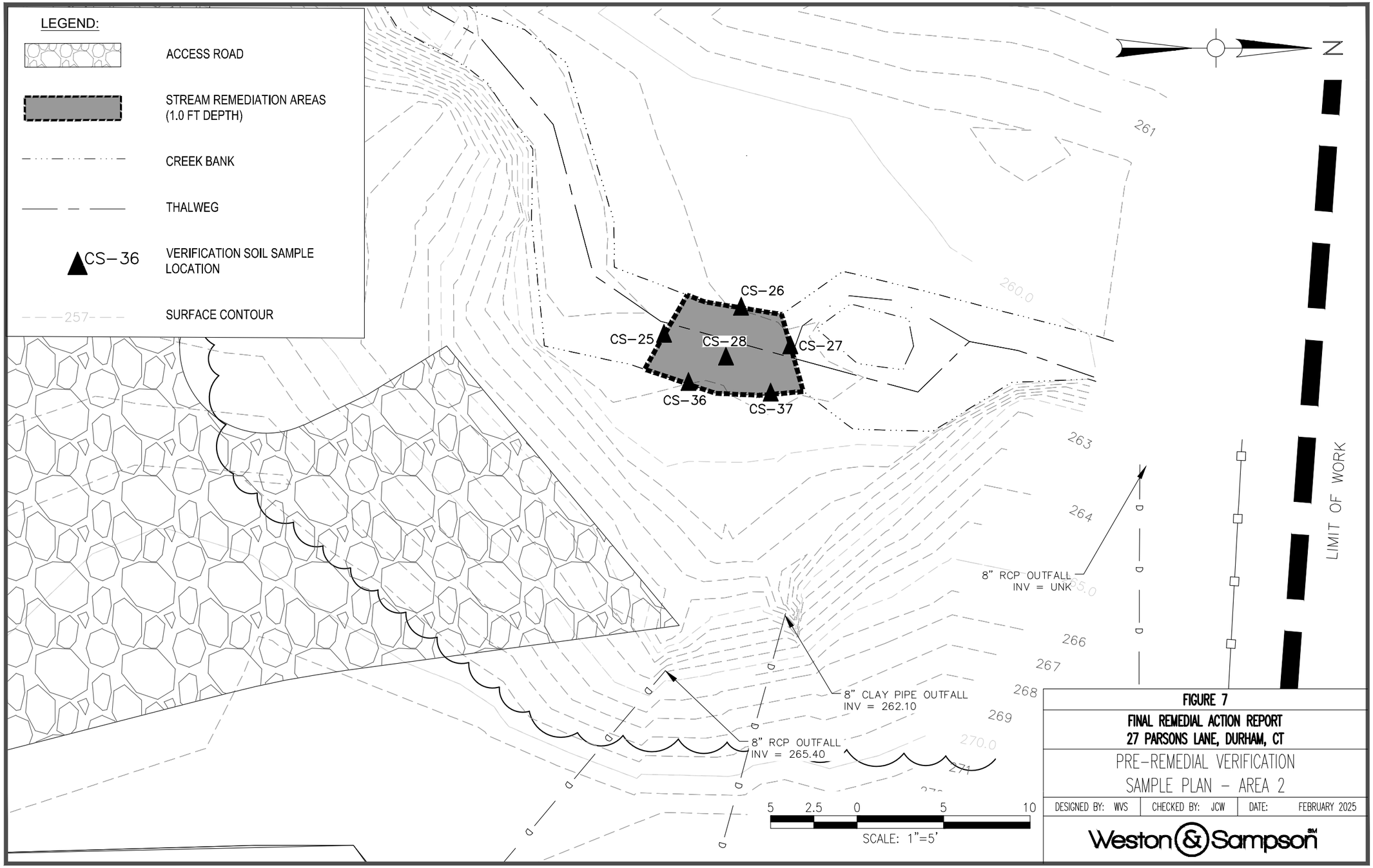

FIGURE 7

FINAL REMEDIAL ACTION REPORT
27 PARSONS LANE, DURHAM, CT

PRE-REMEDIAL VERIFICATION
SAMPLE PLAN – AREA 2

DESIGNED BY: WVS	CHECKED BY: JCW	DATE: FEBRUARY 2025

Weston & Sampson

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Weston & Sampson

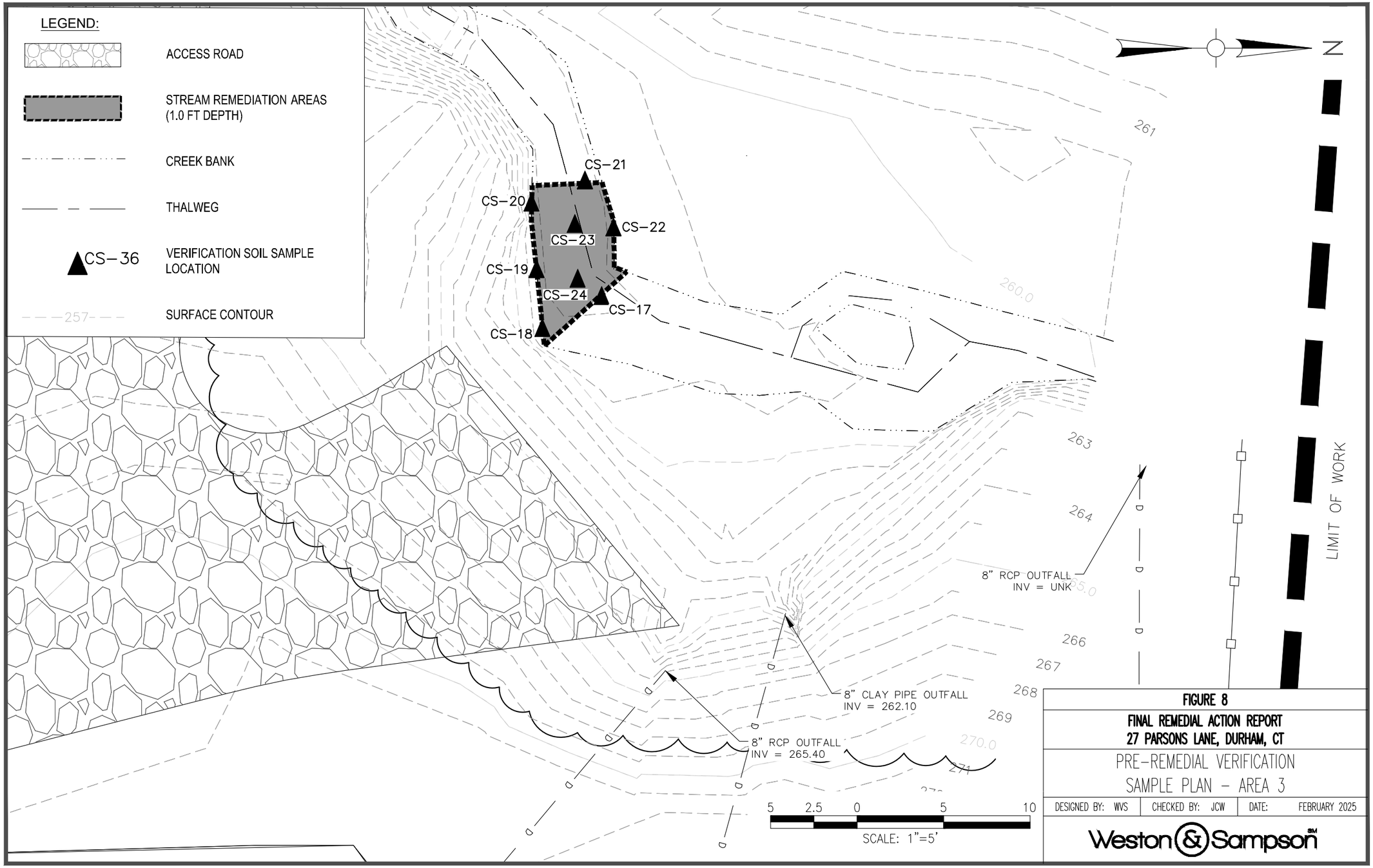

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FIGURE 8

FINAL REMEDIAL ACTION REPORT
27 PARSONS LANE, DURHAM, CT

PRE-REMEDIAL VERIFICATION SAMPLE PLAN – AREA 3

DESIGNED BY: WVS	CHECKED BY: JCW	DATE: FEBRUARY 2025

Weston & Sampson℠

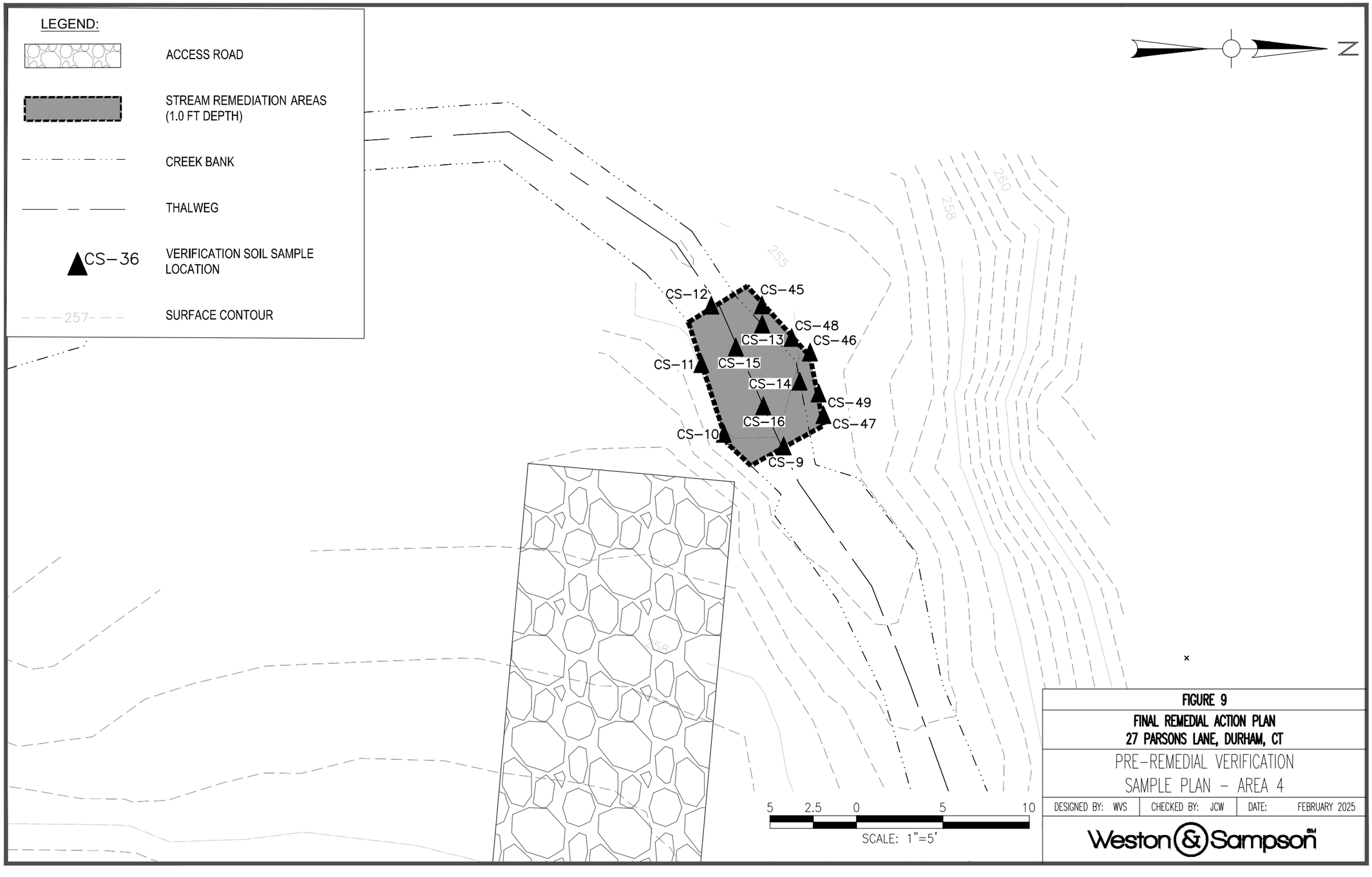

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FIGURE 9

FINAL REMEDIAL ACTION PLAN
27 PARSONS LANE, DURHAM, CT

PRE-REMEDIAL VERIFICATION SAMPLE PLAN - AREA 4

DESIGNED BY: WVS	CHECKED BY: JCW	DATE: FEBRUARY 2025

Weston & Sampson℠

Weston & Sampson

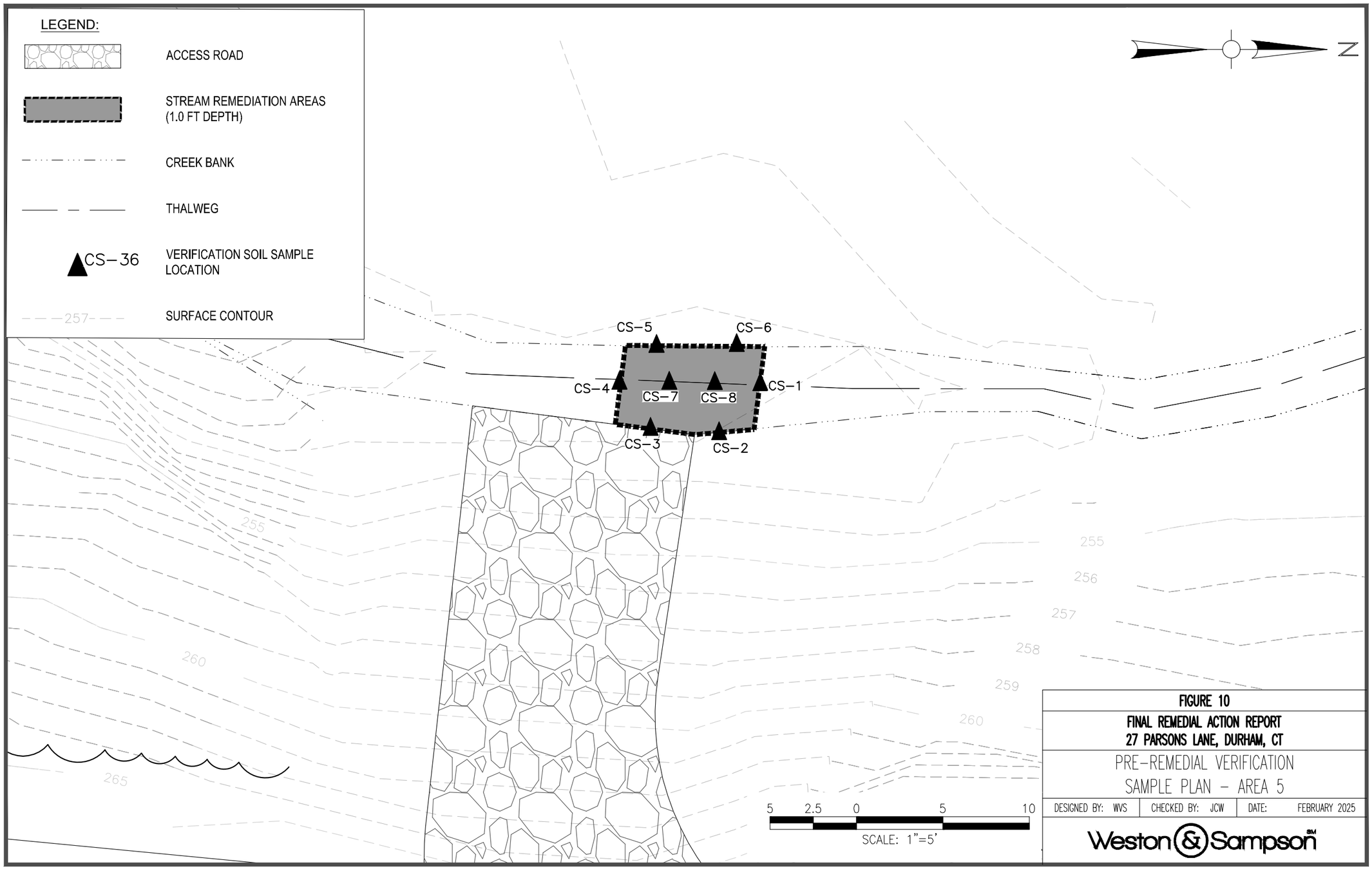

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FIGURE 10

FINAL REMEDIAL ACTION REPORT
27 PARSONS LANE, DURHAM, CT

PRE-REMEDIAL VERIFICATION SAMPLE PLAN - AREA 5

DESIGNED BY: WVS	CHECKED BY: JCW	DATE: FEBRUARY 2025

Weston & Sampson℠

TABLES

TABLE 1
SUMMARY OF PIPE EFFLUENT AND PIPE SUBSTRATE SAMPLE ANALYTICAL RESULTS
27 PARSONS LANE
DURHAM, CONNECTICUT
JULY 2021

SAMPLE ID	PIPE-W	PTP-1	PTP-2	PIPE-W2
SAMPLE LOCATION	8-in. RCP	8-in. CLAY PIPE		
SAMPLE MATRIX	WATER EFFLUENT	PIPE SUBSTRATE	PIPE SUBSTRATE	WATER EFFLUENT
DATE SAMPLED[2]	7/12/2021	7/15/2021	7/16/2021	7/16/2021
DATE EXTRACTED	- -	7/15/2021	7/16/2021	- -
WORK ORDER NO.	GCI71785	GCI75209	GCI75642	GCI75642
PARAMETER (Units)				
Polychlorinated Biphenyls by EPA Method 8082A (µg/L)				
Aroclor -1016	BRL<0.47	--	--	BRL<0.49
Aroclor -1221	BRL<0.47	--	--	BRL<0.49
Aroclor -1232	BRL<0.47	--	--	BRL<0.49
Aroclor -1242	BRL<0.47	--	--	BRL<0.49
Aroclor -1248	BRL<0.47	--	--	BRL<0.49
Aroclor -1254	BRL<0.47	--	--	BRL<0.49
Aroclor -1260	BRL<0.47	--	--	BRL<0.49
Aroclor -1262	BRL<0.47	--	--	BRL<0.49
Aroclor -1268	BRL<0.47	--	--	BRL<0.49
Total PCBs	BRL	--	--	BRL
Polychlorinated Biphenyls with Soxhlet Extration by EPA Methods 8082A and 3540C (µg/kg)				
Aroclor -1016	--	BRL<0.50	BRL<0.340	--
Aroclor -1221	--	BRL<0.50	BRL<0.340	--
Aroclor -1232	--	BRL<0.50	BRL<0.340	--
Aroclor -1242	--	BRL<0.50	BRL<0.340	--
Aroclor -1248	--	BRL<0.50	BRL<0.340	--
Aroclor -1254	--	BRL<0.50	BRL<0.340	--
Aroclor -1260	--	BRL<0.50	BRL<0.340	--
Aroclor -1262	--	BRL<0.50	BRL<0.340	--
Aroclor -1268	--	BRL<0.50	BRL<0.340	--
Total PCBs	--	BRL	BRL	--
Total Solids (%) by Standard Method 2540G	--	98	97	--

NOTES:
1. **Bold font** indicates parameter detected above laboratory method reporting limit.
2. Samples collected by Weston & Sampson.

Abbreviations:
µg/L = micrograms per liter
µg/kg = micrograms per kilogram
BRL < # = Below Reporting Limit (reporting limit specified)
BRL = All compounds below reporting limits

Prepared by: JCW
Reviewed by: LMW

TABLE 2
SUMMARY OF DRAINPIPE WIPE SAMPLE ANALYTICAL RESULTS FOR FLOOR DRAINS IN BATHROOM/UTILITY ROOM
27 PARSONS LANE
DURHAM, CONNECTICUT
JULY 2021

SAMPLE ID	FD-U-WIPE-N	FD-WIPE-N	FD-WIPE-E	FD-WIPE-W
SAMPLE LOCATION	Floor Drain #2	Floor Drain #3	Floor Drain to CB	Floor Drain #1
DATE SAMPLED[2]	10/5/2023	10/5/2023	10/5/2023	10/5/2023
DATE EXTRACTED	10/12/2023	10/12/2023	10/12/2023	10/12/2023
WORK ORDER NO.	GCP19209	GCP19209	GCP19209	GCP19209
PARAMETER (Units)				
Polychlorinated Biphenyls with Soxhlet Extration by EPA Methods 8082A and 3540C ($\mu g/100cm^2$)				
Aroclor -1016	BRL<0.50	BRL<0.50	BRL<0.50	BRL<0.50
Aroclor -1221	BRL<0.50	BRL<0.50	BRL<0.50	BRL<0.50
Aroclor -1232	BRL<0.50	BRL<0.50	BRL<0.50	BRL<0.50
Aroclor -1242	BRL<0.50	BRL<0.50	BRL<0.50	BRL<0.50
Aroclor -1248	BRL<0.50	BRL<0.50	BRL<0.50	BRL<0.50
Aroclor -1254	BRL<0.50	BRL<0.50	BRL<0.50	BRL<0.50
Aroclor -1260	BRL<0.50	BRL<0.50	BRL<0.50	BRL<0.50
Aroclor -1262	BRL<0.50	BRL<0.50	BRL<0.50	BRL<0.50
Aroclor -1268	BRL<0.50	BRL<0.50	BRL<0.50	BRL<0.50
Total PCBs	BRL	BRL	BRL	BRL

NOTES:
1. **Bold font** indicates parameter detected above laboratory method reporting limit.
2. Samples collected by Weston & Sampson.

Abbreviations:
$\mu g/100^2$ = micrograms per 100^2 centimeters
BRL < # = Below Reporting Limit (reporting limit specified)
BRL = All compounds below reporting limits
CB = Catch Basin

Prepared by: JCW
Reviewed by: LMW

TABLE 3
SUMMARY OF CLEANUP VERIFICATION SEDIMENT SAMPLE ANALYTICAL RESULTS - REMEDIATION AREA 1
27 PARSONS LANE & 105 MIDDLEFIELD ROAD
DURHAM, CONNECTICUT
SEPTEMBER AND OCTOBER 2024

SAMPLE LOCATION	CS-29	CS-30	CS-31	CS-32	CS-33	CS-34	CS-35	DUP-101 / Duplicate of CS-35	CS-36	Target Cleanup Standard[3]
SAMPLE DEPTH (feet)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
DATE SAMPLED	9/30/2024	9/30/2024	9/30/2024	9/30/2024	9/30/2024	9/30/2024	9/30/2024	9/30/2024	9/30/2024	
WORK ORDER NO.	24J0037	24J0037	24J0037	24J0037	24J0037	24J0037	24J0037	24J0037	24J0037	
PARAMETER (Units)[2]										
Polychlorinated Biphenyls by EPA Method 8082A (mg/kg)										
PCB 1016	BRL<0.16	BRL<0.069	BRL<0.062	BRL<0.063	BRL<0.063	BRL<0.069	BRL<0.095	BRL<0.090	BRL<0.093	NE
PCB-1221	BRL<0.16	BRL<0.069	BRL<0.062	BRL<0.063	BRL<0.063	BRL<0.069	BRL<0.095	BRL<0.090	BRL<0.093	NE
PCB-1232	BRL<0.16	BRL<0.069	BRL<0.062	BRL<0.063	BRL<0.063	BRL<0.069	BRL<0.095	BRL<0.090	BRL<0.093	NE
PCB-1242	BRL<0.16	BRL<0.069	BRL<0.062	BRL<0.063	BRL<0.063	BRL<0.069	BRL<0.095	BRL<0.090	BRL<0.093	NE
PCB-1248	BRL<0.16	BRL<0.069	BRL<0.062	BRL<0.063	BRL<0.063	BRL<0.069	BRL<0.095	BRL<0.090	BRL<0.093	NE
PCB-1254	**3.7**	BRL<0.069	**0.90**	BRL<0.063	BRL<0.063	BRL<0.069	BRL<0.095	BRL<0.090	BRL<0.093	NE
PCB-1260	BRL<0.16	**0.79**	BRL<0.062	BRL<0.063	BRL<0.063	BRL<0.069	BRL<0.095	BRL<0.090	BRL<0.093	NE
PCB 1262	BRL<0.16	BRL<0.069	BRL<0.062	BRL<0.063	BRL<0.063	BRL<0.069	BRL<0.095	BRL<0.090	BRL<0.093	NE
PCB 1268	BRL<0.16	BRL<0.069	BRL<0.062	BRL<0.063	BRL<0.063	BRL<0.069	BRL<0.095	BRL<0.090	BRL<0.093	NE
Total PCBs	**3.7**	**0.79**	**0.90**	BRL	BRL	BRL	BRL	BRL	BRL	0.5
Total Solids (%) by Standard Method 2540G	63	72	81	79	79	72	52	54	53	NE

SAMPLE LOCATION	CS-37	CS-38	CS-39	CS-40	CS-41	CS-42	CS-43	DUP-102 / Duplicate of CS-43	Target Cleanup Standard[3]
SAMPLE DEPTH (feet)	1.0	1.0	2.0	2.0	2.0	2.0	2.0		
DATE SAMPLED	9/30/2024	9/30/2024	9/30/2024	9/30/2024	9/30/2024	9/30/2024	9/30/2024	9/30/2024	
WORK ORDER NO.	24J0037	24J0037	24J0037	24J0037	24J0037	24J0037	24J0037	24J0037	
PARAMETER (Units)[2]									
Polychlorinated Biphenyls BY EPA method 8082A (mg/kg)									
PCB 1016	BRL<0.079	BRL<0.081	BRL<0.079	BRL<0.093	BRL<0.089	BRL<0.060	BRL<0.059	BRL<0.058	NE
PCB-1221	BRL<0.079	BRL<0.081	BRL<0.079	BRL<0.093	BRL<0.089	BRL<0.060	BRL<0.059	BRL<0.058	NE
PCB-1232	BRL<0.079	BRL<0.081	BRL<0.079	BRL<0.093	BRL<0.089	BRL<0.060	BRL<0.059	BRL<0.058	NE
PCB-1242	BRL<0.079	BRL<0.081	BRL<0.079	BRL<0.093	BRL<0.089	BRL<0.060	BRL<0.059	BRL<0.058	NE
PCB-1248	BRL<0.079	BRL<0.081	BRL<0.079	BRL<0.093	BRL<0.089	BRL<0.060	BRL<0.059	BRL<0.058	NE
PCB-1254	**0.45**	**0.19**	**0.22**	BRL<0.093	BRL<0.089	BRL<0.060	**0.10**	**0.22**	NE
PCB-1260	BRL<0.079	BRL<0.081	BRL<0.079	BRL<0.093	BRL<0.089	BRL<0.060	BRL<0.059	BRL<0.058	NE
PCB 1262	BRL<0.079	BRL<0.081	BRL<0.079	BRL<0.093	BRL<0.089	BRL<0.060	BRL<0.059	BRL<0.058	NE
PCB 1268	BRL<0.079	BRL<0.081	BRL<0.079	BRL<0.093	BRL<0.089	BRL<0.060	BRL<0.059	BRL<0.058	0.5
Total PCBs	**0.45**	**0.19**	**0.22**	BRL	BRL	BRL	**0.10**	**0.22**	0.5
Total Solids (%) by Standard Method 2540G	63	61	63	54	55	83	83	85	NE

SAMPLE LOCATION	CS-44	CS-50	CS-51	CS-52	CS-53	CS-54	CS-55	CS-56	Target Cleanup Standard[3]
SAMPLE DEPTH (feet)	2.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	
DATE SAMPLED	9/30/2024	10/9/2024	10/9/2024	10/9/2024	10/9/2024	10/9/2024	10/9/2024	10/9/2024	
WORK ORDER NO.	24J0037	24J0300	24J0300	24J0300	24J0300	24J0300	24J0300	24J0300	
PARAMETER (Units)[2]									
Polychlorinated Biphenyls BY EPA method 8082A (mg/kg)									
PCB 1016	BRL<0.063	BRL<0.057	BRL<0.061	BRL<0.090	BRL<0.071	BRL<0.060	BRL<0.059	BRL<0.056	NE
PCB-1221	BRL<0.063	BRL<0.057	BRL<0.061	BRL<0.090	BRL<0.071	BRL<0.060	BRL<0.059	BRL<0.056	NE
PCB-1232	BRL<0.063	BRL<0.057	BRL<0.061	BRL<0.090	BRL<0.071	BRL<0.060	BRL<0.059	BRL<0.056	NE
PCB-1242	BRL<0.063	BRL<0.057	BRL<0.061	BRL<0.090	BRL<0.071	BRL<0.060	BRL<0.059	BRL<0.056	NE
PCB-1248	BRL<0.063	BRL<0.057	BRL<0.061	BRL<0.090	BRL<0.071	BRL<0.060	BRL<0.059	BRL<0.056	NE
PCB-1254	**0.089**	BRL<0.057	BRL<0.061	BRL<0.090	BRL<0.071	BRL<0.060	BRL<0.059	BRL<0.056	NE
PCB-1260	BRL<0.063	BRL<0.057	**0.082**	BRL<0.090	BRL<0.071	BRL<0.060	BRL<0.059	BRL<0.056	NE
PCB 1262	BRL<0.063	BRL<0.057	BRL<0.061	BRL<0.090	BRL<0.071	BRL<0.060	BRL<0.059	BRL<0.056	NE
PCB 1268	BRL<0.063	BRL<0.057	BRL<0.061	BRL<0.090	BRL<0.071	BRL<0.060	BRL<0.059	BRL<0.056	0.5
Total PCBs	**0.089**	BRL	**0.082**	BRL	BRL	BRL	BRL	BRL	0.5
Total Solids (%) by Standard Method 2540G	79	86	81	55	69	82	85	88	NE

NOTES:
1. Analytical results compared to Connecticut Remediation Standard Regulations (January 1996; revised February 16, 2021).
2. Only compounds that were detected are provided in this table. For a complete list of analytes refer to laboratory report.
3. A cleanup standard of 0.5 mg/kg was established for this project to comply with TSCA regulations, CTDEEP RSR criteria, and per a July 21, 2022 CTDEEP interoffice memo prepared following the Department's review of the 2021 SLERA report.

mg/kg = milligrams per kilogram
BOLD = compound detected at that concentration.
BRL < # = Below Reporting Limit (reporting limit specified)
BRL = All compounds below reporting limits
-- = Not Applicable
NE = Not Established by DEEP
RES DEC = Residential Direct Exposure Criteria
I/C DEC = Industrial/Commercial Direct Exposure Criteria
GA PMC = GA Pollutant Mobility Criteria

= Exceeds Target Cleanup Standard

Prepared by: LMW
Reviewed by: JCW

TABLE 4
SUMMARY OF CLEANUP VERIFICATION SEDIMENT SAMPLE ANALYTICAL RESULTS - REMEDIATION AREA 2
27 PARSONS LANE & 105 MIDDLEFIELD ROAD
DURHAM, CONNECTICUT
SEPTEMBER AND OCTOBER 2024

SAMPLE LOCATION	CS-25	CS-26	CS-27	CS-28	CS-36	CS-37	Target Cleanup Standard[3]
SAMPLE DEPTH (feet)	0.5	0.5	0.5	1.0	1.0	1.0	
DATE SAMPLED	9/30/2024	9/30/2024	9/30/2024	9/30/2024	9/30/2024	9/30/2024	
WORK ORDER NO.	24J0037	24J0037	24J0037	24J0037	24J0037	24J0037	
PARAMETER (Units)[2]							
Polychlorinated Biphenyls by EPA Method 8082A (mg/kg)							
PCB 1016	BRL<0.089	BRL<0.075	BRL<0.060	BRL<0.089	BRL<0.093	BRL<0.079	BRL<0.060
PCB-1221	BRL<0.089	BRL<0.075	BRL<0.060	BRL<0.089	BRL<0.093	BRL<0.079	BRL<0.060
PCB-1232	BRL<0.089	BRL<0.075	BRL<0.060	BRL<0.089	BRL<0.093	BRL<0.079	BRL<0.060
PCB-1242	BRL<0.089	BRL<0.075	BRL<0.060	BRL<0.089	BRL<0.093	BRL<0.079	BRL<0.060
PCB-1248	BRL<0.089	BRL<0.075	BRL<0.060	BRL<0.089	BRL<0.093	BRL<0.079	BRL<0.060
PCB-1254	BRL<0.089	BRL<0.075	**0.17**	BRL<0.089	BRL<0.093	**0.45**	BRL<0.060
PCB-1260	BRL<0.089	BRL<0.075	BRL<0.060	BRL<0.089	BRL<0.093	BRL<0.079	BRL<0.060
PCB 1262	BRL<0.089	BRL<0.075	BRL<0.060	BRL<0.089	BRL<0.093	BRL<0.079	BRL<0.060
PCB 1268	BRL<0.089	BRL<0.075	BRL<0.060	BRL<0.089	BRL<0.093	BRL<0.079	BRL<0.060
Total PCBs	BRL	BRL	**0.17**	BRL	BRL	**0.45**	0.5
Total Solids (%) by Standard Method 2540G	56	66	84	55	53	63	NE

NOTES:
1. Analytical results compared to Connecticut Remediation Standard Regulations (January 1996; revised February 16, 2021).
2. Only compounds that were detected are provided in this table. For a complete list of analytes refer to laboratory report.
3. A cleanup standard of 0.5 mg/kg was established for this project to comply with TSCA regulations, CTDEEP RSR criteria, and per a July 21, 2022 CTDEEP interoffice memo prepared following the Department's review of the 2021 SLERA report.

mg/kg = milligrams per kilogram
BOLD = compound detected at that concentration.
BRL < # = Below Reporting Limit (reporting limit specified)
BRL = All compounds below reporting limits
-- = Not Applicable
NE = Not Established by DEEP
RES DEC = Residential Direct Exposure Criteria
I/C DEC = Industrial/Commercial Direct Exposure Criteria
GA PMC = GA Pollutant Mobility Criteria
= Exceeds Target Cleanup Standard

Prepared by: LMW
Reviewed by: JCW

TABLE 5
SUMMARY OF CLEANUP VERIFICATION SEDIMENT SAMPLE ANALYTICAL RESULTS - REMEDIATION AREA 3
27 PARSONS LANE & 105 MIDDLEFIELD ROAD
DURHAM, CONNECTICUT
SEPTEMBER AND OCTOBER 2024

SAMPLE LOCATION	CS-17	CS-18	DUP-100 / Duplicate of CS-18	CS-19	CS-20	CS-21	CS-22	CS-23	CS-24	Target Cleanup Standard[3]
SAMPLE DEPTH (feet)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	
DATE SAMPLED	9/30/2024	9/30/2024	9/30/2024	9/30/2024	9/30/2024	9/30/2024	9/30/2024	9/30/2024	9/30/2024	
WORK ORDER NO.	24J0037	24J0037	24J0037	24J0037	24J0037	24J0037	24J0037	24J0037	24J0037	
PARAMETER (Units)[2]										
Polychlorinated Biphenyls by EPA Method 8082A (mg/kg)										
PCB-1016	BRL<0.060	BRL<0.10	BRL<0.10	BRL<0.086	BRL<0.076	BRL<0.064	BRL<0.087	BRL<0.064	BRL<0.096	NE
PCB-1221	BRL<0.060	BRL<0.10	BRL<0.10	BRL<0.086	BRL<0.076	BRL<0.064	BRL<0.087	BRL<0.064	BRL<0.096	NE
PCB-1232	BRL<0.060	BRL<0.10	BRL<0.10	BRL<0.086	BRL<0.076	BRL<0.064	BRL<0.087	BRL<0.064	BRL<0.096	NE
PCB-1242	BRL<0.060	BRL<0.10	BRL<0.10	BRL<0.086	BRL<0.076	BRL<0.064	BRL<0.087	BRL<0.064	BRL<0.096	NE
PCB-1248	BRL<0.060	BRL<0.10	BRL<0.10	BRL<0.086	BRL<0.076	BRL<0.064	BRL<0.087	BRL<0.064	BRL<0.096	NE
PCB-1254	**0.24**	BRL<0.10	BRL<0.10	BRL<0.086	BRL<0.076	BRL<0.064	BRL<0.087	BRL<0.064	BRL<0.096	NE
PCB-1260	BRL<0.060	BRL<0.10	BRL<0.10	BRL<0.086	BRL<0.076	BRL<0.064	BRL<0.087	BRL<0.064	BRL<0.096	NE
PCB-1262	BRL<0.060	BRL<0.10	BRL<0.10	BRL<0.086	BRL<0.076	BRL<0.064	BRL<0.087	BRL<0.064	BRL<0.096	NE
PCB-1268	BRL<0.060	BRL<0.10	BRL<0.10	BRL<0.086	BRL<0.076	BRL<0.064	BRL<0.087	BRL<0.064	BRL<0.096	0.5
Total PCBs	**0.24**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	0.5
Total Solids (%) by Standard Method 2540G	83	48	49	58	66	77	58	78	52	NE

NOTES:
1. Analytical results compared to Connecticut Remediation Standard Regulations (January 1996; revised February 16, 2021).
2. Only compounds that were detected are provided in this table. For a complete list of analytes refer to laboratory report.
3. A cleanup standard of 0.5 mg/kg was established for this project to comply with TSCA regulations, CTDEEP RSR criteria, and per a July 21, 2022 CTDEEP interoffice memo prepared following the Department's review of the 2021 SLERA report.

mg/kg = milligrams per kilogram
BOLD = compound detected at that concentration.
BRL < # = Below Reporting Limit (reporting limit specified)
BRL = All compounds below reporting limits
-- = Not Applicable
NE = Not Established by DEEP
RES DEC = Residential Direct Exposure Criteria
I/C DEC = Industrial/Commercial Direct Exposure Criteria
GA PMC = GA Pollutant Mobility Criteria
= Exceeds Target Cleanup Standard

Prepared by: LMW
Reviewed by: JCW

TABLE 6
SUMMARY OF CLEANUP VERIFICATION SEDIMENT SAMPLE ANALYTICAL RESULTS - REMEDIATION AREA 4
27 PARSONS LANE & 105 MIDDLEFIELD ROAD
DURHAM, CONNECTICUT
SEPTEMBER AND OCTOBER 2024

SAMPLE LOCATION	CS-9	CS-10	CS-11	CS-12	CS-13	CS-14	CS-15	Target Cleanup Standard[3]
SAMPLE DEPTH (feet)	0.5	0.5	0.5	0.5	0.5	0.5	1.0	
DATE SAMPLED	9/26/2024	9/26/2024	9/26/2024	9/26/2024	9/26/2024	9/26/2024	9/26/2024	
WORK ORDER NO.	24I0706	24I0706	24I0706	24I0706	24I0706	24I0706	24I0706	
PARAMETER (Units)[2]								
Polychlorinated Biphenyls by EPA Method 8082A (mg/kg)								
PCB-1016	BRL<0.072	BRL<0.064	BRL<0.061	BRL<0.061	BRL<0.064	BRL<0.081	BRL<0.062	NE
PCB-1221	BRL<0.072	BRL<0.064	BRL<0.061	BRL<0.061	BRL<0.064	BRL<0.081	BRL<0.062	NE
PCB-1232	BRL<0.072	BRL<0.064	BRL<0.061	BRL<0.061	BRL<0.064	BRL<0.081	BRL<0.062	NE
PCB-1242	BRL<0.072	BRL<0.064	BRL<0.061	BRL<0.061	BRL<0.064	BRL<0.081	BRL<0.062	NE
PCB-1248	BRL<0.072	BRL<0.064	BRL<0.061	BRL<0.061	BRL<0.064	BRL<0.081	BRL<0.062	NE
PCB-1254	BRL<0.072	BRL<0.064	**0.14**	BRL<0.061	**0.97**	**0.77**	BRL<0.062	NE
PCB-1260	BRL<0.072	BRL<0.064	BRL<0.061	**0.24**	BRL<0.064	BRL<0.081	BRL<0.062	NE
PCB-1262	BRL<0.072	BRL<0.064	BRL<0.061	BRL<0.061	BRL<0.064	BRL<0.081	BRL<0.062	NE
PCB-1268	BRL<0.072	BRL<0.064	BRL<0.061	BRL<0.061	BRL<0.064	BRL<0.081	BRL<0.062	NE
Total PCBs	BRL	BRL	**0.14**	**0.24**	**0.97**	**0.77**	BRL	0.5
Total Solids (%) by Standard Method 2540G	69	78	82	81	78	62	81	NE

SAMPLE LOCATION	CS-16	CS-45	CS-46	CS-47	CS-48	CS-49	Target Cleanup Standard[3]
SAMPLE DEPTH (feet)	1.0	0.5	0.5	0.5	1.0	1.0	
DATE SAMPLED	9/26/2024	10/4/2024	10/4/2024	10/4/2024	10/4/2024	10/4/2024	
WORK ORDER NO.	24I0706	24J0139	24J0139	24J0139	24J0139	24J0139	
PARAMETER (Units)[2]							
Polychlorinated Biphenyls by EPA Method 8082A (mg/kg)							
PCB-1016	BRL<0.061	BRL<0.067	BRL<0.069	BRL<0.059	BRL<0.061	BRL<0.060	NE
PCB-1221	BRL<0.061	BRL<0.067	BRL<0.069	BRL<0.059	BRL<0.061	BRL<0.060	NE
PCB-1232	BRL<0.061	BRL<0.067	BRL<0.069	BRL<0.059	BRL<0.061	BRL<0.060	NE
PCB-1242	BRL<0.061	BRL<0.067	BRL<0.069	BRL<0.059	BRL<0.061	BRL<0.060	NE
PCB-1248	BRL<0.061	BRL<0.067	BRL<0.069	BRL<0.059	BRL<0.061	BRL<0.060	NE
PCB-1254	BRL<0.061	BRL<0.067	BRL<0.069	BRL<0.059	BRL<0.061	BRL<0.060	NE
PCB-1260	BRL<0.061	**0.095**	**0.14**	**0.17**	BRL<0.061	BRL<0.060	NE
PCB-1262	BRL<0.061	BRL<0.067	BRL<0.069	BRL<0.059	BRL<0.061	BRL<0.060	NE
PCB-1268	BRL<0.061	BRL<0.067	BRL<0.069	BRL<0.059	BRL<0.061	BRL<0.060	NE
Total PCBs	BRL	**0.095**	**0.14**	**0.17**	BRL	BRL	0.5
Total Solids (%) by Standard Method 2540G	82	73	72	84	81	82	NE

NOTES:
1. Analytical results compared to Connecticut Remediation Standard Regulations (January 1996; revised February 16, 2021).
2. Only compounds that were detected are provided in this table. For a complete list of analytes refer to laboratory report.
3. A cleanup standard of 0.5 mg/kg was established for this project to comply with TSCA regulations, CTDEEP RSR criteria, and per a July 21, 2022 CTDEEP interoffice memo prepared following the Department's review of the 2021 SLERA report.

mg/kg = milligrams per kilogram
BOLD = compound detected at that concentration.
BRL < # = Below Reporting Limit (reporting limit specified)
BRL = All compounds below reporting limits
-- = Not Applicable
NE = Not Established by DEEP
RES DEC = Residential Direct Exposure Criteria
I/C DEC = Industrial/Commercial Direct Exposure Criteria
GA PMC = GA Pollutant Mobility Criteria

= Exceeds Target Cleanup Standard

Prepared by: LMW
Reviewed by: JCW

TABLE 7
SUMMARY OF CLEANUP VERIFICATION SEDIMENT SAMPLE ANALYTICAL RESULTS - REMEDIATION AREA 5
27 PARSONS LANE & 105 MIDDLEFIELD ROAD
DURHAM, CONNECTICUT
SEPTEMBER AND OCTOBER 2024

SAMPLE LOCATION	CS-1	CS-2	CS-3	CS-4	CS-5	CS-6	CS-7	CS-8	Target Cleanup Standard[3]
SAMPLE DEPTH (feet)	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	
DATE SAMPLED	9/26/2024	9/26/2024	9/26/2024	9/26/2024	9/26/2024	9/26/2024	9/26/2024	9/26/2024	
WORK ORDER NO.	24I0706	24I0706	24I0706	24I0706	24I0706	24I0706	24I0706	24I0706	
PARAMETER (Units)[2]									
Polychlorinated Biphenyls by EPA Method 8082A (mg/kg)									
PCB-1016	BRL<0.060	BRL<0.066	BRL<0.065	BRL<0.062	BRL<0.061	BRL<0.059	BRL<0.060	BRL<0.060	NE
PCB-1221	BRL<0.060	BRL<0.066	BRL<0.065	BRL<0.062	BRL<0.061	BRL<0.059	BRL<0.060	BRL<0.060	NE
PCB-1232	BRL<0.060	BRL<0.066	BRL<0.065	BRL<0.062	BRL<0.061	BRL<0.059	BRL<0.060	BRL<0.060	NE
PCB-1242	BRL<0.060	BRL<0.066	BRL<0.065	BRL<0.062	BRL<0.061	BRL<0.059	BRL<0.060	BRL<0.060	NE
PCB-1248	BRL<0.060	BRL<0.066	BRL<0.065	BRL<0.062	BRL<0.061	BRL<0.059	BRL<0.060	BRL<0.060	NE
PCB-1254	BRL<0.060	BRL<0.066	BRL<0.065	BRL<0.062	BRL<0.061	BRL<0.059	BRL<0.060	BRL<0.060	NE
PCB-1260	BRL<0.060	BRL<0.066	BRL<0.065	BRL<0.062	BRL<0.061	BRL<0.059	BRL<0.060	BRL<0.060	NE
PCB-1262	BRL<0.060	BRL<0.066	BRL<0.065	BRL<0.062	BRL<0.061	BRL<0.059	BRL<0.060	BRL<0.060	NE
PCB-1268	BRL<0.060	BRL<0.066	BRL<0.065	BRL<0.062	BRL<0.061	BRL<0.059	BRL<0.060	BRL<0.060	NE
Total PCBs	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	0.5
Total Solids (%) by Standard Method 2540G	83	76	77	81	82	85	83	84	NE

NOTES:
1. Analytical results compared to Connecticut Remediation Standard Regulations (January 1996; revised February 16, 2021).
2. Only compounds that were detected are provided in this table. For a complete list of analytes refer to laboratory report.
3. A cleanup standard of 0.5 mg/kg was established for this project to comply with TSCA regulations, CTDEEP RSR criteria, and per a July 21, 2022 CTDEEP interoffice memo prepared following the Department's review of the 2021 SLERA report.

mg/kg = milligrams per kilogram
BOLD = compound detected at that concentration.
BRL < # = Below Reporting Limit (reporting limit specified)
BRL = All compounds below reporting limits
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NE = Not Established by DEEP
RES DEC = Residential Direct Exposure Criteria
I/C DEC = Industrial/Commercial Direct Exposure Criteria
GA PMC = GA Pollutant Mobility Criteria
= Exceeds Target Cleanup Standard

Prepared by: LMW
Reviewed by: JCW

APPENDIX A

Interim Remedial Action Report (IRAR)

Weston & Sampson

westonandsampson.com

273 Dividend Road
Rocky Hill, CT 06067
tel: 860.513.1473

REPORT



May 2019

Eversource Energy

27 Parsons Lane Sampling Report
Durham, Connecticut
Eversource Spill Number CWC-18-00543



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PARSONS LANE INTERIM REMEDIAL ACTION REPORT

EXECUTIVE SUMMARY

On October 19, 2018, The Connecticut Light and Power Company dba Eversource Energy (Eversource) responded to a release of mineral oil dielectric fluid (MODF) at 27 Parsons Lane in Durham, Connecticut (the Site). A broken pole caused a bank of three customer-owned pole-mounted transformers to fall onto the roof of an industrial/commercial building. The impact caused a puncture through the roof and one unit released most of its oil content into a restroom/utility room inside the building. The MODF impacted the concrete floor, roof materials, and the exterior of four well-water pressure tanks within the room. The MODF also migrated to three floor drains. The property owner's contractors disconnected the transformers from the broken pole and placed them on the ground outside the building. The primary bushings from the two undamaged transformers were subsequently removed, purportedly by vandals, causing these transformers to release their oil contents impacting the lawn "courtyard area" and a nearby catch basin. The total quantity of oil released from this incident was reported as approximately 100 gallons with approximately 33 gallons released inside the building and approximately 66 gallons released outside in the courtyard area.

On behalf of Eversource, Weston & Sampson Engineers, Inc. (Weston & Sampson) prepared this report summarizing the response/remedial actions and the results of sampling performed by Eversource and Weston & Sampson. A summary of the response/remedial actions and analytical results from the sampling is provided below in chronological order.

- Eversource retained Clean Harbors Environmental Services (CHES) to perform initial response/remedial actions at the Site under the supervision of Eversource personnel. Their work occurred between October 19 and 22, 2018, and included the following actions:
    - Removal and off-site storage of the three transformers;
    - Removal of impacted roofing debris from inside the building which was placed in a roll-off container for proper off-site disposal;
    - Decontamination triple-washing of the concrete floor and pressure tanks by washing three times with a detergent solution and then water;
    - Decontamination of the drains in the restroom/utility room with a detergent solution and water that was captured by absorbent booms that were subsequently removed and properly disposed off-site;
    - Collection of aqueous decontamination wastes (i.e., detergent solution and water) and proper off-site disposal;
    - Placement of oil-absorbent booms in an intermittent water course located on the western abutting property; and
    - Excavation of soil within a lawn "courtyard area" where the incident occurred and proper off-site disposal.
- Eversource collected the following samples concurrent with the initial response/remedial actions completed by CHES between October 19 and 22, 2018:
    - The contents of the three transformers were sampled and tested for polychlorinated biphenyls (PCBs). Two transformers had some trace residual oil remaining, and the third transformer contained rainwater accumulated from a previous rain event. Analysis of the two oil samples identified total PCB concentrations of 210 and 230 milligrams per

kilogram (mg/kg) of Aroclor 1254. The water sample had a PCB concentration of 0.11 milligrams per liter (mg/L) of Aroclor 1254.

- Oil was found in two floor drains located in the restroom/utility room area and subsequently sampled and tested for PCBs. The analyses identified total PCB concentrations of 16 mg/kg of Aroclor 1254 in both samples.
- A well water sample was collected from a sink tap in the restroom/utility room area and tested for PCBs and extractable total petroleum hydrocarbons (ETPH). The results revealed PCBs were not detected with a reporting limit of 0.20 micrograms per liter (µg/L) and ETPH was detected at 0.11 mg/L.
- Seven aqueous or sediment samples were collected from seven exterior manholes or catch basins associated with Site septic or stormwater drainage features. Sediment samples were collected when found in the manhole and water samples were collected when no sediments were found. Each of the samples were analyzed for PCBs, and select samples were analyzed for ETPH. PCBs were not detected in any of the samples and reporting limits for these results were less than 0.20 mg/kg for sediments and less than 0.27 µg/L for water. The one sediment sample tested for ETPH (MH2) had a concentration of 8,100 mg/kg and the three aqueous samples tested for ETPH had concentrations ranging from 1.3 to 7.8 mg/L.

- Eversource collected thirty-three cleanup verification soil samples from the soil excavation in the lawn "courtyard area" between October 22 and 24, 2018 and submitted them to the laboratory to be tested for PCBs. Grid sampling was performed following Subpart O procedures under Title 40 CFR Section 761.61(b). PCBs were detected in only six of the verification samples with a maximum concentration of 2.5 mg/kg. Laboratory reporting limits for all samples that were non-detect for PCBs were less than 0.11 mg/kg.
- Weston & Sampson collected the following samples at the Site on October 25, 2018:
  - Three samples were collected from the exterior roofing pea gravel located in the area where the transformers fell and punctured the building rooftop and tested for PCBs. Aroclor 1254 was detected in one of the three samples at a concentration of 0.097 mg/kg and PCBs were not detected in the other samples (reporting limits less than 0.077 mg/kg).
  - Nine concrete samples were collected from the concrete floor in the restroom/utility room and tested for PCBs. PCBs were detected in six of the concrete samples, and all samples with detected concentrations were below 1 mg/kg total PCBs. Laboratory reporting limits for all samples that were non-detect for PCBs were less than 0.095 mg/kg.
  - Three concrete samples were collected from a section of the exposed building foundation wall and footing located at the soil excavation limits in the "courtyard area" and tested for PCBs for verification purposes. PCBs were detected in one of the samples at 0.12 mg/kg and the reporting limits for the other two samples were less than 0.090 mg/kg.
- Weston & Sampson conducted a file review at the Durham Town Hall and CT DEEP file room to gather information about the Site's stormwater drainage features, building floor drains, and septic features on October 30 and November 1, 2018. Stormwater drainage from the paved parking lot area on the northeastern side of the Site discharges via a 12-inch (in.) RCP to an intermittent water course flowing on the westerly abutting property. There is evidence of three

septic tanks and two leach fields located on the western side of the Site. The current septic leach fields appear to have replaced an older leach field in the same general area.

- Eversource retained CHES to return to the Site on November 8, 2018 to perform additional soil excavation in the lawn "courtyard area" to address two verification sample locations that exhibited PCB concentrations approaching or exceeding 1 mg/kg. The soil removal activities were performed under the supervision of Eversource personnel.
- On November 8, 2018, both Eversource and Weston & Sampson conducted the following Site activities that are summarized below:
    - Upon completion of the additional soil excavation work described above, Eversource collected five additional cleanup verification soil samples from the new excavation area on November 8, 2018 and submitted them to the laboratory to be tested for PCBs. Grid sampling was performed following Subpart O procedures under Title 40 CFR Section 761.61(b). PCBs were not detected in any of the new verification samples. Laboratory reporting limits for all samples that were non-detect for PCBs were less than 0.097 mg/kg.
    - Weston & Sampson performed dye testing activities on three floor drains in the restroom/utility room to determine drainage patterns and outfall location(s). Dye test results revealed the floor drains were connected to the catch basin structure that was removed during the soil excavation within the lawn "courtyard area," to the on-Site septic system, and to an 8-inch RCP that directly discharged into the intermittent water course located on the abutting property to the west.
- Weston & Sampson collected the following samples at the Site on November 20, 2018:
    - One septic waste sample was collected from the active septic system and tested for PCBs. The results revealed no detections for PCBs above the method detection limit, and the laboratory reporting limit was less than 0.47 μg/L.
    - One water sample was collected from the effluent discharging out of an 8-inch (in.) RCP and tested for PCBs. PCBs were detected at a concentration of 0.96 μg/L.
    - One sediment sample was collected directly beneath the same 8-in. RCP discussed above and tested for PCBs. PCBs were detected in the sample at a concentration of 3.6 mg/kg.
    - Seven soil samples were collected from around the active septic tank and leach fields and tested for PCBs. PCBs were not detected in any of the soil samples and reporting limits were less than 0.092 mg/kg.
- Weston & Sampson collected twenty-nine sediment samples from the intermittent water course and outfall drainage path created by the 8-inch (in.) reinforced concrete pipe (RCP) on December 5, 2018 and submitted them to the laboratory to be tested for PCBs. The sediment samples were collected along eight transects (one upstream and seven downstream) within the stream path. PCBs were not detected in the upstream transect and reporting limits were less than 0.039 mg/kg. PCBs were detected in the downstream sediments at five of seven transects, and as far downstream as Transect #7 at concentrations ranging from 0.036 to 9.6 mg/kg. However, PCBs were not detected in the furthest downstream transect and reporting limits were less than 0.052 mg/kg at this location. PCB impacts to the intermittent water course require further evaluation but the impacted area has been delineated.

- Weston & Sampson collected nine surface water samples in the intermittent water course from eight sediment sampling transect locations on December 5, 2018 and submitted them to the laboratory to be tested for PCBs. PCBs were not detected in any of the surface water samples and the reporting limits were less than 0.20 ug/L.
- Eversource retained CHES to return to the Site on December 27, 2018 to decontaminate the four well water pressure tanks in the restroom/utility room and the floor beneath and around the four tank locations with a detergent solution. They also re-cleaned the floor in the restroom/utility room for a second time. All work was performed under the supervision of Eversource.
- Upon completion of the tank decontamination activities, Eversource collected twelve wipe samples from the four well water pressure tanks (three wipe samples per tank) on December 27, 2018 and submitted them to the laboratory to be tested for PCBs. PCBs were detected in one sample at a concentration of 0.29 micrograms per wipe (µg/wipe). Laboratory reporting limits for all other wipe samples that were non-detect for PCBs were less than 0.20 µg/wipe.
- Weston & Sampson collected twenty-six concrete samples from the concrete floor in the restroom/utility room on January 9, 2019 and submitted them to the laboratory to be tested for PCBs. The samples were collected following Subpart O sampling procedure under Title 40 CFR Section 761.61(b). PCBs were detected in twenty-two concrete samples, and two samples exhibited concentrations that exceeded 1 mg/kg total PCBs.

Eversource has retained Weston & Sampson to plan and implement a Screening Level Ecological Risk Assessment (SLERA) based upon the results from samples collected from the flow channel that receives discharge from the 8-in. RCP, and from the intermittent water course on the westerly abutting property. The SLERA will specifically address potential ecological risk, including characterizing the nature and extent of any downstream impacts. This work was initiated in April 2019 and is still in progress.

Eversource is also evaluating additional decontamination or remedial efforts to address the floor drains in the restroom/utility room, and the 8-in. RCP on the western side of the Site.

PARSONS LANE INTERIM REMEDIAL ACTION REPORT

1.0 RESPONSE/REMEDIAL ACTIONS

On October 19, 2018, The Connecticut Light and Power Company dba Eversource Energy (Eversource) responded to a release of mineral oil dielectric fluid (MODF) after a utility pole (Utility Pole No. 1309) broke causing a bank of three customer-owned pole-mounted 100 kilovolt-amp (kVA) transformers to fall onto the roof of an industrial/commercial building at 27 Parsons Lane in Durham, Connecticut (the Site). The impact caused a puncture through the roof and one unit released oil into a restroom/utility room, impacting the concrete floor, roof materials, and four well water pressure tanks. The MODF then migrated to three floor drains in the concrete floor. The property owner's contractors disconnected the transformers from the pole and placed them on the ground outside the building. Primary bushings were subsequently removed, purportedly by vandals, from the two undamaged transformers causing additional MODF to be released, subsequently impacting the lawn "courtyard area" and a nearby catch basin. The total quantity of oil released from this incident was reported as approximately 100 gallons with approximately 33 gallons released inside the building and approximately 66 gallons released outside in the courtyard area. Although 100 gallons was reported, the transformers only hold approximately 33 gallons each for a total of 99 gallons.

Eversource provided verbal notification of the release condition to the Connecticut Department of Energy and Environmental Protection (CT DEEP) at 9:00 AM on October 19, 2018. The CT DEEP subsequently assigned case number 2018-05541. At the time of notification, Eversource estimated and reported the volume of MODF released as approximately 35 gallons with an unknown PCB content (assumed 50-500 parts per million (ppm)). The volume released was subsequently updated to approximately 100 gallons.

A Weston and Sampson Licensed Environmental Professional (LEP) visited the Site on October 19, 2018 to assess Site conditions and gather additional information about the spill incident.

Between October 19 and 22, 2018, initial spill cleanup actions at the Site were performed by Clean Harbors Environmental Services (CHES) under the supervision of Eversource personnel. These actions included (1) removal and off-site storage of the three transformers (no oil was drained from these prior to transport), (2) removal of impacted roofing debris from inside the building, (3) triple-washing of the concrete floor and pressure tanks with Simple Green in the restroom/utility room, (4) flushing the drains with Simple Green and water in the restroom/utility room, (5) placement of oil-absorbent booms in an intermittent water course located on the western abutting property, and (6) soil excavation within a lawn "courtyard area" where the incident occurred. The oil-absorbent booms were installed for precautionary purposes even though no oil sheen or odor was observed in the water course. Excavation depths in the "courtyard area" ranged from 6 inches (in.) to 4 feet (ft.) beneath the ground surface (bgs.) The concrete floor beneath and behind the pressure tanks and the back-side of the tanks could not be decontaminated during these cleanup actions because accessing these areas required moving the tanks, moving the tanks required shutting off and disconnecting the building water supply, and prior coordination with the property owner and building tenants was needed. Copies of all manifests associated with these cleanup actions are included in Appendix A.

On November 8, 2018, CHES performed additional soil excavation work in the in the lawn "courtyard area" in response to two verification sample locations (S14 and S29) exhibiting PCB concentrations approaching or exceeding 1 mg/kg. Eversource personnel performed oversight and cleanup verification sampling for these activities.

Based upon detection of PCBs in a November 20, 2018 water sample collected from an 8-inch reinforced concrete pipe (RCP) that discharges into an intermittent water course, assessment of this water course began on December 5, 2018. On December 6, 2018 at 4:12 PM, Eversource provided email notification to Environmental Protection Agency Region 1 regarding the potential release condition

to a waterway. Based upon the results of samples collected within the water course, a Screening Ecological Risk Assessment is being initiated in 2019.

On December 27, 2018, the building water supply system was temporarily shut off and the four well water pressure tanks in the restroom/utility room were disconnected and turned over to CHES to be decontaminated by triple-washing with Simple Green. CHES also triple-washed the floor beneath and around the four tank locations and re-cleaned the floor in the restroom/utility room for a second time. The cinder blocks that supported the pressure tanks and the old copper piping connected to the pressure tanks were disposed off-site as a PCB-waste. After the decontamination work was completed, the tanks were relocated to a new area outside of the spill incident area and new copper piping was used to reconnect the pressure tanks. All work was performed under the supervision of Eversource.

On February 11, 2019, CHES returned to the Site to decontaminate the concrete floor in the restroom/utility for a third time based on the floor sampling activities completed on January 9, 2019. The decontamination activities were performed under the supervision of Eversource.

2.0 INVESTIGATION AND SAMPLING ACTIVITIES

On October 19, 2018, Eversource collected the following samples for analytical testing as part of their initiation of response actions:

- The contents of the three transformers, two transformers containing trace residual oil, and one transformer containing rainwater accumulated from previous rain events were all sampled. The two oil samples were assigned sample ID's "67H10124" and "67J8113," and the water sample was assigned sample ID "67J8112."
- Two floor drains located in the restroom area were found containing oil and sampled. The two floor drain samples were assigned sample ID's "Floor Drain 1" and "Floor Drain 2."
- A well water sample was collected from a sink tap in the restroom/utility room area. No oil sheen or odor was noted in the collected sample. The well water sample was assigned sample ID "Well Water."
- Four aqueous and one sediment sample from five exterior manholes located near the release area were collected. The manholes are related to the Site septic or storm water conveyance system. These samples were assigned sample ID's "MH1" through "MH5."

On October 22 and 24, 2018, Eversource collected the following samples for analytical testing following completion of the initial cleanup actions completed by CHES:

- Sediment from a 6th exterior manhole and a water sample from a catch basin located near the release area were sampled. Both structures are related to Site septic and storm water conveyance systems. These samples were assigned sample ID's "MH6" and "CB1."
- Thirty-three cleanup verification soil samples were collected from the soil excavation in the lawn "courtyard area." These samples were assigned sample ID's "S1" through "S31," "S10 Duplicate," and "S30 Duplicate."

On October 25, 2018, Weston and Sampson collected three samples of the pea gravel from the building roof where the transformers impacted the rooftop, eight concrete core-bore samples from random areas of the triple-washed concrete floor in the restroom/utility room, and three concrete core-bore samples from a section of exposed building foundation wall and footing located in the "courtyard area" soil excavation. The pea gravel roof samples were assigned sample ID's "R-1" through "R-3," the concrete core-bore samples from the concrete floor in the restroom/utility room were assigned sample ID's "C-1" through "C-8" and "DUP-1," and the concrete core-bore samples from the building foundation wall and footing were assigned sample ID's "C-32" through "C-34."

On October 30 and November 1, 2018, Weston & Sampson conducted a file review at the Durham Town Hall and CT DEEP file room to gather information about the Site's stormwater drainage features, building floor drains, and septic features. Limited information and plans were found on both stormwater drainage and septic features, but no information was found regarding the building floor drains. Stormwater drainage from the paved parking lot area on the northeastern side of the Site discharges via a 12-inch (in.) RCP to an intermittent water course flowing on the westerly abutting property. No additional information was found regarding stormwater drainage, including the catch basin structure removed from the soil excavation within the lawn "courtyard area." With regards to septic usage, the file review showed evidence of three septic tanks and two leach fields located on the western side of the Site. The current septic leach fields also replaced an older leach field in the same general area. File review information is provided in Appendix B.

On November 8, 2018, both Eversource and Weston & Sampson conducted Site activities summarized below:

- Eversource performed supplemental cleanup verification soil sampling activities after additional PCB impacted soils were removed from the lawn "courtyard area." The soil removal work was focused on previous verification sample locations S14 and S29 which exhibited PCB concentrations approaching or exceeding 1 mg/kg. Four (new) verification samples were collected and assigned sample ID's "SB32" through "SB35."
- Weston & Sampson performed dye testing activities on three floor drains in the restroom/utility room to determine drainage patterns and outfall location(s). Test results revealed the floor drains were connected to the catch basin structure that was removed during the soil excavation within the lawn "courtyard area," to the on-Site septic system, and to an 8-in. RCP that directly discharged into the intermittent water course located on the abutting property to the west.

On November 20, 2018, Weston & Sampson collected a second sample from the active septic tank; Eversource previously collected a sample from the same tank on October 19, 2018. Weston & Sampson also collected a sample from water discharging out of the 8-in. RCP, and from sediment directly below the pipe outfall. The septic sample was assigned sample ID "SP-1," the water sample was assigned sample ID "SW-1," and the sediment sample was assigned sample ID "SD-1."

Weston & Sampson's sampling activities on November 20, 2018 also included collection of subsurface soil samples around the active septic tank and two leach fields. Samples were collected at the bottom depth of the tank and leach fields which was determined to be between 6 to 7 ft. bgs. based on observed Site conditions and file review information discussed above. Seven soil samples were collected and assigned sample ID's "GP-1" through "GP-6" and "DUP-4."

On December 5, 2018, Weston & Sampson performed stream assessment activities on the intermittent water course flowing on the westerly abutting property. The sampling activities were completed based on the previous sampling activities completed on November 20, 2018 that showed detections of PCBs in the water sample discharging out of the 8-in. RCP and from sediment directly below the pipe outfall. A total of twenty-nine sediment and nine surface water samples were collected for analytical testing. Three sediment samples were collected in the dried-up flow channel between the pipe outfall to the unnamed water course located adjacent to the Site. The sample IDs were assigned "Outfal-1," "Outfal-2" and "Outfal-3," and they were spaced less than five feet apart within the channel to be consistent with Subpart O grid sampling requirements in 40 CFR 761(b). An additional twenty-six sediment and nine surface water samples were collected within the unnamed water course that flows adjacent to the Site at 8 transect locations. Sampling at each transect included collection of three sediment samples and one surface water sample. Sediment samples were collected from the edge of water on both sides of the channel and from the middle of the channel, and surface water samples were collected at the midpoint of the stream channel. Transect #1 was a background sample located upstream of where the dried-up flow channel empties into the unnamed water course. Transects #2, #3 and #4 were placed at approximate 5-ft. intervals downstream of the confluence of where the dried-up flow channel empties into the unnamed water course. The approximate 5-ft. spacing was designed according to Subpart O grid sampling in 40 CFR 761(b). Transects #4 through #7 were placed downstream of Transect #3 at locations where (1) oil sheens were observed, (2) obstructions in the stream could have collected oil, or (3) where sharp bends existed in the unnamed water course where oil may have accumulated. Transect #8 was the furthest downstream location that was more than a ½-mile away. Two blind duplicate sediment samples and one blind duplicate surface water sample was collected for quality assurance/quality control (QA/QC) purposes. The transect sediment samples were assigned sample

ID's "T1" through "T8," and they were also given an "E" (East), "W" (West) or "C" (Center) designation to further describe the sampling location. The duplicate sediment samples were designated sample ID's "DUP-SE1" and "DUP-SE2." CT DEEP requested a reporting limit of 0.1 mg/kg for the sediment PCB analyses to satisfy CT DEEP requests to evaluate for ecological screening levels. The surface water samples were assigned sample ID's "T1-SW" through "T8-SW" and "DUP-SW."

On December 27, 2018, Eversource collected twelve wipe samples from the four decontaminated well water pressure tanks. Three wipe samples were collected from the top, middle and bottom of each tank. The wipe samples were assigned sample ID's "Tank 1" through "Tank 4," and they were also given an "Top," "Middle" or "Bottom" designation to further describe the sampling location.

On January 9, 2019, Weston & Sampson returned to the Site to perform additional concrete floor sampling activities in the restroom/utility room. Sampling activities were performed in accordance with Subpart O requirements under Title 40 CFR Section 761.61(b), and the grid sampling was designed to incorporate the previous eight sampling locations performed on the floor on October 25, 2018. Twenty-five concrete new core-bore samples were collected and assigned sample ID's "C-9" through "C-31," "DUP-2" and "DUP-3."

On February 11, 2019, after CHES decontaminated the concrete floor in the restroom/utility room for a third time, Weston & Sampson performed limited concrete floor sampling activities at the two specific locations that exhibited PCB concentrations above 1 mg/kg identified from activities completed on January 9, 2019. Sampling was performed in accordance with Subpart O requirements under Title 40 CFR Section 761.61(b). Two new concrete core-bore samples were collected at the same two locations and assigned sample ID's "C-21A" and "C-24A."

Weston & Sampson has been retained to implement a Screening Level Ecological Risk Assessment (SLERA) on the intermittent water course flowing on the westerly abutting property because previous sampling has indicated that the oil spill has impacted the water course. This SLERA will specifically address potential ecological risk, including characterizing the nature and extent of any downstream impacts. This work was initiated in April 2019 but is not yet complete.

2.1 Analytical Results - Eversource Samples

Between October 19 and December 27, 2018 Eversource collected a well water sample from a sink tap in the restroom/utility room area with the pressure tanks, seven aqueous or sediment samples from seven nearby exterior manholes or catch basins associated with Site septic or stormwater drainage features, thirty-seven cleanup verification soil samples were collected from the soil excavation in the lawn "courtyard area," and twelve wipe samples from the four well water pressure tanks. All samples were submitted to Con-Test Analytical Laboratory (Con-Test) in East Longmeadow, Massachusetts, a Connecticut-certified laboratory, for PCB analysis by Environmental Protection Agency (EPA) Method 8082. The PCB analyses on all solid matrices were performed using soxhlet extraction. The well water sample and four of the manhole samples were also analyzed for ETPH. Sample locations are shown on Figures 3 and 4 and the data are summarized in Tables 1 through 6. Analytical data reports are provided in Appendix C.

2.1.1 Transformer Oil and Water Samples

Analysis of the oil samples collected from the two transformers that contained oil (sample ID's "67H10124" and "67J8113") revealed total PCB concentrations of 210 and 230 milligrams per kilogram (mg/kg). Analysis of the water sample collected from the third transformer containing rainwater (sample ID "67J8112") revealed a PCB concentration of 0.11 milligrams per liter (mg/L). The PCB type in all three

samples was Aroclor 1254. Based on the oil results, Eversource subsequently presumed the rainwater-filled transformer also contained oil with a PCB concentration of 230 mg/kg.

2.1.2 Floor Drain Samples

Analysis of the floor drain oil samples (sample ID's "Floor Drain 1" and "Floor Drain 2") revealed total PCB concentrations of 16 mg/kg in both samples, and the PCB type was Aroclor 1254.

2.1.3 Well Water Sample

Analysis of the water sample (sample ID "Well Water") revealed no detections for PCBs above the method detection limit, and an ETPH detection of 0.11 mg/L.

2.1.4 Exterior Manhole or Catch Basin Samples

Analysis of the manhole samples (sample ID's "MH1" through "MH6" and "CB1") revealed no detections of PCBs above the method detection limit in any sample. ETPH was detected in samples MH1 (7.8 milligrams per liter [mg/L]), MH2 (8,100 mg/kg), MH4 (4.5 mg/L), and MH5 (1.3 mg/L).

2.1.5 Post Excavation Soil Samples

Analysis of the post excavation soil samples (sample ID's "S1" through "S31", "SB32" through "SB34," "S10 Duplicate," and "S30 Duplicate") revealed six samples ("S10," "S10 Duplicate," "S14," "S29," "S30" and "S31") with PCB detections ranging from 0.11 ppm to 2.5 ppm. Aroclor 1254 was the PCB type reported in the six samples with detections, and S14 also had a trace detection of Aroclor 1260 reported. Remediation of soils corresponding to verification samples "S14" and "S29" was completed on November 8, 2018 by CHES.

2.1.6 Wipe Sample Analytical Results

Analysis of the wipe samples (sample ID's "Tank 1" through "Tank 4", with "Top," "Middle" or "Bottom" designations) revealed one sample (Tank 1 Bottom) with a PCB detection of 0.29 μg/wipe. PCBs were not detected in the remaining wipe samples collected.

2.2 Analytical Results - Weston & Sampson Samples

Between October 25 and February 11, 2018, Weston & Sampson collected three samples of the building roofing pea gravel where the transformers impacted the rooftop, thirty-six concrete core-bore samples from the concrete floor in the restroom/utility room, three concrete core-bore samples from a section of exposed building foundation wall and footing located in the "courtyard area" soil excavation, a septic waste sample, seven soil samples from around a septic tank and leach field, one water sample discharging out of an 8-in. RCP, a sediment sample directly beneath the 8-in. RCP, twenty-nine stream sediment samples, and nine stream surface water samples. All samples except for the septic sample were submitted to Con-Test in East Longmeadow, Massachusetts, a Connecticut-certified laboratory, for PCB analysis by EPA Method 8082. The septic sample was analyzed by Phoenix Environmental Laboratory, Inc. in Manchester, Connecticut, also a Connecticut-certified laboratory, because Con-Test does not test septic samples. The PCB analyses on all solid matrices were performed using soxhlet extraction. Sample locations are shown on Figures 3, and 5 through 9 and the data are summarized in Tables 7 through 14. Analytical data reports are provided in Appendix C.

2.2.1 Roof Pea Gravel Analytical Results

Analysis of the three pea gravel roof samples (sample ID's "R-1," "R-2" and R-3") revealed one sample ("R-1") with a total PCB concentration of 0.097 mg/kg, and the PCB type was Aroclor 1254.

2.2.2 Concrete Analytical Results - Restroom/Utility Room

Analysis of the thirty-six concrete core-bore samples (sample ID's "C-1" through "C-31," and "DUP-1" through "DUP-3") revealed 30 samples with detectable concentrations of PCBs, and 2 samples ("C-21" and "C-24") with total PCB concentration exceeding 1 mg/kg. Two PCB types were also detected in the concrete samples, including Aroclor 1254 and Aroclor 1260. CHES performed additional decontamination efforts in the restroom/utility room area and re-testing of at these two sample locations ("C-21A" and "C-24A") shows reduced total PCB concentrations of 0.39 mg/kg and 0.35 mg/kg, respectively.

2.2.3 Concrete Analytical Results – Exterior Building Foundation Wall and Footing

Analysis of the three foundation wall and footing samples located in the "courtyard area" soil excavation (sample ID's "C-32" through "C-34" revealed 1 sample ("C-33") with a total concentration of 0.12 mg/kg, and the PCB type was Aroclor 1254.

2.2.4 Septic Analytical Results

Analysis of the septic sample (sample ID "SP-1") revealed no detections for PCBs above the method detection limit.

2.2.5 Soil Analytical Results - Active Septic Tank and 2 Leaching Fields

Analysis of the seven soil samples from around the septic tank and leach field (sample ID's "GP-1" through "GP-6" and "DUP-4") revealed no PCB detections in any of the samples.

2.2.6 Water Sample Analytical Results - Discharge From 8-in. RCP

Analysis of the water sample from the 8-in. RCP (sample ID "SW-1") revealed PCBs at a concentration of 0.96 micrograms per liter (μg/L).

2.2.7 Sediment Analytical Results

Analysis of the 30 sediment samples (sample ID's "SD1," "Oufall-1" through "Outfall-3," and transects "T1" through "T8" with "E" [East], "W" [West] or "C" [Center] designations) revealed 13 samples with detectable concentrations of PCBs, 6 samples (sample ID's "SD1," "Outfall-1," "Outfall-2," "Outfall-3," "T2-C" and "T2-E") exhibited total PCB concentration exceeding 1 mg/kg, and the PCB type in all samples with detections was Aroclor 1254.

2.2.8 Surface Water Analytical Results

Analysis of the nine surface water samples (sample ID's "T1-SW" through "T8-SW" and "DUP-SW") revealed no PCB detections in any of the samples.

3.0 DATA QUALITY ASSESSMENT/DATA USABILITY EVALUATION

Samples collected by Eversource and Weston & Sampson were analyzed following the CT DEEP Reasonable Confidence Protocol (RCP). A review of the quality assurance/quality control (QA/QC) data collected as part of the analysis indicates that the sample results are usable for their intended purpose which included:

- Verification of remedial activities; and
- Characterization of potential impacts to environmental media.

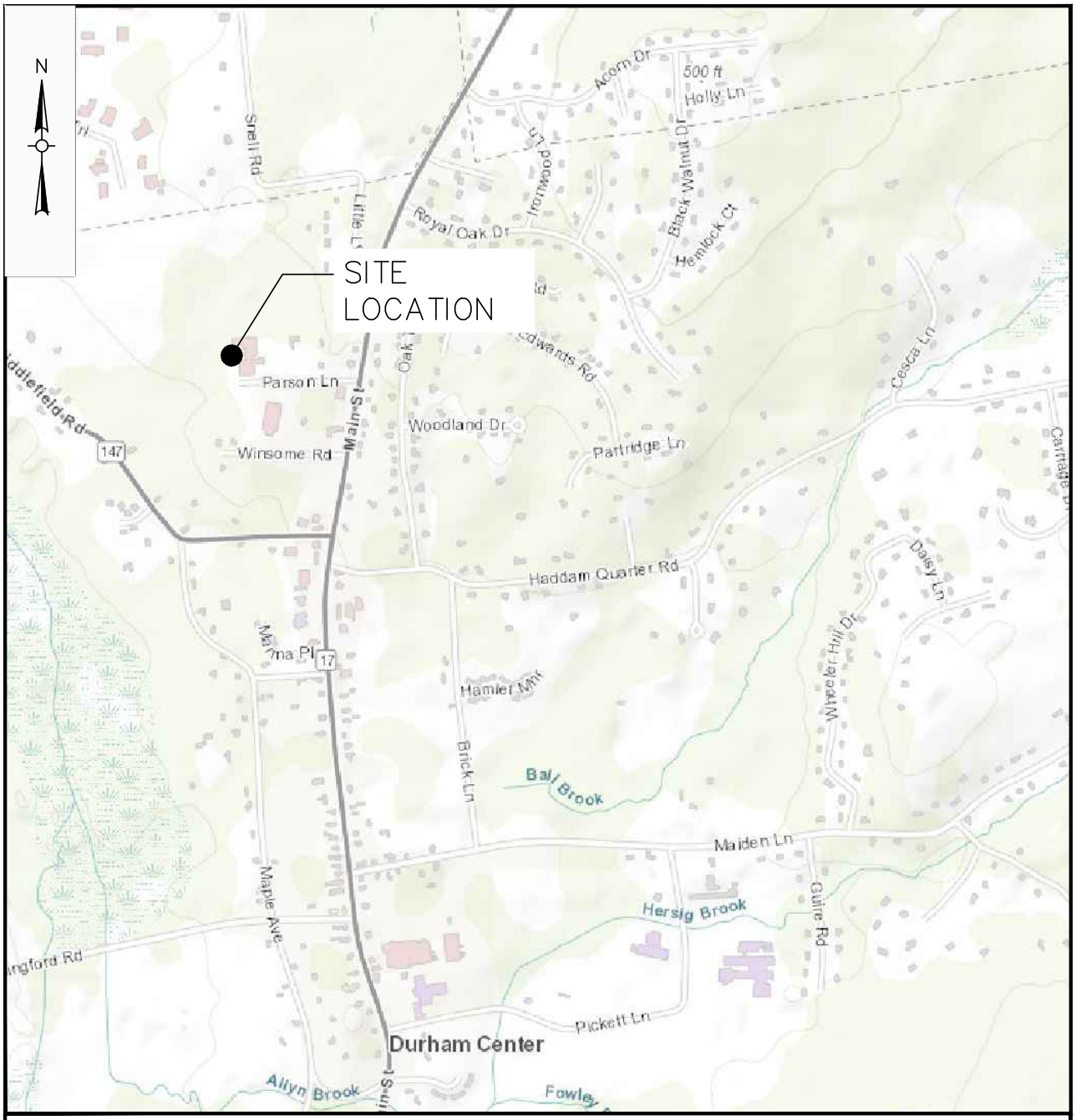
4.0 SUMMARY & CONCLUSIONS

PCB impacts remain at the following areas that will require additional investigation and potential remediation:

- the floor drains in the restroom/utility room;
- the 8-in. RCP on the western side of the Site;
- the flow channel on the western abutting property that receives discharge from the 8-in. RCP; and
- the intermittent water course on the western abutting property that receives discharge from the flow channel.

Eversource maintains the response actions involving the impacted building roofing debris, the concrete floor in the restroom/utility room, the four well water pressure tanks, the area where the property owner's contractors disconnected the transformers and placed them on the ground outside the building, and the Site septic and stormwater drainage features (excluding the 8-in. RCP discussed above) are considered complete to close out these areas and no additional investigation or remedial actions are warranted.

FIGURES



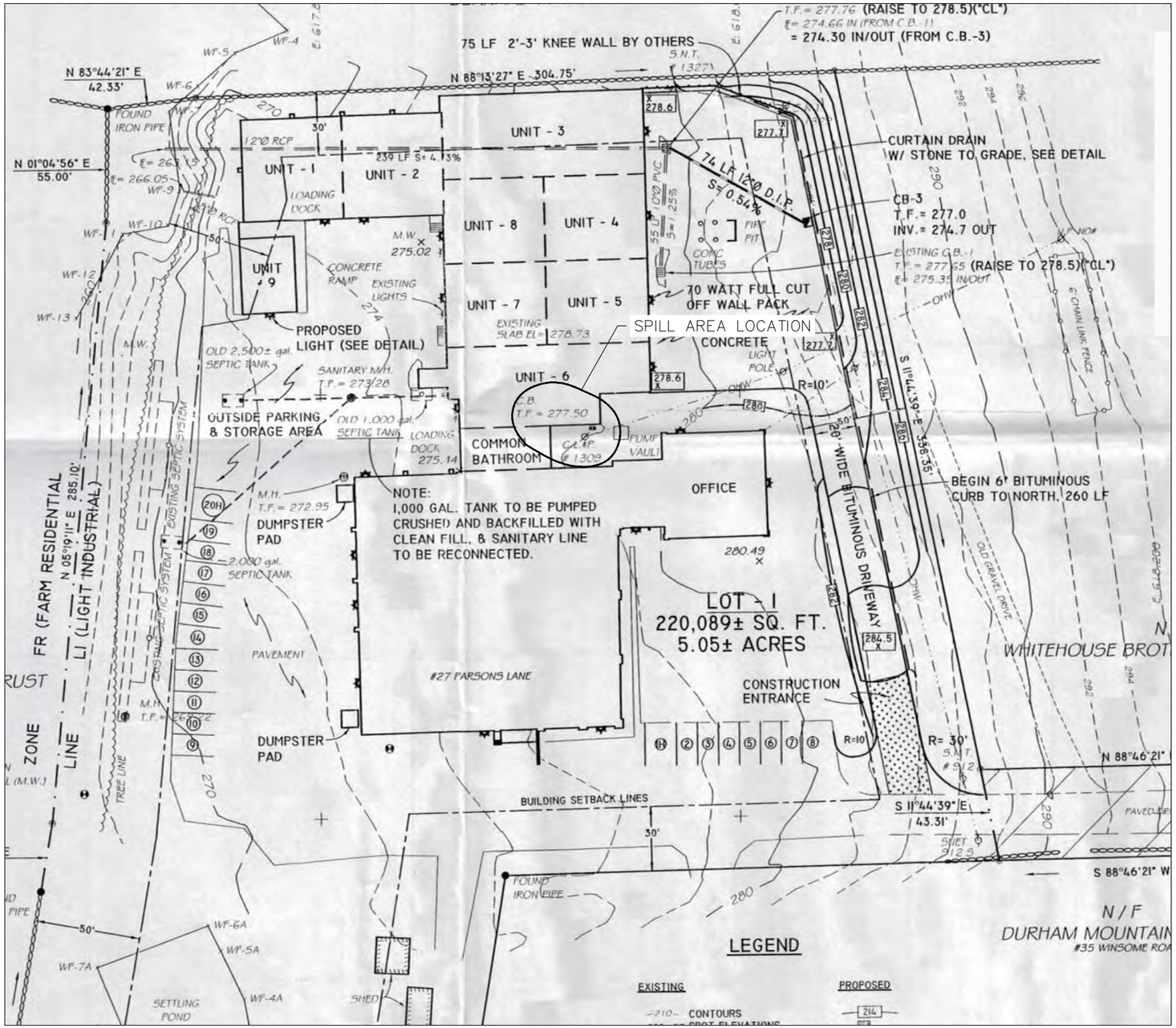
NOTE:

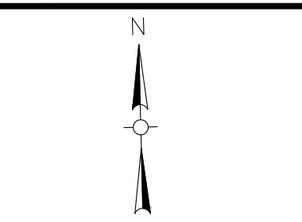
1. LOCUS MAP DERIVED FROM TOWN OF DURHAM GIS DATABASE.

FIGURE 1
EVERSOURCE ENERGY
27 PARSONS LANE EMERGENCY RESPONSE
DURHAM, CT
SITE LOCUS MAP
APRIL 2019 SCALE: NTS

Weston & Sampson

Weston & Sampson





SCALE: 1"=50'

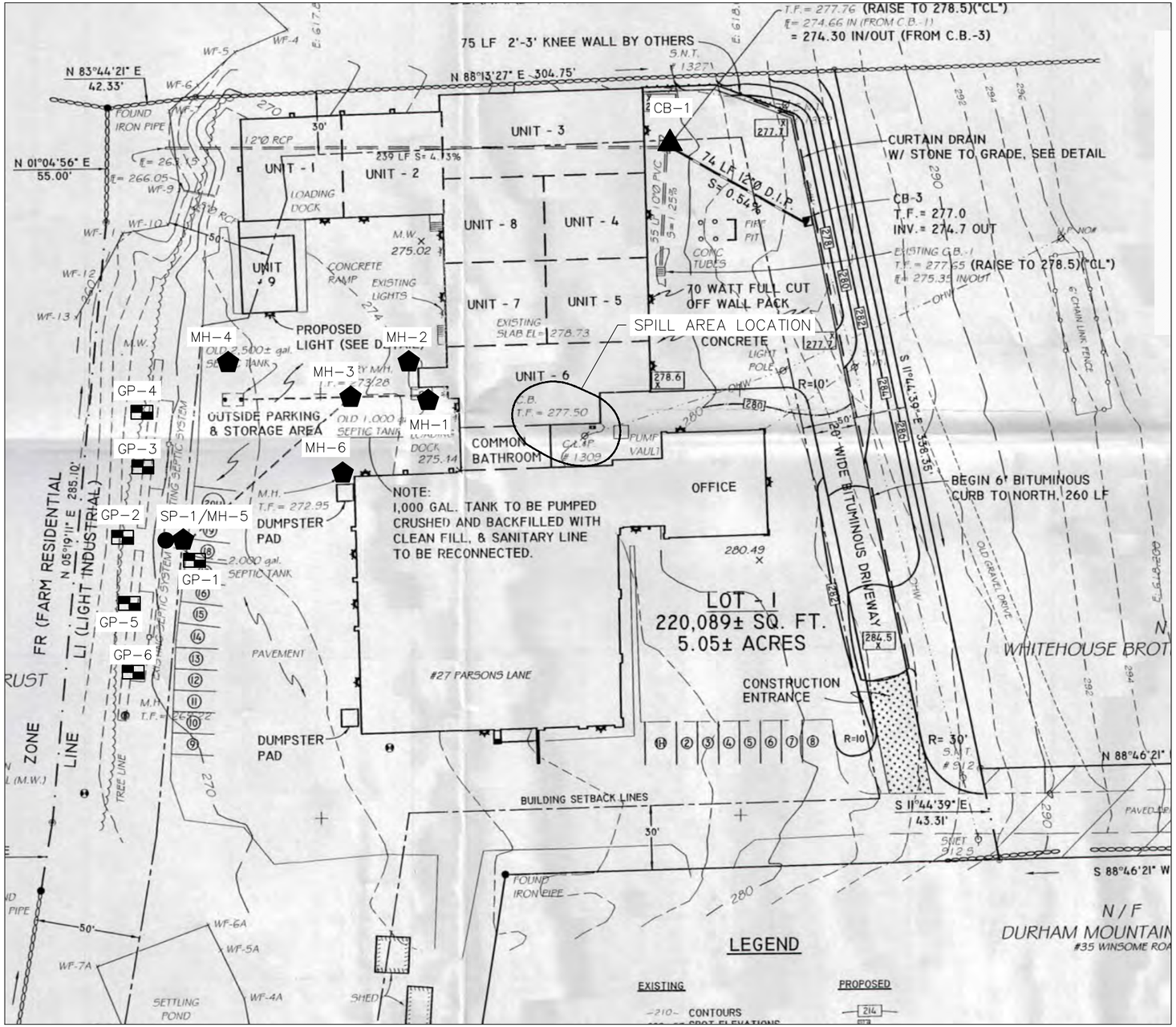
NOTE:

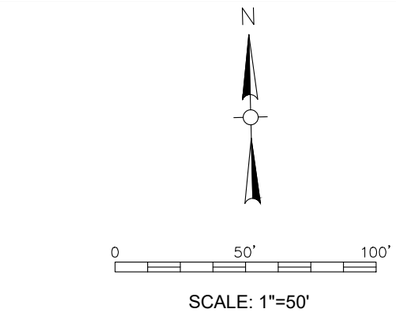
SAMPLE LOCATION PLAN DERIVED FROM THE PARSONS LANE ASSOCIATES, LLC DRAWING TITLED: PARSONS LANE DURHAM, CT SITE DEVELOPMENT PLAN. PREPARED BY BASCOM & BENJAMIN, LLC FEBRUARY 2006. PROJECT # 208-0001. MEASUREMENTS OF EXISTING SITE FEATURES TAKEN IN THE FIELD BY WESTON & SAMPSON. THE LOCATIONS AND DIMENSIONS OF ALL FEATURES ARE APPROXIMATE.

FIGURE 2			
DURHAM, CT - 27 PARSONS LANE INTERIM REMEDIAL ACTION REPORT			
SITE PLAN			
DESIGNED BY: WS	CHECKED BY: JW	DATE: MAY 2019	

Weston & Sampson℠

Weston & Sampson





LEGEND

GP–1	■	SOIL SAMPLE LOCATION
SP–1	●	SEPTIC WATER SAMPLE LOCATION
MH–1	⬟	MANHOLE SAMPLE LOCATION
CB–1	▲	CATCH BASIN SAMPLE LOCATION

NOTE:

SAMPLE LOCATION PLAN DERIVED FROM THE PARSONS LANE ASSOCIATES, LLC DRAWING TITLED: PARSONS LANE DURHAM, CT SITE DEVELOPMENT PLAN. PREPARED BY BASCOM & BENJAMIN, LLC FEBRUARY 2006. PROJECT # 208–0001. MEASUREMENTS OF EXISTING SITE FEATURES TAKEN IN THE FIELD BY WESTON & SAMPSON. THE LOCATIONS AND DIMENSIONS OF ALL FEATURES ARE APPROXIMATE.

FIGURE 3

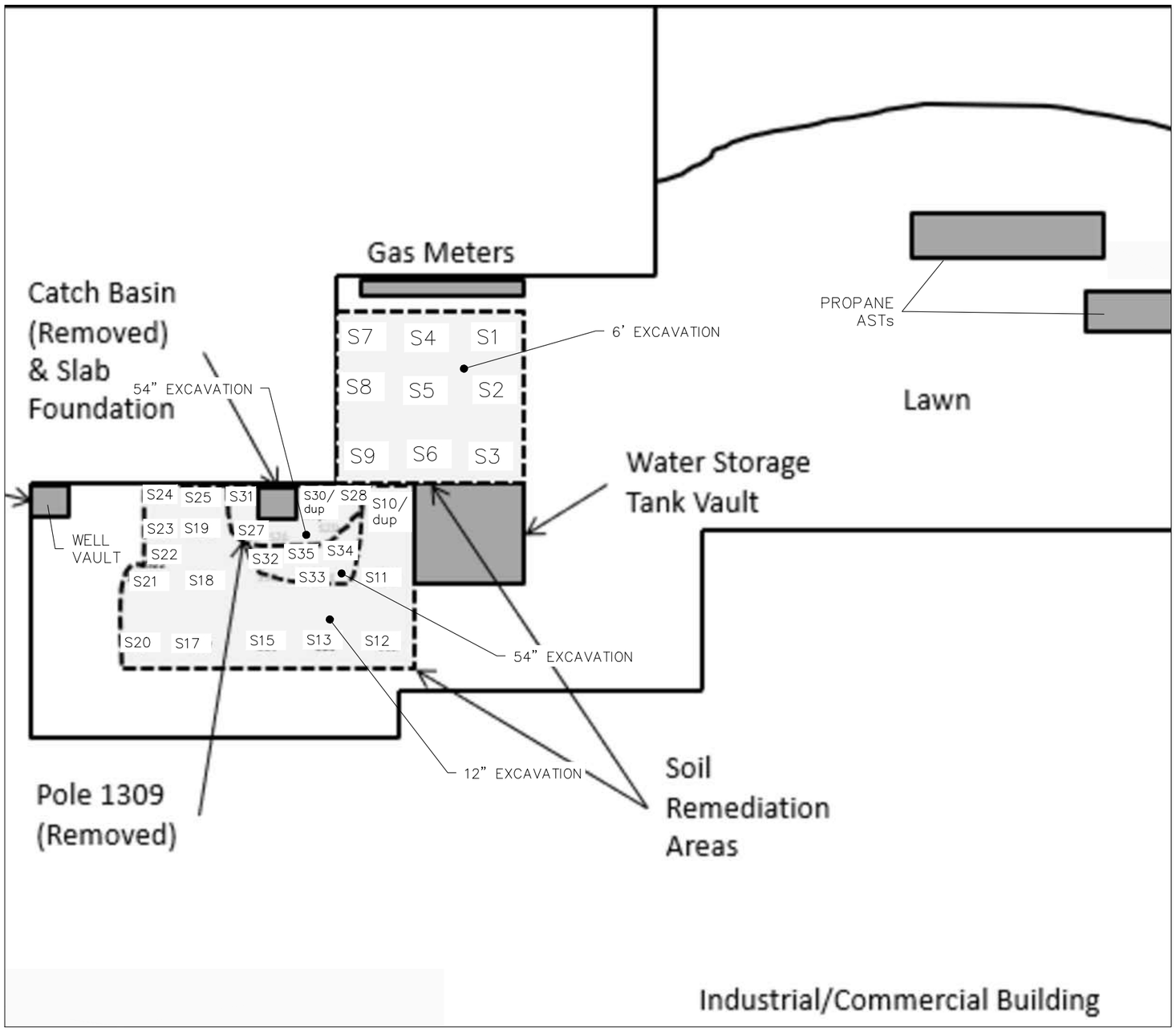
DURHAM, CT - 27 PARSONS LANE
INTERIM REMEDIAL ACTION REPORT

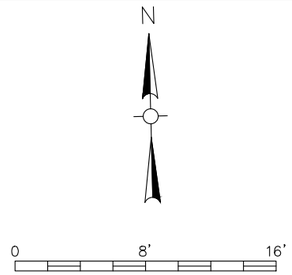
MANHOLE, CATCH BASIN,
SEPTIC WATER AND SOIL SAMPLE LOCATIONS

DESIGNED BY:	WS	CHECKED BY:	JW	DATE:	MAY 2019

Weston & Sampson℠

Weston & Sampson





SCALE: 1"=8'

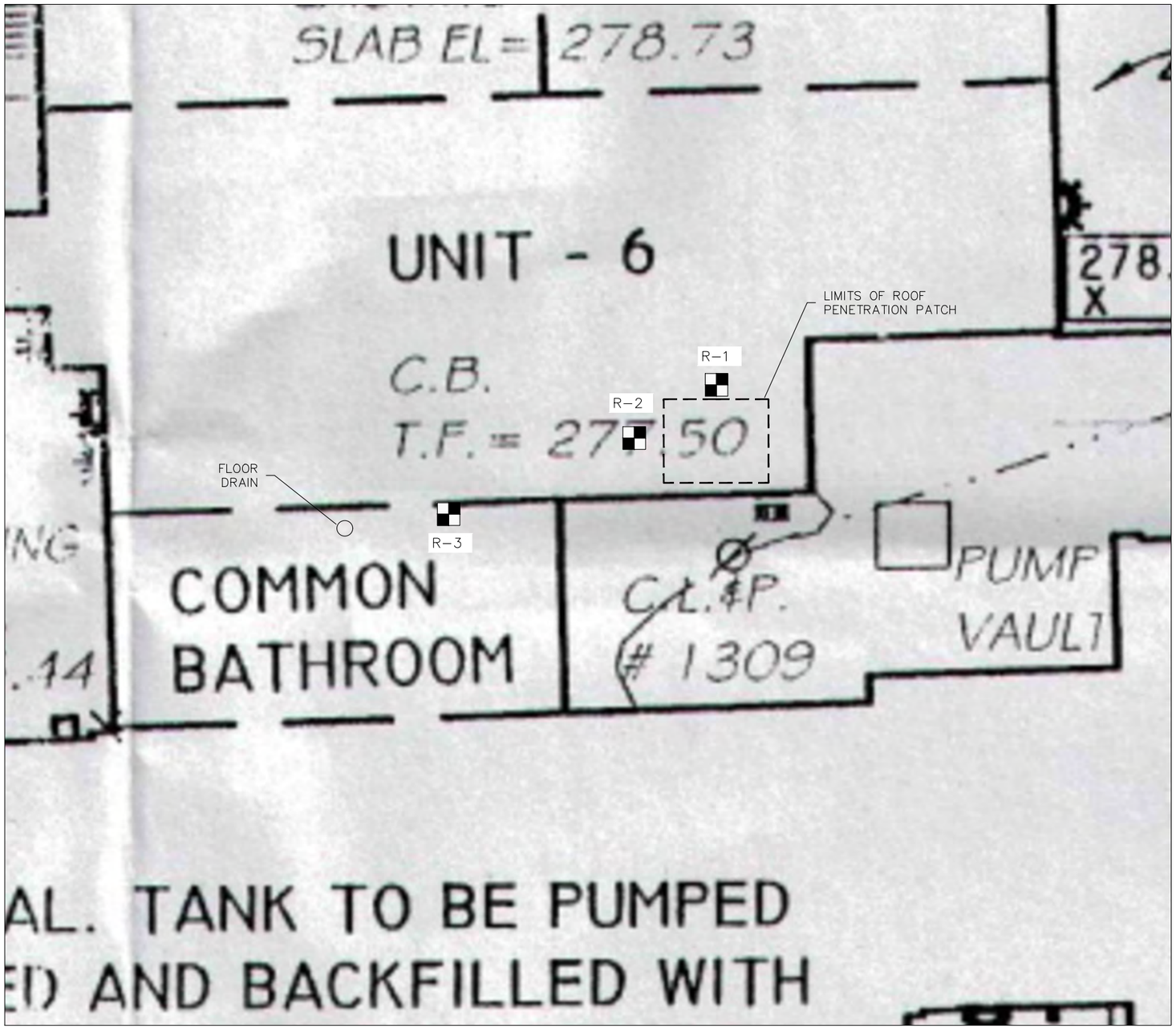
NOTES:

SAMPLE LOCATION PLAN PROVIDED BY EVERSOURCE ENERGY. MEASUREMENTS OF EXISTING SITE FEATURES TAKEN IN THE FIELD BY EVERSOURCE ENERGY. THE LOCATIONS AND DIMENSIONS OF ALL FEATURES ARE APPROXIMATE.

SAMPLES S14, S16, S26 AND S29 WERE REMOVED DURING RE-DIG EFFORTS TO ADDRESS EXCEEDANCES.

FIGURE 4			
DURHAM, CT - 27 PARSONS LANE INTERIM REMEDIAL ACTION REPORT			
POST EXCAVATION SOIL SAMPLE LOCATIONS			
DESIGNED BY: WS	CHECKED BY: JW	DATE: MAY 2019	
Weston & Sampson			

Weston & Sampson



N

0 10' 20'

SCALE: 1"=10'

LEGEND

R-1 ROOF PEA GRAVEL SAMPLE LOCATION

NOTE:

SAMPLE LOCATION PLAN DERIVED FROM THE PARSONS LANE ASSOCIATES, LLC DRAWING TITLED: PARSONS LANE DURHAM, CT SITE DEVELOPMENT PLAN. PREPARED BY BASCOM & BENJAMIN, LLC FEBRUARY 2006. PROJECT # 208-0001. MEASUREMENTS OF EXISTING SITE FEATURES TAKEN IN THE FIELD BY WESTON & SAMPSON. THE LOCATIONS AND DIMENSIONS OF ALL FEATURES ARE APPROXIMATE.

FIGURE 5

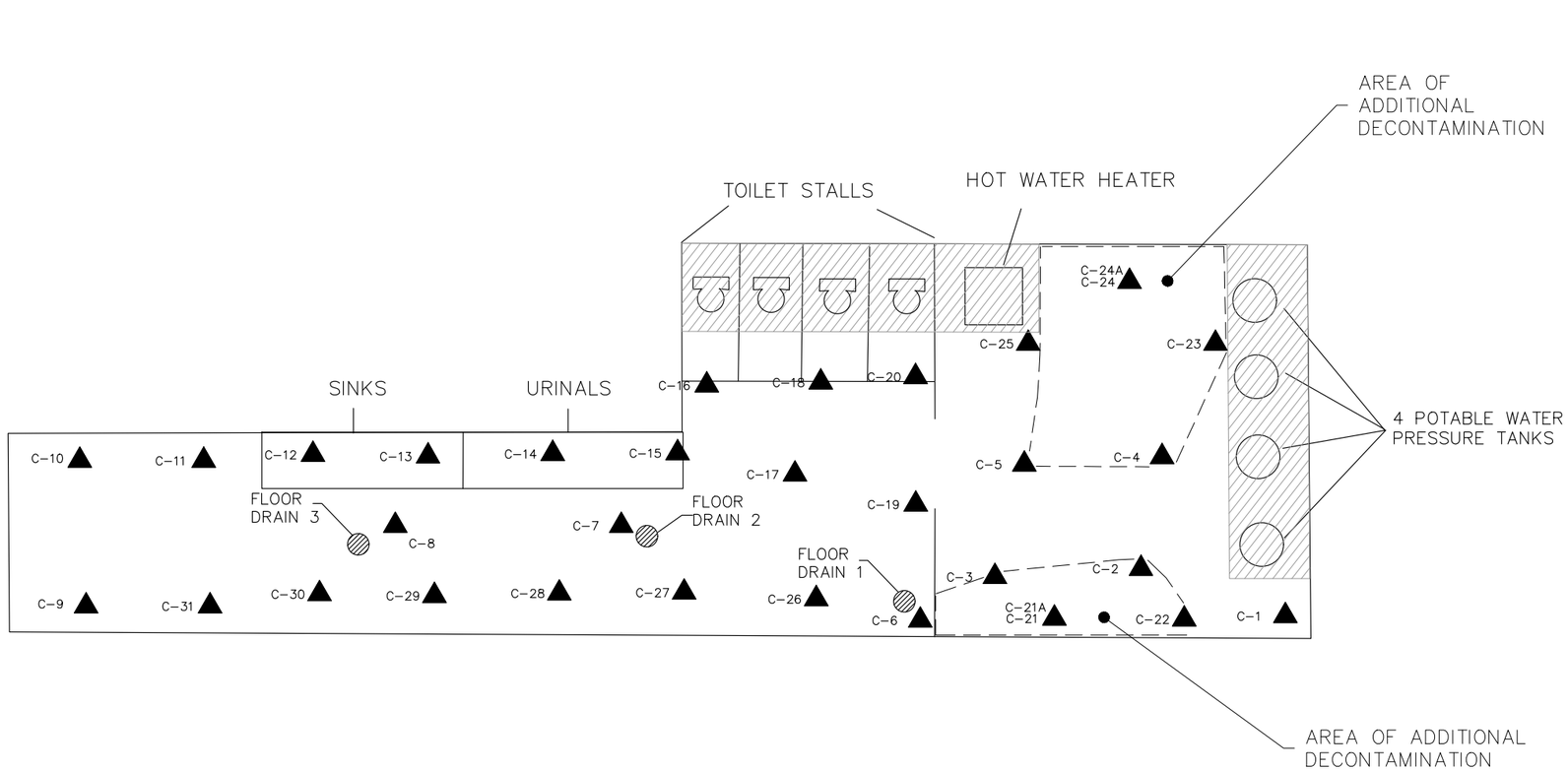
DURHAM, CT - 27 PARSONS LANE
INTERIM REMEDIAL ACTION REPORT

ROOF PEA GRAVEL
SAMPLE LOCATIONS

DESIGNED BY:	WS	CHECKED BY:	JW	DATE:	MAY 2019

Weston & Sampson

Weston & Sampson



LEGEND

C–1 ▲ INTERIOR CONCRETE SAMPLE LOCATION

▨ AREA NOT ACCESSIBLE FOR SAMPLING

NOTE:

SAMPLE LOCATION PLAN DERIVED FROM FIELD MEASUREMENTS TAKEN BY WESTON & SAMPSON. THE LOCATIONS AND DIMENSIONS OF ALL FEATURES ARE APPROXIMATE.

SAMPLE IDs WITH AN "A" WERE COLLECTED AFTER ADDITIONAL DECONTAMINATION WAS PERFORMED IN THAT AREA.

5 2.5 0 5 10

SCALE: 1"=5'

FIGURE 6

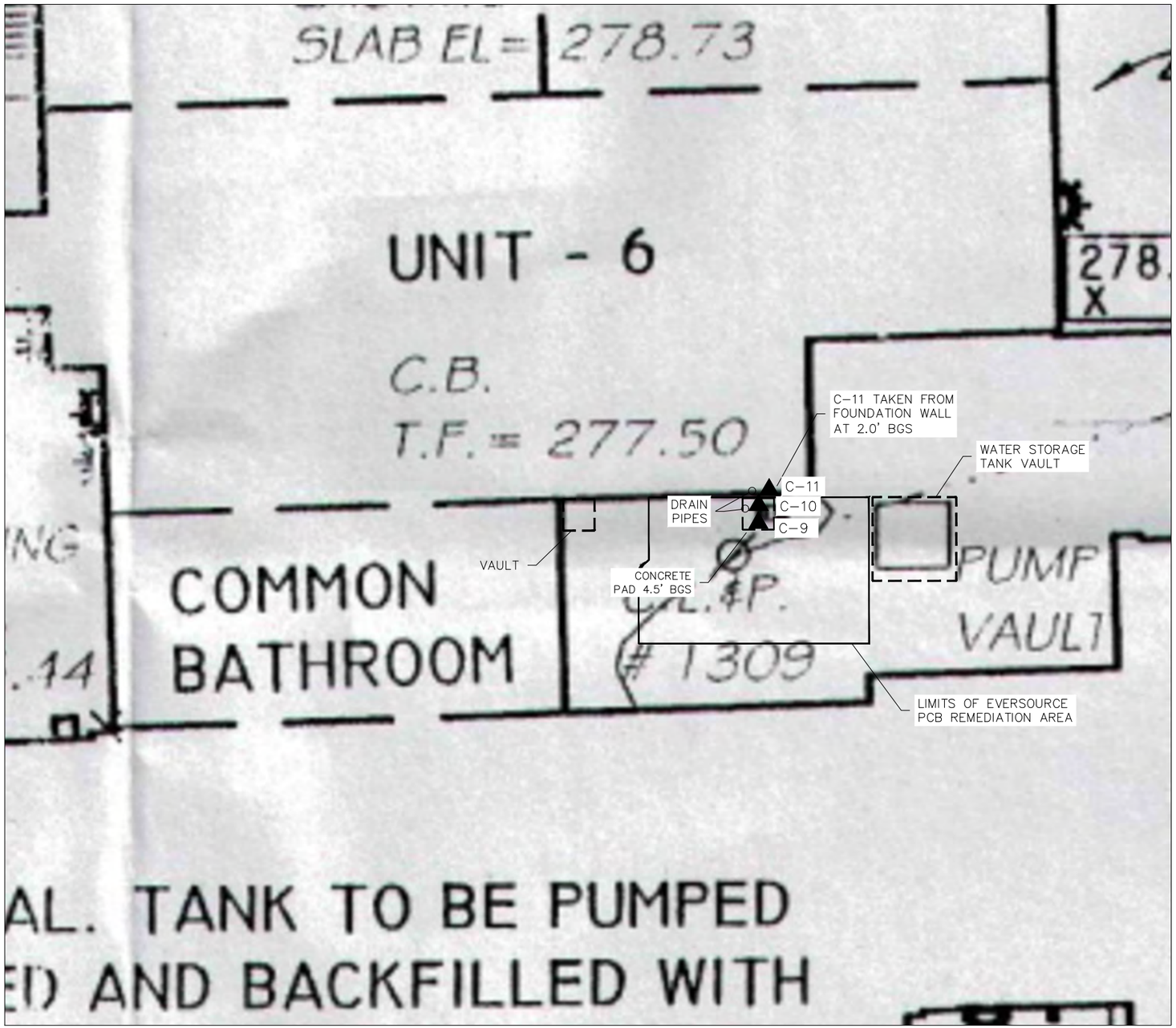
DURHAM, CT - 27 PARSONS LANE
INTERIM REMEDIAL ACTION REPORT

CONCRETE SAMPLE LOCATIONS - RESTROOM/UTILITY ROOM

DESIGNED BY:	AVB	CHECKED BY:	WS	DATE:	MAY 2019

Weston & Sampson

Weston & Sampson



N

0 10' 20'

SCALE: 1"=10'

LEGEND

C-9 ▲ EXTERIOR CONCRETE SAMPLE LOCATION

NOTE:

SAMPLE LOCATION PLAN DERIVED FROM THE PARSONS LANE ASSOCIATES, LLC DRAWING TITLED: PARSONS LANE DURHAM, CT SITE DEVELOPMENT PLAN. PREPARED BY BASCOM & BENJAMIN, LLC FEBRUARY 2006. PROJECT # 208-0001. MEASUREMENTS OF EXISTING SITE FEATURES TAKEN IN THE FIELD BY WESTON & SAMPSON. THE LOCATIONS AND DIMENSIONS OF ALL FEATURES ARE APPROXIMATE.

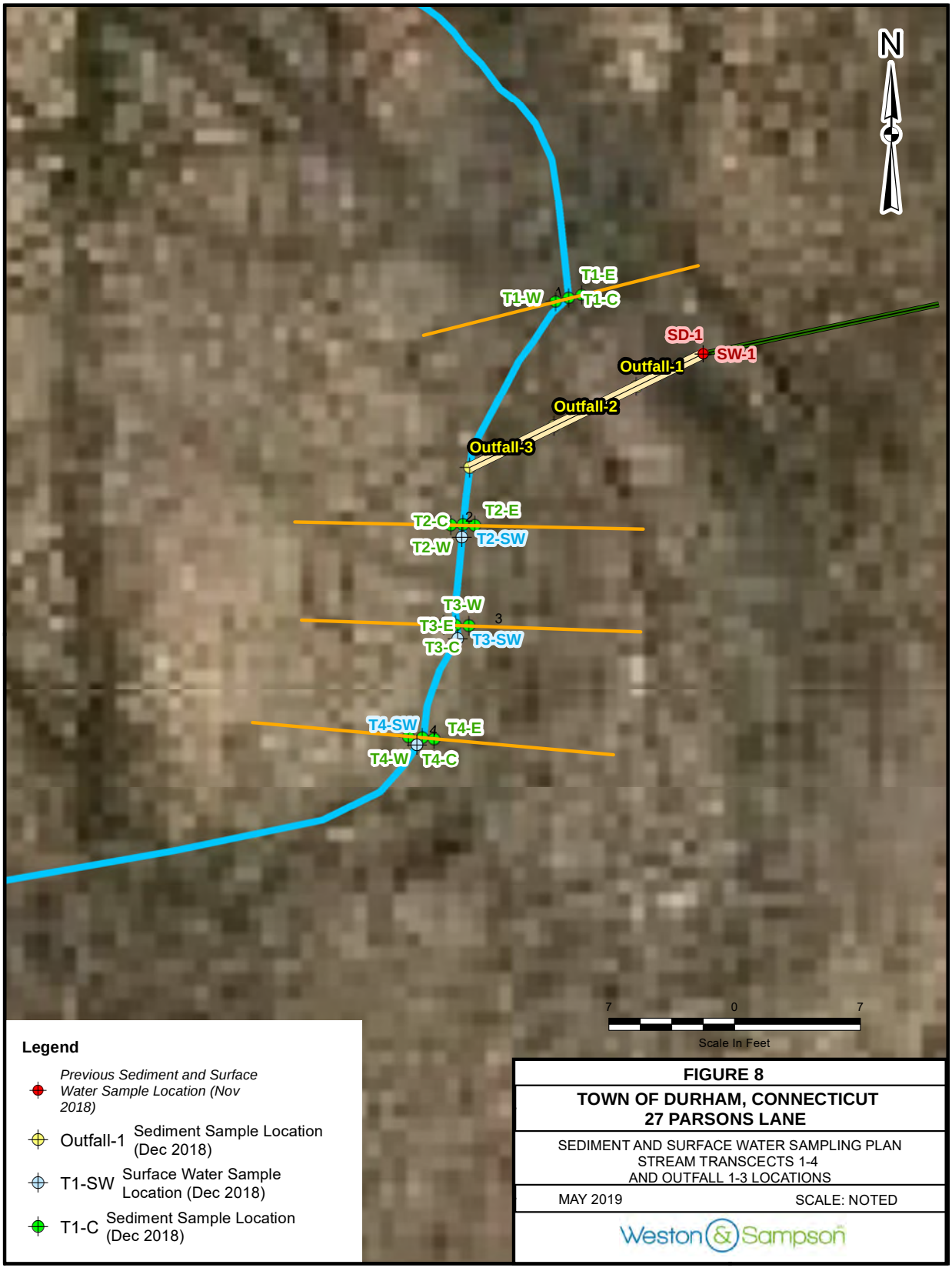
FIGURE 7

DURHAM, CT - 27 PARSONS LANE
INTERIM REMEDIAL ACTION REPORT

CONCRETE SAMPLE LOCATIONS
EXTERIOR WALL AND FOOTING

DESIGNED BY:	WS	CHECKED BY:	JW	DATE:	MAY 2019

Weston & Sampson


N
T1-E
T1-W
T1-C
SD-1
SW-1
Outfall-1
Outfall-2
Outfall-3
T2-C
T2-E
T2-W
T2-SW
T3-W
T3-E
T3-C
T3-SW
T4-SW
T4-E
T4-W
T4-C
7
0
7
Scale In Feet
Legend
Previous Sediment and Surface Water Sample Location (Nov 2018)
Outfall-1 Sediment Sample Location (Dec 2018)
T1-SW Surface Water Sample Location (Dec 2018)
T1-C Sediment Sample Location (Dec 2018)
FIGURE 8
TOWN OF DURHAM, CONNECTICUT
27 PARSONS LANE
SEDIMENT AND SURFACE WATER SAMPLING PLAN
STREAM TRANSECTS 1-4
AND OUTFALL 1-3 LOCATIONS
MAY 2019
SCALE: NOTED
Weston & Sampson

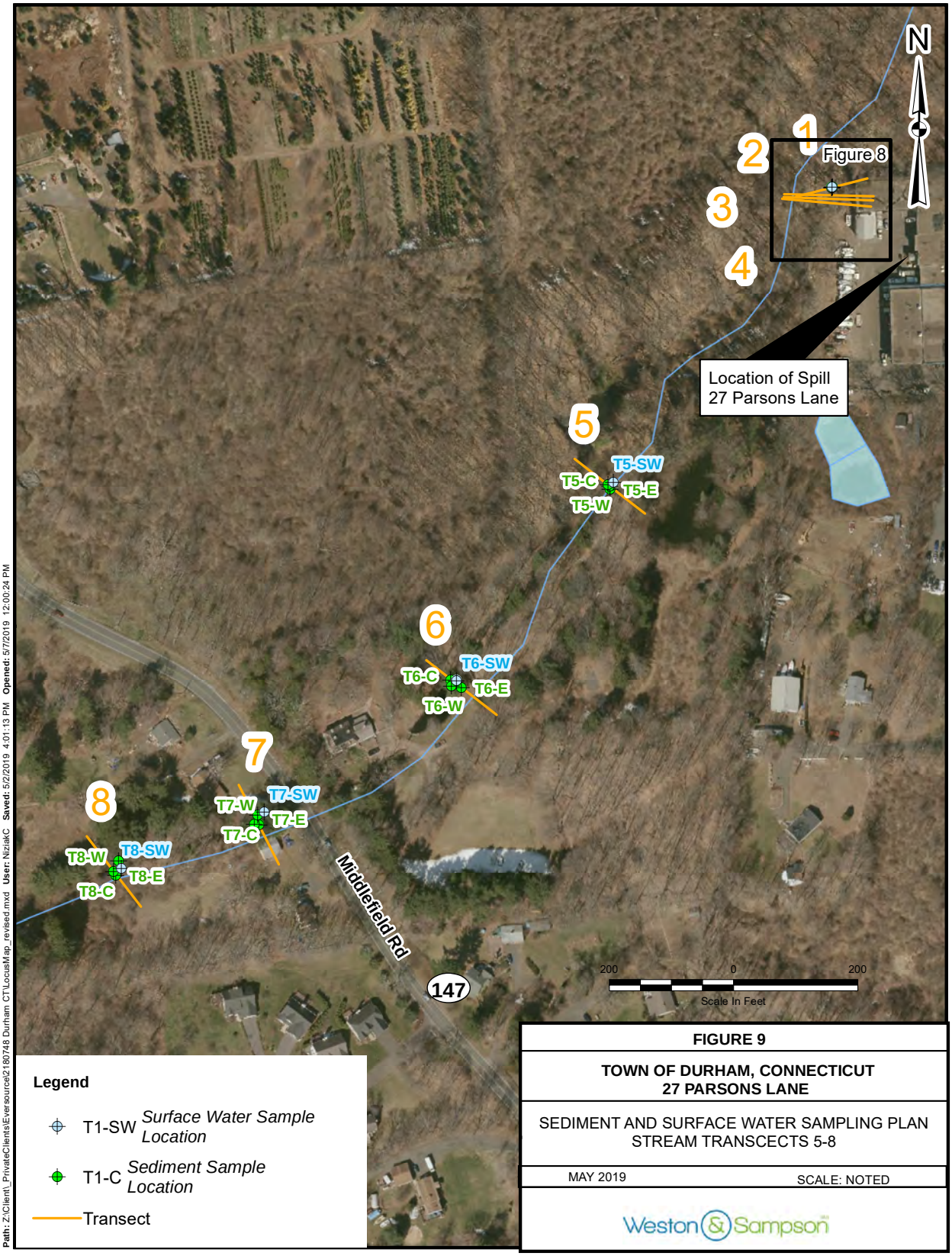


FIGURE 9

TOWN OF DURHAM, CONNECTICUT
27 PARSONS LANE

SEDIMENT AND SURFACE WATER SAMPLING PLAN
STREAM TRANSCECTS 5-8

MAY 2019 SCALE: NOTED

Weston & Sampson

TABLES

Table 1
Transformer Sample Analytical Results (Eversoource)
Interim Remedial Action Report
27 Parsons Lane, Durham, CT

Sample ID	67H10124	67J8112	67J8113
Sample Matrix	Oil[4]	Water[5]	Oil[4]
Date Sampled	10/19/18	10/22/18	10/22/18
Date Analyzed	10/24/18	10/26/18	10/29/18
Work Order No.	18J0960	18J0960	18J0960
PARAMETER (UNITS)			
Polychlorinated Biphenyls (EPA method 8082A [mg/kg or ug/L])			
Aroclor -1016	<40	<0.24	<39
Aroclor -1221	<40	<0.24	<39
Aroclor -1232	<40	<0.24	<39
Aroclor -1242	<40	<0.24	<39
Aroclor -1248	<40	<0.24	<39
Aroclor -1254	**210**	**0.11**	**230**
Aroclor -1260	<40	<0.24	<39
Aroclor -1262	<40	<0.24	<39
Aroclor -1268	<40	<0.24	<39
Total PCBs	**210**	**0.11**	**230**

Abbreviations:
mg/kg = milligram per killiogram
ug/L = microgram per liter

Notes:
1. < = indicates parameter not detected above laboratory method reporting limit shown.
2. Bolding indicates parameter detected above laboratory method reporting limit.
3. Samples collected by Eversource Energy.
4. Oil sample results are reported in mg/kg.
5. Water sample results are reported in ug/L.

Prepared by: AP
Reviewed by: JCW

Table 2
Floor Drain Sample Analytical Results (Eversource)
Interim Remedial Action Report
27 Parsons Lane, Durham, CT

Sample ID	Floor Drain 1	Floor Drain 2
Date Sampled	10/19/18	10/22/18
Date Analyzed	10/24/18	10/26/18
Work Order No.	18J1065	18J1065
PARAMETER (UNITS)		
Polychlorinated Biphenyls (EPA method 8082A [mg/kg])		
Aroclor -1016	<6.9	<8.5
Aroclor -1221	<6.9	<8.5
Aroclor -1232	<6.9	<8.5
Aroclor -1242	<6.9	<8.5
Aroclor -1248	<6.9	<8.5
Aroclor -1254	**16**	**16**
Aroclor -1260	<6.9	<8.5
Aroclor -1262	<6.9	<8.5
Aroclor -1268	<6.9	<8.5
Total PCBs	**16**	**16**

Abbreviations:
mg/kg = micrograms per liter

Notes:
1. < = indicates parameter not detected above laboratory method reporting limit shown.
2. Bolding indicates parameter detected above laboratory method reporting limit.
3. Samples collected by Eversource Energy.

Prepared by: AP
Reviewed by: JCW

Table 3
Well Water Sample Analytical Results (Eversource)
Interim Remedial Action Report
27 Parsons Lane, Durham, CT

Sample ID	Well Water
Date Sampled	10/19/18
Date Analyzed	10/24/18
Work Order No.	18J1065
PARAMETER (UNITS)	
Polychlorinated Biphenyls (EPA method 8082A [ug/L])	
Aroclor -1016	<0.20
Aroclor -1221	<0.20
Aroclor -1232	<0.20
Aroclor -1242	<0.20
Aroclor -1248	<0.20
Aroclor -1254	<0.20
Aroclor -1260	<0.20
Aroclor -1262	<0.20
Aroclor -1268	<0.20
Total PCBs	BRL

Abbreviations:
ug/L = micrograms per liter
BRL = Below Reporting Limit

Notes:
1. < = indicates parameter not detected above laboratory method reporting limit shown.
2. Samples collected by Eversource Energy.

Prepared by: AP
Reviewed by: JCW

Table 4
Manhole and Catch Basin Sample Analytical Results (Eversource)
Interim Remedial Action Report
27 Parsons Lane, Durham, CT

Sample ID	MH1	MH2[1]	MH3	MH4	MH5	MH6	CB1[1]
Sample Matrix	Aqueous	Solid	Aqueous	Aqueous	Aqueous	Aqueous	Solid
Date Sampled	10/19/18	10/19/18	10/19/18	10/19/18	10/19/18	10/22/18	10/22/18
Date Extracted	NE	10/22/18	NE	NE	NE	NE	10/25/18
Date Analyzed	10/24/18	10/24/18	10/24/18	10/24/18	10/24/18	10/26/18	10/29/18
Work Order No.	18J1065	18J1065	18J1065	18J1065	18J1065	18J1226	18J1226
PARAMETER (UNITS)							
Polychlorinated Biphenyls (EPA method 8082A [mg/kg or ug/L])							
Aroclor -1016	<0.21	<0.13	<0.20	<0.27	<0.20	<0.14	<0.20
Aroclor -1221	<0.21	<0.13	<0.20	<0.27	<0.20	<0.14	<0.20
Aroclor -1232	<0.21	<0.13	<0.20	<0.27	<0.20	<0.14	<0.20
Aroclor -1242	<0.21	<0.13	<0.20	<0.27	<0.20	<0.14	<0.20
Aroclor -1248	<0.21	<0.13	<0.20	<0.27	<0.20	<0.14	<0.20
Aroclor -1254	<0.21	<0.13	<0.20	<0.27	<0.20	<0.14	<0.20
Aroclor -1260	<0.21	<0.13	<0.20	<0.27	<0.20	<0.14	<0.20
Aroclor -1262	<0.21	<0.13	<0.20	<0.27	<0.20	<0.14	<0.20
Aroclor -1268	<0.21	<0.13	<0.20	<0.27	<0.20	<0.14	<0.20
Total PCBs	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Extractable Total Petroleum Hydrocarbons by CT method (mg/kg or mg/L)	**7.8**	**8,100**	NA	**4.5**	**1.3**	NA	NA
Total Solids (%)	NA	60.9	NA	NA	NA	57.8	NA

Abbreviations:
mg/kg = milligram per killiogram
ug/L = micrograms per liter
mg/L = miilligrams per liter
BRL = Below Reporting Limit
NA = Not Analyzed

Notes:
1. Denotes PCB analysis performed using Soxhlet Extraction by EPA method 3540C.
2. < = indicates parameter not detected above laboratory method reporting limit shown.
3. Bolding indicates parameter not detected above laboratory method reporting limit.
4. Samples collected by Eversource Energy.

Prepared by: AP
Reviewed by: JCW

Table 5
Post Excavation Soil Sample Analytical Results (Eversource)
Interim Remedial Action Report
27 Parsons Lane, Durham, CT

Sample ID	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
Sample Depth (feet)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Date Sampled	10/22/18	10/22/18	10/22/18	10/22/18	10/22/18	10/22/18	10/22/18	10/22/18	10/22/18	10/24/18
Date Extracted	10/24/18	10/24/18	10/24/18	10/24/18	10/24/18	10/24/18	10/24/18	10/24/18	10/24/18	10/24/18
Date Analyzed	10/26/18	10/26/18	10/26/18	10/26/18	10/26/18	10/26/18	10/26/18	10/26/18	10/26/18	10/26/18
Work Order No.	18J1226	18J1226	18J1226	18J1226	18J1226	18J1226	18J1226	18J1226	18J1226	18J1227/ 18K0002
PARAMETER (UNITS)										
Polychlorinated Biphenyls with Soxhlet Extraction (EPA methods 8082A/3540C [mg/kg])										
Aroclor -1016	<0.097	<0.093	<0.11	<0.094	<0.094	<0.10	<0.094	<0.096	<0.096	<0.094
Aroclor -1221	<0.097	<0.093	<0.11	<0.094	<0.094	<0.10	<0.094	<0.096	<0.096	<0.094
Aroclor -1232	<0.097	<0.093	<0.11	<0.094	<0.094	<0.10	<0.094	<0.096	<0.096	<0.094
Aroclor -1242	<0.097	<0.093	<0.11	<0.094	<0.094	<0.10	<0.094	<0.096	<0.096	<0.094
Aroclor -1248	<0.097	<0.093	<0.11	<0.094	<0.094	<0.10	<0.094	<0.096	<0.096	<0.094
Aroclor -1254	<0.097	<0.093	<0.11	<0.094	<0.094	<0.10	<0.094	<0.096	<0.096	**0.13**
Aroclor -1260	<0.097	<0.093	<0.11	<0.094	<0.094	<0.10	<0.094	<0.096	<0.096	<0.094
Aroclor -1262	<0.097	<0.093	<0.11	<0.094	<0.094	<0.10	<0.094	<0.096	<0.096	<0.094
Aroclor -1268	<0.097	<0.093	<0.11	<0.094	<0.094	<0.10	<0.094	<0.096	<0.096	<0.094
Total PCBs	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	**0.13**
Leachable Polychlorinated Biphenyls by Synthetic Precipitation Leaching Procedure (EPA methods 8082A/1312 [ug/L])										
Aroclor -1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.20
Aroclor -1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.20
Aroclor -1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.20
Aroclor -1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.20
Aroclor -1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.20
Aroclor -1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.20
Aroclor -1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.20
Aroclor -1262	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.20
Aroclor -1268	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.20
Total Leachable PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	BRL
Total Solids (%)	**82.1**	**86.2**	**74.5**	**85**	**84.7**	**79.4**	**85.5**	**83.8**	**83.3**	**84.8**

Sample ID	S10 Duplicate	S11	S12	S13	S14	S15	S16	S17	S18
Sample Depth (feet)	0.5	0.5	0.5	1.0	1.0	1.0	1.0	0.5	0.5
Date Sampled	10/24/18	10/24/18	10/24/18	10/24/18	10/24/18	10/24/18	10/24/18	10/24/18	10/24/18
Date Extracted	10/24/18	10/24/18	10/24/18	10/24/18	10/24/18	10/24/18	10/24/18	10/24/18	10/24/18
Date Analyzed	10/26/18	10/26/18	10/26/18	10/26/18	10/26/18	10/26/18	10/26/18	10/26/18	10/26/18
Work Order No.	18J1227/ 18K0002	18J1227	18J1227	18J1227	18J1227/ 19K0002	18J1227	18J1227	18J1227	18J1227
PARAMETER (UNITS)									
Polychlorinated Biphenyls with Soxhlet Extration (EPA methods 8082/3540 [mg/kg])									
Aroclor -1016	<0.10	<0.094	<0.095	<0.093	<0.090	<0.090	<0.089	<0.092	<0.095
Aroclor -1221	<0.10	<0.094	<0.095	<0.093	<0.090	<0.090	<0.089	<0.092	<0.095
Aroclor -1232	<0.10	<0.094	<0.095	<0.093	<0.090	<0.090	<0.089	<0.092	<0.095
Aroclor -1242	<0.10	<0.094	<0.095	<0.093	<0.090	<0.090	<0.089	<0.092	<0.095
Aroclor -1248	<0.10	<0.094	<0.095	<0.093	<0.090	<0.090	<0.089	<0.092	<0.095
Aroclor -1254	**0.11**	<0.094	<0.095	<0.093	**0.77**	<0.090	<0.089	<0.092	<0.095
Aroclor -1260	<0.10	<0.094	<0.095	<0.093	**0.096**	<0.090	<0.089	<0.092	<0.095
Aroclor -1262	<0.10	<0.094	<0.095	<0.093	<0.090	<0.090	<0.089	<0.092	<0.095
Aroclor -1268	<0.10	<0.094	<0.095	<0.093	<0.090	<0.090	<0.089	<0.092	<0.095
Total PCBs	**0.11**	BRL	BRL	BRL	**0.866**	BRL	BRL	BRL	BRL
Leachable Polychlorinated Biphenyls by Synthetic Precipitation Leaching Procedure (EPA methods 8082A/1312 [ug/L])									
Aroclor -1016	<0.20	NA	NA	NA	<0.20	NA	NA	NA	NA
Aroclor -1221	<0.20	NA	NA	NA	<0.20	NA	NA	NA	NA
Aroclor -1232	<0.20	NA	NA	NA	<0.20	NA	NA	NA	NA
Aroclor -1242	<0.20	NA	NA	NA	<0.20	NA	NA	NA	NA
Aroclor -1248	<0.20	NA	NA	NA	<0.20	NA	NA	NA	NA
Aroclor -1254	<0.20	NA	NA	NA	<0.20	NA	NA	NA	NA
Aroclor -1260	<0.20	NA	NA	NA	<0.20	NA	NA	NA	NA
Aroclor -1262	<0.20	NA	NA	NA	<0.20	NA	NA	NA	NA
Aroclor -1268	<0.20	NA	NA	NA	<0.20	NA	NA	NA	NA
Total Leachable PCBs	BRL	NA	NA	NA	BRL	NA	NA	NA	NA
Total Solids (%)	**79.3**	**84.2**	**83.4**	**85.3**	**87.8**	**88.0**	**87.8**	**86.1**	**83.9**

Abbreviations:
mg/kg = milligram per killiogram
ug/L = microgram per liter
BRL = Below Reporting Limit
NA = Not Analyzed
Notes:
1. < = indicates parameter not detected above laboratory method reporting limit shown.
2. Bolding indicated parameter detected above laboratory method reporting limit.
3. Samples collected by Eversource Energy.

Prepared by: AP
Reviewed by: JCW

Table 6
Well Water Pressure Tanks Wipe Sample Analytical Results (Eversource)
Interim Remedial Action Report
27 Parsons Lane, Durham, CT

Sample ID	Tank 1 (Top)	Tank 1 (Middle)	Tank 1 (Bottom)	Tank 2 (Top)	Tank 2 (Middle)	Tank 2 (Bottom)
Sample Matrix	Aqueous	Solid	Aqueous	Aqueous	Aqueous	Solid
Date Sampled	10/19/18	10/19/18	10/19/18	10/19/18	10/19/18	10/22/18
Date Extracted	NE	10/22/18	NE	NE	NE	10/25/18
Date Analyzed	10/24/18	10/24/18	10/24/18	10/24/18	10/24/18	10/29/18
Work Order No.	18J1065	18J1065	18J1065	18J1065	18J1065	18J1226
PARAMETER (UNITS)						
Polychlorinated Biphenyls (EPA method 8082A [µg/wipe])						
Aroclor -1016	<0.21	<0.13	<0.20	<0.27	<0.20	<0.20
Aroclor -1221	<0.21	<0.13	<0.20	<0.27	<0.20	<0.20
Aroclor -1232	<0.21	<0.13	<0.20	<0.27	<0.20	<0.20
Aroclor -1242	<0.21	<0.13	<0.20	<0.27	<0.20	<0.20
Aroclor -1248	<0.21	<0.13	<0.20	<0.27	<0.20	<0.20
Aroclor -1254	<0.21	<0.13	**0.29**	<0.27	<0.20	<0.20
Aroclor -1260	<0.21	<0.13	<0.20	<0.27	<0.20	<0.20
Aroclor -1262	<0.21	<0.13	<0.20	<0.27	<0.20	<0.20
Aroclor -1268	<0.21	<0.13	<0.20	<0.27	<0.20	<0.20
Total PCBs	BRL	BRL	**0.29**	BRL	BRL	BRL

Sample ID	Tank 3 (Top)	Tank 3 (Middle)	Tank 3 (Bottom)	Tank 4 (Top)	Tank 4 (Middle)	Tank 4 (Bottom)
Sample Matrix	Aqueous	Solid	Aqueous	Aqueous	Aqueous	Solid
Date Sampled	10/19/18	10/19/18	10/19/18	10/19/18	10/19/18	10/22/18
Date Extracted	NE	10/22/18	NE	NE	NE	10/25/18
Date Analyzed	10/24/18	10/24/18	10/24/18	10/24/18	10/24/18	10/29/18
Work Order No.	18J1065	18J1065	18J1065	18J1065	18J1065	18J1226
PARAMETER (UNITS)						
Polychlorinated Biphenyls (EPA method 8082A [µg/wipe])						
Aroclor -1016	<0.21	<0.13	<0.20	<0.27	<0.20	<0.20
Aroclor -1221	<0.21	<0.13	<0.20	<0.27	<0.20	<0.20
Aroclor -1232	<0.21	<0.13	<0.20	<0.27	<0.20	<0.20
Aroclor -1242	<0.21	<0.13	<0.20	<0.27	<0.20	<0.20
Aroclor -1248	<0.21	<0.13	<0.20	<0.27	<0.20	<0.20
Aroclor -1254	<0.21	<0.13	<0.20	<0.27	<0.20	<0.20
Aroclor -1260	<0.21	<0.13	<0.20	<0.27	<0.20	<0.20
Aroclor -1262	<0.21	<0.13	<0.20	<0.27	<0.20	<0.20
Aroclor -1268	<0.21	<0.13	<0.20	<0.27	<0.20	<0.20
Total PCBs	BRL	BRL	BRL	BRL	BRL	BRL

Abbreviations:
µg/Wipe = micrograms per wipe
BRL = Below Reporting Limit

Notes:
1. < = indicates parameter not detected above laboratory method reporting limit shown.
2. Bolding indicated parameter not detectee above laboratory method reporting limit.
3. Samples collected by Eversource Energy.

Prepared by: AP
Reviewed by: JCW

Table 7
Roof Pea Gravel Sample Analytical Results (Weston Sampson)
Interim Remedial Action Report
27 Parsons Lane, Durham, CT

Sample ID	R-1	R-2	R-3
Date Sampled	10/25/18	10/25/18	10/25/18
Date Extracted	10/25/18	10/25/18	10/25/18
Date Analyzed	10/30/18	10/30/18	10/30/18
Work Order No.	18J1302	18J1302	18J1302
PARAMETER (UNITS)			
Polychlorinated Biphenyls with Soxhlet Extration (EPA methods 8082A/3540C [mg/kg])			
Aroclor -1016	<0.077	<0.077	<0.073
Aroclor -1221	<0.077	<0.077	<0.073
Aroclor -1232	<0.077	<0.077	<0.073
Aroclor -1242	<0.077	<0.077	<0.073
Aroclor -1248	<0.077	<0.077	<0.073
Aroclor -1254	**0.097**	<0.077	<0.073
Aroclor -1260	<0.077	<0.077	<0.073
Aroclor -1262	<0.077	<0.077	<0.073
Aroclor -1268	<0.077	<0.077	<0.073
Total PCBs	**0.097**	BRL	BRL

Abbreviations:
mg/kg = milligram per killiogram
BRL = Below Reporting Limit

Notes:
1. < = indicates parameter not detected above laboratory method reporting limit shown.
2. Bolding indicates parameter detected above laboratory method reporting limit.
3. Samples collected by Weston & Sampson.

Prepared by: AP
Reviewed by: JCW

Table 8
Restroom/Utility Room Concrete Sample Analytical Results (Weston Sampson)
Interim Remedial Action Report
27 Parsons Lane, Durham, CT

Sample ID	C-1	C-2	C-3	C-4	C-5	C-6	C-7	DUP-1 / Duplicate of C-7	C-8
Sample Depth (inches)	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5
Date Sampled	10/25/18	10/25/18	10/25/18	10/25/18	10/25/18	10/25/18	10/25/18	10/25/18	10/25/18
Date Extracted	10/25/18	10/25/18	10/25/18	10/25/18	10/25/18	10/25/18	10/25/18	10/25/18	10/25/18
Date Analyzed	10/30/18	10/30/18	10/30/18	10/30/18	10/30/18	10/30/18	10/30/18	10/30/18	10/30/18
Work Order No.	18J1300	18J1300	18J1300	18J1300	18J1300	18J1300	18J1300	18J1300	18J1300
PARAMETER (UNITS)									
Polychlorinated Biphenyls with Soxhlet Extraction (EPA methods 8082A/3540C [mg/kg])									
Aroclor -1016	<0.069	<0.083	<0.095	<0.085	<0.095	<0.090	<0.078	<0.080	<0.094
Aroclor -1221	<0.069	<0.083	<0.095	<0.085	<0.095	<0.090	<0.078	<0.080	<0.094
Aroclor -1232	<0.069	<0.083	<0.095	<0.085	<0.095	<0.090	<0.078	<0.080	<0.094
Aroclor -1242	<0.069	<0.083	<0.095	<0.085	<0.095	<0.090	<0.078	<0.080	<0.094
Aroclor -1248	<0.069	<0.083	<0.095	<0.085	<0.095	<0.090	<0.078	<0.080	<0.094
Aroclor -1254	**0.11**	<0.083	**0.12**	**0.13**	**0.40**	**0.41**	<0.078	**0.11**	<0.094
Aroclor -1260	<0.069	<0.083	<0.095	<0.085	<0.095	<0.090	<0.078	<0.080	<0.094
Aroclor -1262	<0.069	<0.083	<0.095	<0.085	<0.095	<0.090	<0.078	<0.080	<0.094
Aroclor -1268	<0.069	<0.083	<0.095	<0.085	<0.095	<0.090	<0.078	<0.080	<0.094
Total PCBs	**0.11**	BRL	**0.12**	**0.13**	**0.40**	**0.41**	BRL	**0.11**	BRL

Sample ID	C-9	C-10	C-11	DUP-2 / Duplicate of C-11	C-12	C-13	C-14	C-15	C-16
Sample Depth (inches)	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5
Date Sampled	1/9/19	1/9/19	1/9/19	1/9/19	1/9/19	1/9/19	1/9/19	1/9/19	1/9/19
Date Extracted	1/11//19	1/15/19	1/15/19	1/15/19	1/15/19	1/15/19	1/15/19	1/15/19	1/15/19
Date Analyzed	1/15/19	1/18/19	1/18/19	1/18/19	1/18/19	1/18/19	1/18/19	1/18/19	1/18/19
Work Order No.	19A0438	19A0438	19A0438	19A0438	19A0438	19A0438	19A0438	19A0438	19A0438
PARAMETER (UNITS)									
Polychlorinated Biphenyls with Soxhlet Extraction (EPA methods 8082A/3540C [mg/kg])									
Aroclor -1016	<0.11	<0.096	<0.098	<0.094	<0.096	<0.095	<0.086	<0.094	<0.088
Aroclor -1221	<0.11	<0.096	<0.098	<0.094	<0.096	<0.095	<0.086	<0.094	<0.088
Aroclor -1232	<0.11	<0.096	<0.098	<0.094	<0.096	<0.095	<0.086	<0.094	<0.088
Aroclor -1242	<0.11	<0.096	<0.098	<0.094	<0.096	<0.095	<0.086	<0.094	<0.088
Aroclor -1248	<0.11	<0.096	<0.098	<0.094	<0.096	<0.095	<0.086	<0.094	<0.088
Aroclor -1254	**0.13**	**0.13**	<0.098	<0.094	<0.096	**0.11**	**0.24**	**0.27**	**0.21**
Aroclor -1260	<0.11	<0.096	<0.098	<0.094	<0.096	<0.095	<0.086	<0.094	<0.088
Aroclor -1262	<0.11	<0.096	<0.098	<0.094	<0.096	<0.095	<0.086	<0.094	<0.088
Aroclor -1268	<0.11	<0.096	<0.098	<0.094	<0.096	<0.095	<0.086	<0.094	<0.088
Total PCBs	**0.13**	**0.13**	BRL	BRL	BRL	**0.11**	**0.24**	**0.27**	**0.21**

Abbreviations:
mg/kg = milligram per killiogram
BRL = Below Reporting Limit

Notes:
1. < = indicates parameter not detected above reporting limit shown.
2. Bolding indicates parameter detectee above reporting limit.
3. Samples collected by Weston & Sampson.

Prepared by: JCW
Reviewed by: AP

Table 8
Restroom/Utility Room Concrete Sample Analytical Results (Weston Sampson)
Interim Remedial Action Report
27 Parsons Lane, Durham, CT

Sample ID	C-17	C-18	C-19	C-20	C-21	C-21A	C-22	C-23	C-24
Sample Depth (inches)	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5
Date Sampled	1/9/19	1/9/19	1/9/19	1/9/19	1/9/19	2/11/19	1/9/19	1/9/19	1/9/19
Date Extracted	1/15/19	1/15/19	1/15/19	1/15/19	1/11/19	2/11/19	1/15/19	1/15/19	1/11/19
Date Analyzed	1/18/19	1/18/19	1/18/19	1/18/19	1/15/19	2/15/19	1/18/19	1/18/19	1/17/19
Work Order No.	19A0438	19A0438	19A0438	19A0438	19A0438	19B0468	19A0438	19A0438	19A0438
PARAMETER (UNITS)									
Polychlorinated Biphenyls with Soxhlet Extraction (EPA methods 8082A/3540C) mg/kg									
Aroclor -1016	<0.099	<0.081	<0.096	<0.094	<0.086	<0.096	<0.090	<0.087	<0.17
Aroclor -1221	<0.099	<0.081	<0.096	<0.094	<0.086	<0.096	<0.090	<0.087	<0.17
Aroclor -1232	<0.099	<0.081	<0.096	<0.094	<0.086	<0.096	<0.090	<0.087	<0.17
Aroclor -1242	<0.099	<0.081	<0.096	<0.094	<0.086	<0.096	<0.090	<0.087	<0.17
Aroclor -1248	<0.099	<0.081	<0.096	<0.094	**0.73**	<0.096	<0.090	<0.087	**0.51**
Aroclor -1254	**0.40**	**0.26**	**0.65**	**0.25**	**1.0**	**0.39**	**0.16**	**0.49**	**1.4**
Aroclor -1260	<0.099	<0.081	**0.14**	<0.094	**0.15**	<0.096	<0.090	<0.087	**0.21**
Aroclor -1262	<0.099	<0.081	<0.096	<0.094	<0.086	<0.096	<0.090	<0.087	<0.17
Aroclor -1268	<0.099	<0.081	<0.096	<0.094	<0.086	<0.096	<0.090	<0.087	<0.17
Total PCBs	**0.40**	**0.26**	**0.79**	**0.25**	**1.88**	**0.39**	**0.16**	**0.49**	**2.12**

Sample ID	C-24A	C-25	C-26	C-27	C-28	C-29	DUP-3 / Duplicate of C-29	C-30	C-31
Sample Depth (inches)	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5
Date Sampled	2/11/19	1/9/19	1/9/19	1/9/19	1/9/19	1/9/19	1/9/19	1/9/19	1/9/19
Date Extracted	2/11/19	1/15/19	1/15/19	1/15/19	1/15/19	1/15/19	1/15/19	1/15/19	1/15/19
Date Analyzed	2/15/19	1/18/19	1/18/19	1/18/19	1/18/19	1/18/19	1/18/19	1/18/19	1/18/19
Work Order No.	19B0468	19A0438	19A0438	19A0438	19A0438	19A0438	19A0438	19A0438	19A0438
PARAMETER (UNITS)									
Polychlorinated Biphenyls with Soxhlet Extraction (EPA methods 8082A/3540C) mg/kg									
Aroclor -1016	<0.098	<0.082	<0.096	<0.089	<0.099	<0.099	<0.097	<0.097	<0.098
Aroclor -1221	<0.098	<0.082	<0.096	<0.089	<0.099	<0.099	<0.097	<0.097	<0.098
Aroclor -1232	<0.098	<0.082	<0.096	<0.089	<0.099	<0.099	<0.097	<0.097	<0.098
Aroclor -1242	<0.098	<0.082	<0.096	<0.089	<0.099	<0.099	<0.097	<0.097	<0.098
Aroclor -1248	<0.098	<0.082	<0.096	<0.089	<0.099	<0.099	<0.097	<0.097	<0.098
Aroclor -1254	**0.35**	**0.16**	**0.13**	**0.22**	**0.20**	**0.10**	**0.11**	**0.11**	**0.11**
Aroclor -1260	<0.098	<0.082	<0.096	<0.089	<0.099	<0.099	<0.097	<0.097	<0.098
Aroclor -1262	<0.098	<0.082	<0.096	<0.089	<0.099	<0.099	<0.097	<0.097	<0.098
Aroclor -1268	<0.098	<0.082	<0.096	<0.089	<0.099	<0.099	<0.097	<0.097	<0.098
Total PCBs	**0.35**	**0.16**	**0.13**	**0.22**	**0.20**	**0.10**	**0.11**	**0.11**	**0.11**

Abbreviations:
mg/kg = milligram per killiogram
BRL = Below Reporting Limit

Notes:
1. < = indicates parameter not detected above reporting limit shown.
2. Bolding indicates parameter detectee above reporting limit.
3. Samples collected by Weston & Sampson.

Prepared by: JCW
Reviewed by: AP

Table 9
Foundation Wall/Footing Concrete Sample Analytical Results (Weston Sampson)
Interim Remedial Action Report
27 Parsons Lane, Durham, CT

Sample ID	C-32	C-33	C-34
Sample Depth (inches)	0-0.5	0-0.5	0-0.5
Date Sampled	10/25/18	10/25/18	10/25/18
Date Extracted	10/25/18	10/25/18	10/25/18
Date Analyzed	10/30/18	10/30/18	10/30/18
Work Order No.	18J1300	18J1300	18J1300
PARAMETER (UNITS)			
Polychlorinated Biphenyls with Soxhlet Extration (EPA methods 8082A/3540C [mg/kg])			
Aroclor -1016	<0.081	<0.099	<0.090
Aroclor -1221	<0.081	<0.099	<0.090
Aroclor -1232	<0.081	<0.099	<0.090
Aroclor -1242	<0.081	<0.099	<0.090
Aroclor -1248	<0.081	<0.099	<0.090
Aroclor -1254	<0.081	**0.12**	<0.090
Aroclor -1260	<0.081	<0.099	<0.090
Aroclor -1262	<0.081	<0.099	<0.090
Aroclor -1268	<0.081	<0.099	<0.090
Total PCBs	BRL	**0.12**	BRL

Abbreviations:
mg/kg = milligram per killiogram
BRL = Below Reporting Limit

Notes:
1. < = indicates parameter not detected above laboratory method reporting limit shown.
2. Bolding indicates parameter detected above laboratory method reporting limit.
3. Samples collected by Weston & Sampson.

Prepared by: AP
Reviewed by: JCW

Table 10
Septic System Sample Analytical Results (Weston Sampson)
Interim Remedial Action Report
27 Parsons Lane, Durham, CT

Sample ID	SP-1[1]	GP-1	GP-2	GP-3	GP-4	DUP-4/ Duplicate of GP-4 (6-7')	GP-5	GP-6
Sample Depth (feet)	- -	6-7	6-7	6-7	6-7		6-7	6-7
Sample Matrix	Septic Sample	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date Sampled	11/20/18	11/20/18	11/20/18	11/20/18	11/20/18	11/20/18	11/20/18	11/20/18
Date Extracted	- -	11/24/18	11/24/18	11/24/18	11/24/18	11/24/18	11/24/18	11/24/18
Date Analyzed	11/26/18	11/26/18	11/26/18	11/26/18	11/26/18	11/26/18	11/26/18	11/26/18
Work Order No.	CC01512	18K0972	18K0972	18K0972	18K0972	18K0972	18K0972	18K0972
PARAMETER (UNITS)								
Polychlorinated Biphenyls with Soxhlet Extraction (EPA method 8082A/3540C [mg/kg])								
Aroclor-1016	<0.47	<0.088	<0.082	<0.090	<0.092	<0.091	<0.085	<0.087
Aroclor-1221	<0.47	<0.088	<0.082	<0.090	<0.092	<0.091	<0.085	<0.087
Aroclor-1232	<0.47	<0.088	<0.082	<0.090	<0.092	<0.091	<0.085	<0.087
Aroclor-1242	<0.47	<0.088	<0.082	<0.090	<0.092	<0.091	<0.085	<0.087
Aroclor-1248	<0.47	<0.088	<0.082	<0.090	<0.092	<0.091	<0.085	<0.087
Aroclor-1254	<0.47	<0.088	<0.082	<0.090	<0.092	<0.091	<0.085	<0.087
Aroclor-1260	<0.47	<0.088	<0.082	<0.090	<0.092	<0.091	<0.085	<0.087
Aroclor-1262	<0.47	<0.088	<0.082	<0.090	<0.092	<0.091	<0.085	<0.087
Aroclor-1268	<0.47	<0.088	<0.082	<0.090	<0.092	<0.091	<0.085	<0.087
Total PCBs	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Total Solids (%)	- -	89.1	91.6	84.1	83.1	80.5	87.2	85.7

Abbreviations:
mg/kg = milligram per killiogram
BRL = Below Reporting Limit

Notes:
1. < = indicates compound not detected above laboratory reporting limit w/reporting limit shown.
2. Septic sample analysis not performed with soxhlet extractioon.
3. Samples collected by Weston & Sampson.

Prepared by: AB
Reviewed by: JW

Table 11
8-in. RCP Water Sample Analytical Results (Weston Sampson)
Interim Remedial Action Report
27 Parsons Lane, Durham, CT

Sample ID	67J8112
Date Sampled	11/20/18
Date Analyzed	11/26/18
Work Order No.	18K0970
PARAMETER (UNITS)	
Polychlorinated Biphenyls (EPA method 8082A [ug/L])	
Aroclor -1016	<0.20
Aroclor -1221	<0.20
Aroclor -1232	<0.20
Aroclor -1242	<0.20
Aroclor -1248	<0.20
Aroclor -1254	**0.96**
Aroclor -1260	<0.20
Aroclor -1262	<0.20
Aroclor -1268	<0.20
Total PCBs	BRL

Abbreviations:
ug/L = micrograms per liter
BRL = Below Reporting Limit

Notes:
1. < = indicates parameter not detected above laboratory method reporting limit shown.
2. Bolding indicates parameter detected above laboratory method reporting limit.
3. Samples collected by Eversource Energy.

Prepared by: AP
Reviewed by: JCW

Table 12
Sediment Sample Below 8-in RCP Analytical Results Weston Sampson)
Interim Remedial Action Report
27 Parsons Lane, Durham, CT

Sample ID	18K0971
Date Sampled	11/20/18
Date Analyzed	11/27/18
Work Order No.	18K0970
PARAMETER (UNITS)	
Polychlorinated Biphenyls with Soxhlet Extraction (EPA methods 3540 + 8082A [mg/kg])	
Aroclor -1016	<0.49
Aroclor -1221	<0.49
Aroclor -1232	<0.49
Aroclor -1242	<0.49
Aroclor -1248	<0.49
Aroclor -1254	**3.6**
Aroclor -1260	<0.49
Aroclor -1262	<0.49
Aroclor -1268	<0.49
Total PCBs	**3.6**

Abbreviations:
ug/L = micrograms per liter
BRL = Below Reporting Limit

Notes:
1. < = indicates parameter not detected above laboratory method reporting limit shown.
2. Bolding indicates parameters detected above laboratory method reporting limit.
2. Samples collected by Eversource Energy.

Prepared by: AP
Reviewed by: JCW

Table 13
Sediment Sample Analytical Results (Weston Sampson)
Unnamed Tributary of Coginchaug River
Interim Remedial Action Report
27 Parsons Lane, Durham, CT

Sample Location	Beneath 8-in. RCP Outfall	Flow Channel From 8" RCP			Transect #1			Transect #2		
					Center	East	West	Center	East	West
Sample ID	SD-1	Outfall-1	Outfall-2	Outfall-3	T1-C	T1-E	T1-W	T2-C	T2-E	T2-W
Date Sampled	11/20/18	12/5/18	12/5/18	12/5/18	12/5/18	12/5/18	12/5/18	12/5/18	12/5/18	12/5/18
Date Extracted	11/24/18	12/7/18	12/7/18	12/7/18	12/7/18	12/7/18	12/7/18	12/7/18	12/7/18	12/7/18
Date Analyzed	11/27/18	12/11/18	12/11/18	12/11/18	12/11/18	12/11/08	12/11/66	12/11/66	12/11/78	12/11/66
Work Order No.	18K0971	12K0278	12K0278	12K0278	12K0278	12K0278	12K0278	12K0278	12K0278	12K0278
PARAMETER (UNITS)										
Polychlorinated Biphenyls with Soxhlet Extration (EPA method 8082A/3540C (mg/kg))										
Aroclor-1016	<0.49	<0.61	<0.56	<1.2	<0.026	<0.025	<0.039	<0.025	<0.028	<0.032
Aroclor-1221	<0.49	<0.61	<0.56	<1.2	<0.026	<0.025	<0.039	<0.025	<0.028	<0.032
Aroclor-1232	<0.49	<0.61	<0.56	<1.2	<0.026	<0.025	<0.039	<0.025	<0.028	<0.032
Aroclor-1242	<0.49	<0.61	<0.56	<1.2	<0.026	<0.025	<0.039	<0.025	<0.028	<0.032
Aroclor-1248	<0.49	<0.61	<0.56	<1.2	<0.026	<0.025	<0.039	<0.025	<0.028	<0.032
Aroclor-1254	**3.6**	**4.4**	**3.9**	**9.6**	<0.026	<0.025	<0.039	**1.9**	**2.4**	<0.032
Aroclor-1260	<0.49	<0.61	<0.56	<1.2	<0.026	<0.025	<0.039	<0.025	<0.028	<0.032
Aroclor-1262	<0.49	<0.61	<0.56	<1.2	<0.026	<0.025	<0.039	<0.025	<0.028	<0.032
Aroclor-1268	<0.49	<0.61	<0.56	<1.2	<0.026	<0.025	<0.039	<0.025	<0.028	<0.032
Total PCBs	**3.6**	**4.4**	**3.9**	**9.6**	BRL	BRL	BRL	**1.9**	**2.4**	BRL
Total Solids (%)	**79.8**	**64.8**	**66.5**	**59.7**	**73.9**	**79.6**	**49.8**	**61.5**	**66.9**	**59.6**

Sample Location	Transect #3			Transect #4			Transect #5			Transect #6
	Center	East	West	Center	East	West	Center	East	West	Center
Sample ID	T3-C	T3-E	T3-W	T4-C	T4-E	T4-W	T5-C	T5-E	T5-W	T6-C
Date Sampled	12/5/18	12/5/18	12/5/18	12/5/18	12/5/18	12/5/18	12/5/18	12/5/18	12/5/18	12/5/18
Date Extracted	12/7/18	12/7/18	12/7/18	12/7/18	12/7/18	12/7/18	12/7/18	12/7/18	12/7/18	12/7/18
Date Analyzed	12/11/58	12/11/48	12/11/18	12/11/18	12/10/18	12/11/18	12/11/18	12/11/18	12/11/18	12/11/18
Work Order No.	12K0278	12K0278	12K0278	12K0278	12K0278	12K0278	12K0278	12K0278	12K0278	12K0278
PARAMETER (UNITS)										
Polychlorinated Biphenyls with Soxhlet Extration (EPA method 8082A/3540C (mg/kg))										
Aroclor-1016	<0.025	<0.028	<0.034	<0.49	<0.025	<0.028	<0.024	<0.028	<0.035	<0.022
Aroclor-1221	<0.025	<0.028	<0.034	<0.49	<0.025	<0.028	<0.024	<0.028	<0.035	<0.022
Aroclor-1232	<0.025	<0.028	<0.034	<0.49	<0.025	<0.028	<0.024	<0.028	<0.035	<0.022
Aroclor-1242	<0.025	<0.028	<0.034	<0.49	<0.025	<0.028	<0.024	<0.028	<0.035	<0.022
Aroclor-1248	<0.025	<0.028	<0.034	<0.49	<0.025	<0.028	<0.024	<0.028	<0.035	<0.022
Aroclor-1254	**0.057**	**0.036**	<0.034	**0.057**	**0.65**	<0.028	<0.024	**0.078**	<0.035	<0.022
Aroclor-1260	<0.025	<0.028	<0.034	<0.49	<0.025	<0.028	<0.024	<0.028	<0.035	<0.022
Aroclor-1262	<0.025	<0.028	<0.034	<0.49	<0.025	<0.028	<0.024	<0.028	<0.035	<0.022
Aroclor-1268	<0.025	<0.028	<0.034	<0.49	<0.025	<0.028	<0.024	<0.028	<0.035	<0.022
Total PCBs	**0.057**	**0.036**	BRL	**0.057**	**0.65**	BRL	BRL	**0.078**	BRL	BRL
Total Solids (%)	**78.9**	**70.3**	**55.3**	**74.0**	**46.2**	**67.9**	**82.5**	**68.0**	**52.3**	**82.8**

Sample Location	Transect #6 (Cont.)		Transect #7				Transect #8			
	East	West	Center	East	East	West	Center	East	East	West
Sample ID	T6-E	T6-W	T7-C	T7-E	DUP-SE1 / Duplicate of T7-E	T7-W	T8-C	T8-E	DUP-SE2 / Duplicate of T8-E	T8-W
Date Sampled	12/5/18	12/5/18	12/5/18	12/5/18	12/5/18	12/5/18	12/5/18	12/5/18	12/5/18	12/5/18
Date Extracted	12/7/18	12/7/18	12/7/18	12/7/18	12/7/18	12/7/18	12/7/18	12/7/18	12/7/18	12/7/18
Date Analyzed	12/11/18	12/11/18	12/11/18	12/11/18	12/11/18	12/11/18	12/11/18	12/11/18	12/11/18	12/11/18
Work Order No.	12K0278	12K0278	12K0278	12K0278	12K0278	12K0278	12K0278	12K0278	12K0278	12K0278
PARAMETER (UNITS)										
Polychlorinated Biphenyls with Soxhlet Extration (EPA method 8082A/3540C (mg/kg))										
Aroclor-1016	<0.027	<0.026	<0.031	<0.037	<0.041	<0.033	<0.045	<0.037	<0.034	<0.052
Aroclor-1221	<0.027	<0.026	<0.031	<0.037	<0.041	<0.033	<0.045	<0.037	<0.034	<0.052
Aroclor-1232	<0.027	<0.026	<0.031	<0.037	<0.041	<0.033	<0.045	<0.037	<0.034	<0.052
Aroclor-1242	<0.027	<0.026	<0.031	<0.037	<0.041	<0.033	<0.045	<0.037	<0.034	<0.052
Aroclor-1248	<0.027	<0.026	<0.031	<0.037	<0.041	<0.033	<0.045	<0.037	<0.034	<0.052
Aroclor-1254	<0.027	<0.026	<0.031	**0.041**	**0.080**	<0.033	<0.045	<0.037	<0.034	<0.052
Aroclor-1260	<0.027	<0.026	<0.031	<0.037	<0.041	<0.033	<0.045	<0.037	<0.034	<0.052
Aroclor-1262	<0.027	<0.026	<0.031	<0.037	<0.041	<0.033	<0.045	<0.037	<0.034	<0.052
Aroclor-1268	<0.027	<0.026	<0.031	<0.037	<0.041	<0.033	<0.045	<0.037	<0.034	<0.052
Total PCBs	BRL	BRL	BRL	**0.041**	**0.080**	BRL	BRL	BRL	BRL	BRL
Total Solids (%)	**71.5**	**77.1**	61.1	**51.8**	**48.2**	**59.8**	**43.4**	**52.8**	**55.7**	**37.1**

Abbreviations:
mg/kg = milligram per killiogram
BRL = Below reporting limit

NOTES:
1. < = indicates parameter not detected above laboratory method reporting limit, shown.
2. Bolding indicated parameter detected above laboratory method reporting limit.
3. Samples collected by Weston & Sampson.

Prepared by: LMY
Reviewed by: JCW

Table 14
Surface Water Sample Analytical Results (Weston Sampson)
Unnamed Tributary of Coginchaug River
Interim Remedial Action Report
27 Parsons Lane, Durham, CT

Sample Location	Transect #1	Transect #2	Transect #3		Transect #4	Transect #5	Transect #6	Transect #7	Transect #8
Sample ID	T1-SW	T2-SW	T3-SW	DUP-SW / Duplicate of T3-SW	T4-SW	T5-SW	T6-SW	T7-SW	T8-SW
Date Sampled	12/5/18	12/5/18	12/5/18	12/5/18	12/5/18	12/5/18	12/5/18	12/5/18	12/5/18
Date Analyzed	12/10/18	12/10/18	12/10/18	12/10/18	12/10/18	12/10/18	12/10/18	12/10/18	12/10/18
Work Order No.	18L0279	18L0279	18L0279	18L0279	18L0279	18L0279	18L0279	18L0279	18L0279
PARAMETER (UNITS)									
Polychlorinated Biphenyls by EPA method 8082A (µg/L)									
Aroclor-1016	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20
Aroclor-1221	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20
Aroclor-1232	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20
Aroclor-1242	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20
Aroclor-1248	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20
Aroclor-1254	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20
Aroclor-1260	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20
Aroclor-1262	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20
Aroclor-1268	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20	BRL <0.20
Total PCBs	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL

Abbreviations:
µg/L = micrograms per liter
BRL = Below Reporting Limit

NOTES:
1. < = indicates parameter not detected above laboratory method reporting limit, shown.
2. Bolding indicated parameter detected above laboratory method reporting limit.
3. Samples collected by Weston & Sampson.

Prepared by: LMY
Reviewed by: JCW

APPENDIX A

Disposal Documentation

80710

Please print or type. CT1805351195-005 SC PPW 7/12/2018 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: 40CFRPART761
2. Page 1 of: 1
3. Emergency Response Phone: (800) 483-3718
4. Manifest Tracking Number: 012745105 FLE

GENERATOR

5. Generator's Name and Mailing Address:
CL&P dba Eversource Energy
c/o Clean Harbors 770 Derby Ave.
Seymour, CT06483
Generator's Phone: (860) 665-3285 ATTN:Rebecca Roberts

Generator's Site Address (if different than mailing address):
27 Parson Lane
Durham,CT 06422

6. Transporter 1 Company Name: Clean Harbors Environmental Services, Inc.
U.S. EPA ID Number: MAD039322250

7. Transporter 2 Company Name: Robbie D. Wood Inc
U.S. EPA ID Number: [illegible]

8. Designated Facility Name and Site Address:
Spring Grove Resource Recovery Inc.
4879 Spring Grove Avenue
Cincinnati, OH 45232
Facility's Phone: (513) 681-5738
U.S. EPA ID Number: OHD000816629

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, UN3432, POLYCHLORINATED BIPHENYLS, SOLID, 9, PG III (POLYCHLORINATED BIPHENYLS)	2	DM	181	K	CR01
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.CH924916 ERG#171

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out of service date: 12/27/18
unique id #: 122718 5705, 06

Contract retained by generator verifies agency authority to initial transporter to add or substitute additional transporters on generator's behalf.

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Mark Bradley As Agent for Eversource Energy
Signature: [signature]
Month 12 Day 27 Year 18

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: CLIFFORD HUDSON JR
Signature: [signature]
Month 12 Day 27 Year 18

Transporter 2 Printed/Typed Name: RANDY WHITTEN
Signature: [signature]
Month 1 Day 3 Year 19

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Aleisha Mason
Signature: [signature]
Month 1 Day 4 Year 19

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

Spring Grove Resource Recovery Inc.
4879 Spring Grove Avenue
Cincinnati OH, 45232
OHD000816629
(513) 681-5738

CERTIFICATE OF DISPOSAL

Manifest Mailing Name:	CL&P dba Eversource Energy		
Manifest Mailing Address:	c/o Clean Harbors 770 Derby Ave. Seymour, CT, 06483	Job Address:	27 Parson Lane Durham, CT 06422
Customer Contact Name:	Ms Linda Macary	Generator Contact Name:	Mr Keith Pomerleau
		Date Received:	1/7/2019
Generator EPA ID:	40CFRPART761	Load #:	1863
Sales Order#:	1805351195	Manifest #:	012745103FLE

Original CH ID #	Date Removed From Service	Unit Type	Serial # / Customer ID	Material Description	Disposal Date	Method of Disposal	Disposal Facility
76704492	12/27/2018	DM	1227185015 /	PCB Solids For Landfill	2/8/2019	Landfill	Grassy Mountain, UT Facility
76704493	12/27/2018	DM	1227185016 /	PCB Solids For Landfill	2/8/2019	Landfill	Grassy Mountain, UT Facility

Under Civil and Criminal Penalties of Law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Authorized Agent

Monday, February 11, 2019
Date

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FEB 13 2019

9a 1900162526 SC PPW 7/12/2018

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OHD000816629 | 2. Page 1 of: 2 | 3. Emergency Response Phone: (800) 483-3718 | 4. Manifest Tracking Number: 012288927 FLE

GENERATOR

5. Generator's Name and Mailing Address: Clean Harbors Environmental Recovery Inc.
4979 Spring Grove Avenue
Cincinnati, OH 45232
(513) 681-5738

Generator's Site Address (if different than mailing address): SAME

Generator's Phone:

6. Transporter 1 Company Name: Clean Harbors Environmental Services, Inc. | U.S. EPA ID Number: MAD039322250

7. Transporter 2 Company Name: Basin | U.S. EPA ID Number: OHR000031492

8. Designated Facility Name and Site Address: Clean Harbors Grassy Mountain LLC
3 Miles East 7 Miles North of Knolls
Grantsville, UT 84029
(435) 884-9900

U.S. EPA ID Number: UTD991301748

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3432, POLYCHLORINATED BIPHENYLS, SOLID, 9, PG II	005	DF	00038	K	
X	2. UN3432, POLYCHLORINATED BIPHENYLS, SOLID, 9, PG II	002	DM	00166	K	
X	3. NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (PCB, LEAD), 9, PG III	001	CF	00027	K	D008
X	4. NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (LEAD), 9, PG III	001	CF	00095	K	D008

14. Special Handling Instructions and Additional Information
1. CHEL-INTER ERG#171 5X5
2. CHEL-INTER ERG#171 2X55
3. CHEMI-INTER ERG#171 1X4FIB
4. CHEMO-INTER ERG#171 1XFDIB
Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: LaKiesha Mason | Signature | Month: 01 | Day: 10 | Year: 19

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Stuart Porter | Signature | Month: 11 | Day: 12 | Year: 18
Transporter 2 Printed/Typed Name: Larce Sharn | Signature | Month: 11 | Day: 13 | Year: 18

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) | U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132	H132	H132	H132

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a — 2018 600774
Printed/Typed Name: Cathy Seifert | Signature | Month: 12 | Day: 17 | Year: 18

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

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FEB 15 2019

93 1900162528 9C PPW 7/12/2018

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number ONDOOO816629	22. Page 2 of 2	23. Manifest Tracking Number 012289927FLE

24. Generator's Name: Spring Grove Resource Recovery Inc.

25. Transporter 3 Company Name: Quantum Environmental Inc — U.S. EPA ID Number: MAD039320250

26. Transporter 4 Company Name: Pioneer Tank Lines — U.S. EPA ID Number: MN1704476112

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes
X	5. UN3432, POLYCHLORINATED BIPHENYLS, SOLID, 9, PG III	001	DF	00037	K	
X	6. UN3432, POLYCHLORINATED BIPHENYLS, SOLID, 9, PG III	001	DM	00176	K	
	7. NON D.O.T. REGULATED	006	BA	01338	K	

32. Special Handling Instructions and Additional Information
5.CHEM.-INTER ERG#171 1X10
6.CHEM.-INTER ERG#171 1X55
7.DOT-INTER 6EBAG

33. Transporter 3 Acknowledgment of Receipt of Materials
Printed/Typed Name: Jessica Gibson — Signature — Month 01 Day 28 Year 19

34. Transporter 4 Acknowledgment of Receipt of Materials
Printed/Typed Name: Mark Dennis — Signature — Month 1 Day 29 Year 19

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
5. H132 6. H132 7. H132

EPA Form 8700-22A (Rev. 8-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

RECEIVED
FEB 15 2019

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number	22. Page	23. Manifest Tracking Number
	OHD000816620	3	012288927FLE

24. Generator's Name: SPRING GROVE RESOURCE RECOVERY INC. — U.S. EPA ID Number: SAME

25. Transporter 5 Company Name: Clean Harbors Environmental Services, Inc. — U.S. EPA ID Number: MAD039322250

26. Transporter 6 Company Name — U.S. EPA ID Number:

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes
	TPO					

32. Special Handling Instructions and Additional Information

TRANSPORTER

33. Transporter 5 Acknowledgment of Receipt of Materials
Printed/Typed Name: Mary Boyd — Signature: MBoyd — Month: 01 Day: 30 Year: 19

34. Transporter 6 Acknowledgment of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

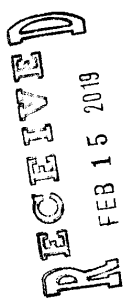
DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

RECEIVED
FEB 15 2019



CleanHarbors

PCB Continuation Sheet

Generator: Spring Grove Resource Recovery Inc. (OHD000816629)
4879 Spring Grove Avenue
Cincinnati, OH 45232

Wkorder: 1900162526
Manifest:
Vehicle: SG18

Mnfst Line	Trackg No	Serial / Custmr Ctrl No.	Waste Class	Description	Container Type	Wgt in KG	Out of Svc Date
	70122133	#15327 / xx	CHSRL	PCB Rcra Material For Landfill	1CF	22	10/9/2018
	70190212	xx /	CHBL	PCB Ballasts Or Capacitors For Landfill	16DF	51	12/10/2018
	75724355	none / 75724355x	CHBL	PCB Ballasts Or Capacitors For Landfill	55DM	176	12/10/2018
	76501801	/	D80T	Non-PCB Transformer	1BA	81	
	76547327	/	D80T	Non-PCB Transformer	1BA	204	
	76547719	/	D80T	Non-PCB Transformer	1BA	181	
	76549006	/	D80T	Non-PCB Transformer	1BA	90	
	76554579	none / 76554579x	CHSL	PCB Solids For Landfill	5DF	7	12/18/2018
	76554580	none / 76554580x	CHSL	PCB Solids For Landfill	5DF	7	12/18/2018
	76554581	none / 76554581x	CHSL	PCB Solids For Landfill	5DF	7	12/18/2018
	76554582	none / 76554582x	CHSL	PCB Solids For Landfill	5DF	7	12/18/2018
	76554583	none / 76554583x	CHSL	PCB Solids For Landfill	5DF	7	12/18/2018
	76595516	76595516x / A30470-1	CHSMA	Tsca Debris For Macroencapsulation	1CF	1,249	11/29/2018
	76597428	/	D80T	Non-PCB Transformer	1BA	113	
	76630267	/	D80T	Non-PCB Transformer	1BA	546	
	76704492	1227185015 /	CHSL	PCB Solids For Landfill	55DM	63	12/27/2018
	76704493	1227185016 /	CHSL	PCB Solids For Landfill	55DM	63	12/27/2018

Clean Harbors Grassy Mountain LLC
3 Miles East 7 Miles North of Knolls
Grantsville UT, 84029
UTD991301748
(435) 884-8900

CERTIFICATE OF DISPOSAL

Manifest Mailing Name:	Spring Grove Resource Recovery Inc.		
Manifest Mailing Address:	4879 Spring Grove Avenue	Job Address:	27 Parson Lane
	Cincinnati, OH, 45232		Durham, CT 06422
Customer Contact Name:	Ms Linda Macary		
		Date Received:	2/7/2019
Generator EPA ID:	40CFRPART761	Load #:	19000774
Sales Order#:	1805351195	Manifest #:	012288927FLE

Original CH ID #	Date Removed From Service	Unit Type	Serial # / Customer ID	Material Description	Disposal Date	Method of Disposal	Disposal Facility
76704492	12/27/2018	DM	1227185015 /	PCB Solids For Landfill	2/8/2019	Landfill	Grassy Mountain, UT Facility
76704493	12/27/2018	DM	1227185016 /	PCB Solids For Landfill	2/8/2019	Landfill	Grassy Mountain, UT Facility

Under Civil and Criminal Penalties of Law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Shane B. Whitney
Authorized Agent

Thursday, February 14, 2019
Date

RECEIVED
FEB 20 2019

Please print or type. CT1805351195-003 SC PPW 7/12/2018 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
40CFRPART761	1	(800) 483-3718	012747661 FLE

GENERATOR

5. Generator's Name and Mailing Address
CL&P dba Eversource Energy
c/o Clean Harbors 770 Derby Ave.
Seymour, CT 06483
Generator's Phone: (860) 665-3285 ATTN:Rebecca Roberts

Generator's Site Address (if different than mailing address)
27 Parson Lane
Durham, CT 06422

6. Transporter 1 Company Name — U.S. EPA ID Number
Clean Harbors Environmental Services, Inc. — MAD039322250

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address — U.S. EPA ID Number
Clean Harbors of Braintree Inc
1 Hill Avenue
Braintree, MA 02184
Facility's Phone: (781) 380-7100
MAD053452637

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	RQ, UN3432, POLYCHLORINATED BIPHENYLS, SOLID, (50-499 PPM PCB TSCA), 9, PG III	001	CM	~~0.5~~ 30.527	K	CR01	MA02	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1.CR924916B ERG#171 OSD 11-2-18 CHRT27113

Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Keith Bosch As Agent For Eversource
Signature:
Month: 11 Day: 2 Year: 18

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Keith Bosch
Signature:
Month: 11 Day: 2 Year: 18

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: David J. Medina
Signature:
Month: 11 Day: 02 Year: 18

EPA Form 8700-22 (Rev. 12-11) Previous editions are obsolete. DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

Clean Harbors of Braintree Inc
1 Hill Avenue
Braintree MA, 02184
MAD053452637
(781) 380-7100

CERTIFICATE OF DISPOSAL

Manifest Mailing Name:	CL&P dba Eversource Energy		
Manifest Mailing Address:	c/o Clean Harbors 770 Derby Ave. Seymour, CT, 06483	Job Address:	27 Parson Lane Durham, CT 06422
Customer Contact Name:	Ms Linda Macary	Generator Contact Name:	Mr Keith Pomerleau
		Date Received:	11/2/2018
Generator EPA ID:	40CFRPART761	Load #:	CHRT27113
Sales Order#:	1805351195	Manifest #:	012747661FLE

Original CH ID #	Date Removed From Service	Unit Type	Serial # / Customer ID	Material Description	Disposal Date	Method of Disposal	Disposal Facility
69417664	11/2/2018	CM	69417664 / 1	PCB Solids For Landfill	1/16/2019	Landfill	Grassy Mountain, UT Facility

Under Civil and Criminal Penalties of Law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

David L. Medina
Authorized Agent

Monday, January 21, 2019
Date

Please print or type. 4/30?

CT1805351195-003 SC PPW 7/12/2018

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: 40CFRPART761
2. Page 1 of: 1
3. Emergency Response Phone: (800) 483-3718
4. Manifest Tracking Number: 012747882 FLE

5. Generator's Name and Mailing Address
CL&P dba Eversource Energy
c/o Clean Harbors 770 Derby Ave.
Seymour, CT06483
Generator's Phone: (860) 665-3285 ATTN:Rebecca Roberts

Generator's Site Address (if different than mailing address)
27 Parson Lane
Durham,CT 06422

6. Transporter 1 Company Name: Clean Harbors Environmental Services, Inc
U.S. EPA ID Number: MAD039322250

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Clean Harbors of Braintree Inc
1 Hill Avenue
Braintree, MA 02184
Facility's Phone: (781) 380-7100
U.S. EPA ID Number: MAD053452637

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, UN3432, POLYCHLORINATED BIPHENYLS, SOLID, (50-499 PPM PCB TSCA), 9, PG III	01	CM	5.454 EST	K	~~CR01 MA02~~
	2.					
	3.					
	4.					

RECEIVED
DEC 04 2018

14. Special Handling Instructions and Additional Information
1.CH924916D ERG#171
Out of Service Date 10/24/18
Co - CERT - 29158

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Richard Hoyt for Eversource Corp | Signature | Month 11 | Day 20 | Year 18

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Richard Hoyt | Signature | Month 11 | Day 20 | Year 18

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

18. Discrepancy

18a. Discrepancy Indication Space ☑ Quantity (BD) ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Sections 11-12 Changed to 10,832 K

18b. Alternate Facility (or Generator) | Manifest Reference Number: | U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Hungus Hoang | Signature | Month 11 | Day 20 | Year 18

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

Clean Harbors of Braintree Inc
1 Hill Avenue
Braintree MA, 02184
MAD053452637
(781) 380-7100

CERTIFICATE OF DISPOSAL

Manifest Mailing Name:	CL&P dba Eversource Energy		
Manifest Mailing Address:	c/o Clean Harbors 770 Derby Ave. Seymour, CT, 06483	Job Address:	27 Parson Lane Durham, CT 06422
Customer Contact Name:	Ms Linda Macary	Generator Contact Name:	Mr Keith Pomerleau
		Date Received:	11/20/2018
Generator EPA ID:	40CFRPART761	Load #:	CHRT27158
Sales Order#:	1805351195	Manifest #:	012747882FLE

Original CH ID #	Date Removed From Service	Unit Type	Serial # / Customer ID	Material Description	Disposal Date	Method of Disposal	Disposal Facility
69808736	11/24/2018	CM	69808736 / 1	PCB Solids For Landfill	1/16/2019	Landfill	Grassy Mountain, UT Facility

Under Civil and Criminal Penalties of Law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

David L. Medina
Authorized Agent

Thursday, January 24, 2019
Date

80710

CT1805351195-007 SC PPW 7/12/2018

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	40CFRPART761	1	(800) 483-3718	012842034 FLE

GENERATOR

5. Generator's Name and Mailing Address
CL&P dba Eversource Energy
c/o Clean Harbors 770 Derby Ave.
Seymour, CT 06483
Generator's Phone: (860) 665-3285 ATTN: Rebecca Roberts

Generator's Site Address (if different than mailing address)
27 Parson Lane
Durham, CT 06422

6. Transporter 1 Company Name
Clean Harbors Environmental Services, Inc.
U.S. EPA ID Number
MAD039322250

7. Transporter 2 Company Name
Robbie D Ward Inc.
U.S. EPA ID Number
ACD 007138891

8. Designated Facility Name and Site Address
Spring Grove Resource Recovery Inc.
4879 Spring Grove Avenue
Cincinnati, OH 45232
Facility's Phone: (513) 681-5738
U.S. EPA ID Number
OHD000816629

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, UN3432, POLYCHLORINATED BIPHENYLS, SOLID, 9, PG III (POLYCHLORINATED BIPHENYLS)	1	DM	27 est	K	CR01
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. CH924916 ERG#171

RECEIVED
NOV 05 2019

out of service date: 2/11/19
Unique Id: 112034
Spill # CWC 18.00543

Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Matthew P Jones II as agent for eversource
Signature:
Month 2 Day 11 Year 19

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Mark Proiette
Signature:
Month 2 Day 11 Year 19
Transporter 2 Printed/Typed Name: Dean Ley
Signature:
Month 2 Day 13 Year 19

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Akiesha Mason
Signature:
Month 12 Day 11 Year 19

8700-22 (Rev. 12-17) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

SOTC

CT1805361195-007 SC PPW 7/12/2018

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	40CFRPART761	1	(800) 483-3718	012842034 FLE

5. Generator's Name and Mailing Address
CL&P dba Eversource Energy
c/o Clean Harbors 770 Derby Ave.
Seymour, CT 06483
Generator's Phone: (860) 665-3285 ATTN: Rebecca Roberts

Generator's Site Address (if different than mailing address)
27 Parson Lane
Durham, CT 06422

6. Transporter 1 Company Name
Clean Harbors Environmental Services, Inc.
U.S. EPA ID Number: MAD039322250

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Spring Grove Resource Recovery Inc.
4879 Spring Grove Avenue
Cincinnati, OH 45232
Facility's Phone: (513) 681-5738
U.S. EPA ID Number: OHD000816629

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
x	1. RQ, UN3432, POLYCHLORINATED BIPHENYLS, SOLID, 9, PG III (POLYCHLORINATED BIPHENYLS)	1	DM	27 e-	K	CR01
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. CH924916 ERG#171

RECEIVED
FEB 12 2019

Out of service 2/11/19
until 11/2024
SPCC cert # 00143

Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Matthew [illegible] for Clean Harbors
Signature:
Month: 2 Day: 11 Year: 19

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: [illegible]
Signature:
Month: 2 Day: 11 Year: 19
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Signature: Month: Day: Year:

GENERATOR'S INITIAL COPY

m 8700-22 (Rev. 12-17) Previous editions are obsolete.

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

Spring Grove Resource Recovery Inc.
4879 Spring Grove Avenue
Cincinnati OH, 45232
OHD000816629
(513) 681-5738

CERTIFICATE OF DISPOSAL

Manifest Mailing Name:	CL&P dba Eversource Energy		
Manifest Mailing Address:	c/o Clean Harbors 770 Derby Ave. Seymour, CT, 06483	Job Address:	27 Parson Lane Durham, CT 06422
Customer Contact Name:	Ms Linda Macary	Generator Contact Name:	Mr Keith Pomerleau
		Date Received:	2/14/2019
Generator EPA ID:	40CFRPART761	Load #:	1828
Sales Order#:	1805351195	Manifest #:	012842034FLE

Original CH ID #	Date Removed From Service	Unit Type	Serial # / Customer ID	Material Description	Disposal Date	Method of Disposal	Disposal Facility
77573491	2/11/2019	DM	112034 /	PCB Solids For Landfill	3/29/2019	Landfill	Grassy Mountain, UT Facility

Under Civil and Criminal Penalties of Law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Authorized Agent

Monday, April 01, 2019
Date

RECEIVED
APR 02 2019

Clean Harbors Grassy Mountain LLC
3 Miles East 7 Miles North of Knolls
Grantsville UT, 84029
UTD991301748
(435) 884-8900

CERTIFICATE OF DISPOSAL

Manifest Mailing Name:	Spring Grove Resource Recovery Inc.		
Manifest Mailing Address:	4879 Spring Grove Avenue Cincinnati, OH, 45232	Job Address:	27 Parson Lane Durham, CT 06422
Customer Contact Name:	Ms Linda Macary		
		Date Received:	3/28/2019
Generator EPA ID:	40CFRPART761	Load #:	19001938
Sales Order#:	1805351195	Manifest #:	012289029FLE

Original CH ID #	Date Removed From Service	Unit Type	Serial # / Customer ID	Material Description	Disposal Date	Method of Disposal	Disposal Facility
77573491	2/11/2019	DM	112034 /	PCB Solids For Landfill	3/29/2019	Landfill	Grassy Mountain, UT Facility
77573900	2/11/2019	DM	02115328 /	PCB Solids For Landfill	3/29/2019	Landfill	Grassy Mountain, UT Facility
77575658	2/11/2019	DM	MA2019032 / x	PCB Solids For Landfill	3/29/2019	Landfill	Grassy Mountain, UT Facility
77575659	2/11/2019	DM	MA2019033 / x	PCB Solids For Landfill	3/29/2019	Landfill	Grassy Mountain, UT Facility
77575660	2/11/2019	DM	MA2019042 / x	PCB Solids For Landfill	3/29/2019	Landfill	Grassy Mountain, UT Facility
77575661	2/11/2019	DM	MA2019044 / x	PCB Solids For Landfill	3/29/2019	Landfill	Grassy Mountain, UT Facility
77575662	2/11/2019	DM	MA2019049 / x	PCB Solids For Landfill	3/29/2019	Landfill	Grassy Mountain, UT Facility
77592310	1/6/2018	DM	77592310x /	PCB Solids For Landfill	3/29/2019	Landfill	Grassy Mountain, UT Facility
77592311	1/6/2018	DM	77592311x /	PCB Solids For Landfill	3/29/2019	Landfill	Grassy Mountain, UT Facility
77592312	5/9/2018	DM	77592312x /	PCB Solids For Landfill	3/29/2019	Landfill	Grassy Mountain, UT Facility
77592313	5/11/2018	DM	77592313x /	PCB Solids For Landfill	3/29/2019	Landfill	Grassy Mountain, UT Facility
77592314	5/20/2018	DM	77592314x /	PCB Solids For Landfill	3/29/2019	Landfill	Grassy Mountain, UT Facility

Under Civil and Criminal Penalties of Law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Shane B. Whitney
Authorized Agent

Wednesday, April 24, 2019
Date

RECEIVED
MAY 01 2019

APPENDIX B

File Review Information

Property Card: **27 PARSONS LA**

Town of Durham, CT



Parcel ID: 16-7
Account #: P0184800

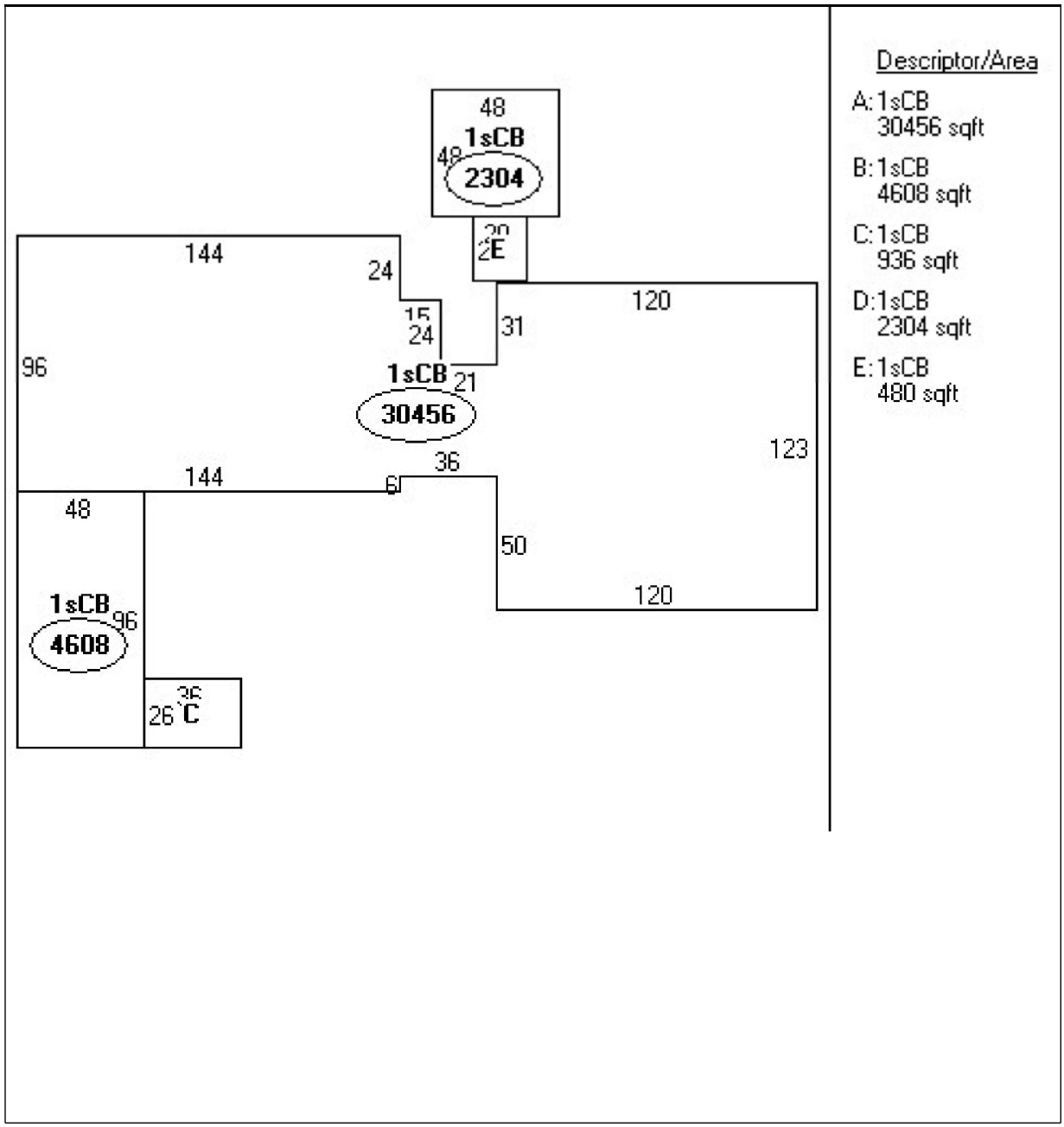
Owner: PARSONS LANE ASSOCIATES
Mailing Address: LLC
42 THOMPSON ST 1D
EAST HAVEN, CT 06513

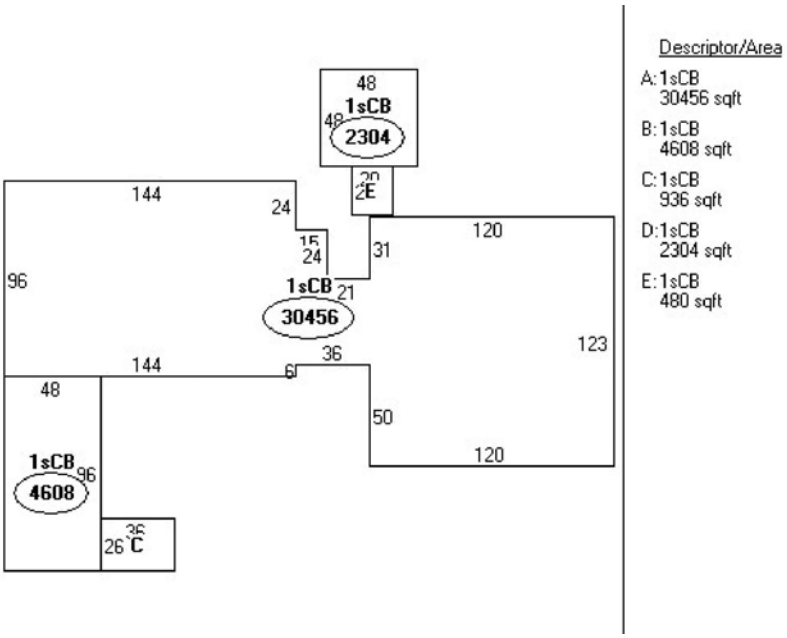
General Information		Assessed Value	
State Class:	400	**Land:**	$182,500
Class:	I	**Buildings:**	$673,100
Census-Tract:	5851		
District No.:		**Total:**	$598,920
Neighborhood:	100		
Zone:	LI		
Total Acres:	5.05		

Sale History	
Book/Page:	217-859
Deed Date:	20051219
Sale Date:	
Sale Type:	LAND + BLDG
Sale Price:	450000

Building Details			
Living Units:	0	**Basement:**	
Style:		**FBLA Size:**	0
Year Built:		**Attic:**	
Effective Year Built:		**Exterior Walls:**	
Ture TLA:	0	**Basement / Garage:**	
Stories:	0		
Total Rooms:			
Total Bedrooms:			
Number Full Baths:			
Number Half Baths:			
WB/FP Openings:			
Heating Type:			
Heating Fuel Type:			

BUILDING SKETCH




48
1sCB
2304
144
24
120
31
96
1sCB
30456
123
144
36
48
50
120
1sCB
4608
96
26
C
Descriptor/Area
A: 1sCB
30456 sqft
B: 1sCB
4608 sqft
C: 1sCB
936 sqft
D: 1sCB
2304 sqft
E: 1sCB
480 sqft

Durham, CT

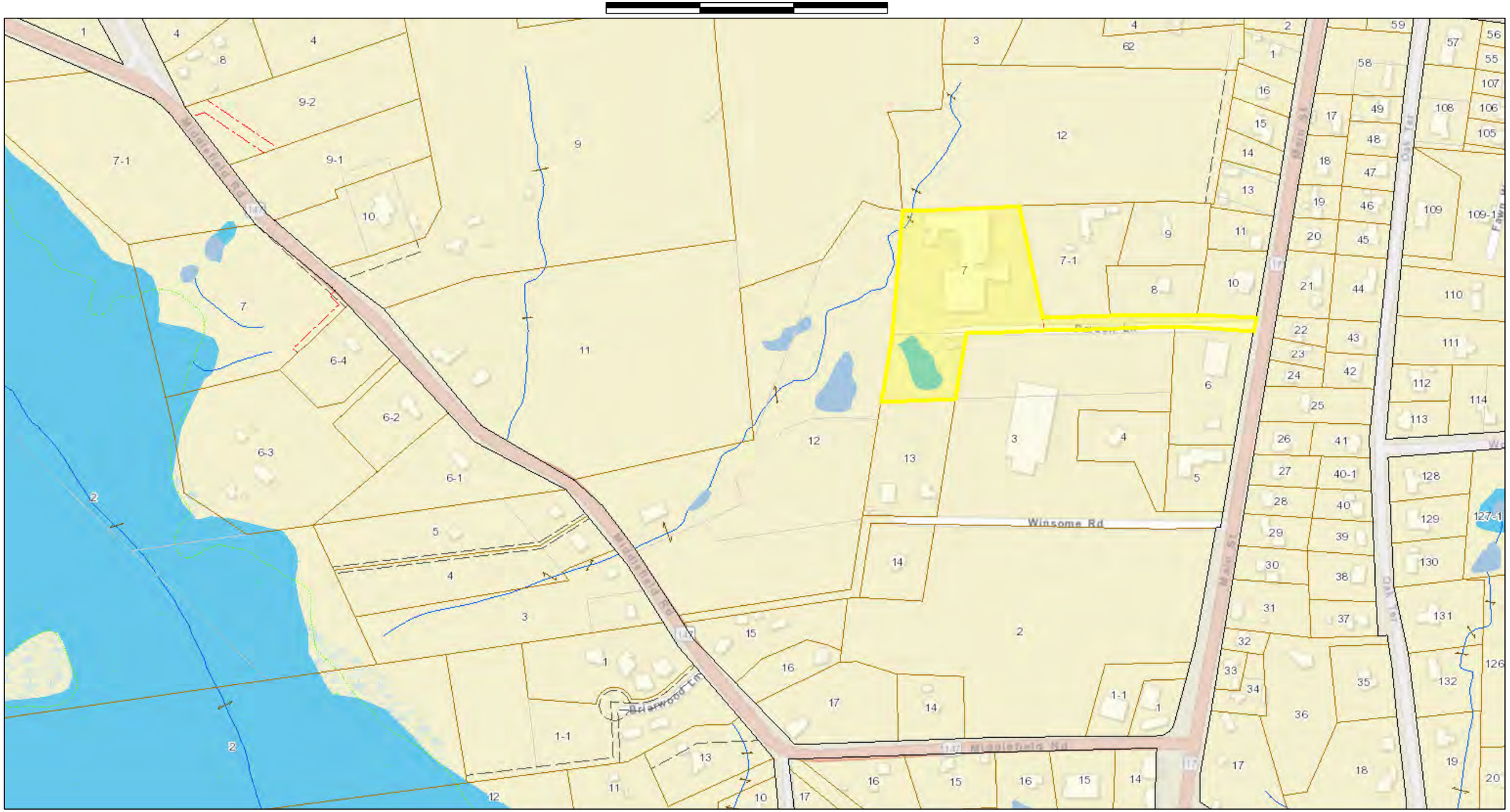
November 29, 2018

1 inch = 268 Feet

0 268 537 806

CAI Technologies

www.cai-tech.com



Data shown on this map is provided for planning and informational purposes only. The municipality and CAI Technologies are not responsible for any use for other purposes or misuse or misrepresentation of this map.

TOWN OF DURHAM

Department of Health
P.O. Box 428
Durham, Connecticut 06422-0428

MEMORANDUM

To: George M. Eames, III, Chairman, Planning and Zoning Commission

From: William R. Milardo, Jr., Assistant Health Officer

Date: April 5, 2006

Re: Kelly Enterprises, Site Plan Review, Conversion to 9 Industrial Units, 27 Parsons La

The site plan as revised on April 4, 2206 has been reviewed and approved with respect to the Connecticut Public Health Code. The existing subsurface sewage disposal system constructed in 1985 can accommodate the proposed number of employees, 30.

The applicant has been made aware that the well water supply, which served the former Parsons Manufacturing Company, had been classified as a non-transient non-community (NTNC) public water system by the Connecticut Department of Public Health. When the number of employees is 25 or more, the water system warrants classification as a NTNC system whereby a certified operator and strict adherence to a water quality monitoring schedule are required.

Printed on recycled paper

ENGINEERING REPORT
ON THE INVESTIGATION OF THE
SUBSURFACE SEWAGE DISPOSAL SYSTEM
FOR THE
WILLIAM A. PARSONS COMPANY, INC.
DURHAM, CONNECTICUT

PROBLEM DEFINITION

During late winter and early spring of 1985 the William A. Parsons Company experienced problems with overflows from an existing septic tank located to the west of the existing manufacturing plant. Following the initial overflow, the Company periodically has had a septic tank pumper pump the tank down so as to prevent future overflows. Plant representatives indicated that during pumping operations effluent from the leaching system would flow back into the septic tank.

EXISTING SYSTEM

No As-Built Drawings or records of the size or age of the existing subsurface sewage disposal system are available. The existing waste line leaves the west side of the plant and apparently connects to two septic tanks of unknown size connected in series. The recollection of plant representatives is that the initial leaching system consisted of a stone filled excavation which was enlarged approximately ten or fifteen years ago. The system reportedly extends in a north/south direction along the edge of the existing parking lot pavement.

In May of this year, subsurface investigations were conducted in part to locate and determine the condition of the existing leaching system. Using a hydraulic backhoe, excavations began with Test Pit 1 (see Figure 1). Material encountered consisted of a brown fine to coarse sand and gravel with no water or seeps noted in the excavation. After reaching a depth of approximately 48 inches the east wall of the excavation cracked and then gave way with an instantaneous release of sewage effluent flooding the excavation. It was apparent that the test pit was excavated immediately adjacent to the existing leaching field and that an extensive, almost impermeable, crust had developed at the stone/soil interface of the existing leaching field. This condition would explain earlier observations noted by plant representatives during pump out of the septic tanks, and for the absence of any water or

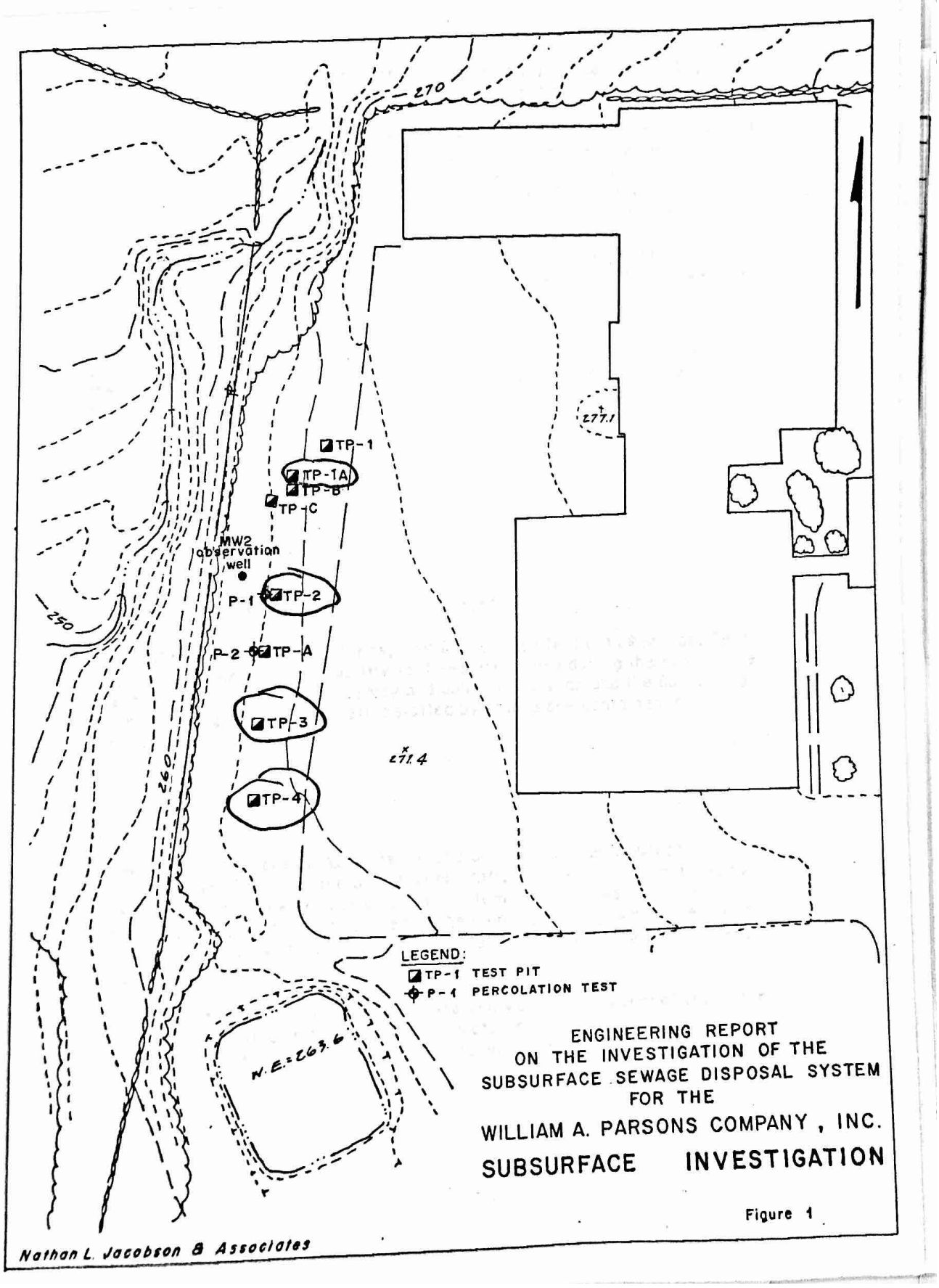
seeps noted in the test pit. A biological "crust" normally develops at the stone-soil interface and it is this crust that is responsible both for a major portion of the purification of the septic tank effluent and for limiting the ability of the purified liquid to leach into the surrounding soil. When a system becomes overloaded, this crust can become virtually impermeable. Such an overloaded condition can be caused by the original system being undersized, an increase in sewage flow, or a carryover of solids from the septic tank into the leaching field. The carryover of solids can be caused by any one or a combination of factors including the following:

A. Inadequately maintained tank (infrequent pumpings).
B. Inadequately sized tank (<24 hour detention time).
C. Broken Baffles.

It should also be noted that while leaching systems have been known to function without problems for decades, an average useful life of 15 years is more typical.

SUBSURFACE INVESTIGATIONS

As previously noted, subsurface investigations were conducted in May of this year in part to locate and determine the condition of the existing leaching system, and to document subsurface conditions. The initial investigation included the excavation of the five Test Pits located in the grassed area to the west of the plant between the edge of the parking lot pavement and the top of slope (see Figure 1). With the exception of Test Pit 1, which was backfilled after being flooded, all pits were excavated to depths of 8 to 9 feet below existing ground. In general, the Test Pits revealed a consistent soil profile including a brown topsoil layer to a depth of between 8 and 10 inches underlain by a brown fine to coarse sand and gravel fill material to a depth of 42 to 48 inches. At this point two of the Test Pits contained a layer of brown topsoil/subsoil which appeared to be the original ground prior to the placement of the upper layer of fill material. With the exception of the above noted variation all holes continued with a red brown fine sand to a depth of 6 to 8 feet underlain by a more compact layer of brown fine to coarse sand, some fine to medium gravel with a trace of silt. No ledge was encountered in any of the Test Pits, and with the exception of a seep noted in Test Pit 1A at a depth of 72 inches, no water was found. To gain a general understanding of the ability of existing soil to accept sewage effluent, two Percolation Tests were run at depths of 34 and 78 inches below existing ground. Both tests yielded percolation rates of 5 minutes per inch indicating soils that are suitable for subsurface sewage disposal.


270
277.1
277.4
260
250
TP-1
TP-1A
TP-B
TP-C
MW2
observation
well
P-1
TP-2
P-2
TP-A
TP-3
TP-4
N.E.=263.6
LEGEND:
TP-1 TEST PIT
P-1 PERCOLATION TEST
ENGINEERING REPORT
ON THE INVESTIGATION OF THE
SUBSURFACE SEWAGE DISPOSAL SYSTEM
FOR THE
WILLIAM A. PARSONS COMPANY, INC.
SUBSURFACE INVESTIGATION
Figure 1
Nathan L. Jacobson & Associates

Following the initial investigation of the existing subsurface sewage disposal system and subsurface conditions, it was apparent that a new replacement system would be required and that the grassed area located between the edge of the existing parking lot and top of slope would be a suitable location for the new system. Given the relatively dry conditions which prevailed throughout the spring of 1985, additional soils investigations were conducted by a Certified Soil Scientist during the first week of June. The primary objective of the additional investigation was to obtain undisturbed soil cores which could be transported to the laboratory and saturated prior to running permeability tests. This testing found permeability rates to be in the range of 6.7 to 33.2 feet per day, and provided more reliable data for sizing a new replacement subsurface sewage disposal system.

In addition to on-site testing, limited data available in company files for the existing observation well installed by others and located within the area of the current subsurface investigations indicated the following static water levels as measured below the ground surface.

Date	Water Level Below Ground Surface (Feet)
4/26/83	7.76
4/27/83	8.66
5/10/83	11.52

Copies of the Test Pit Data Records, Soil Percolation Test Data Records, Test Hole Descriptions and Permeability Test Results logged during the subsurface investigations conducted during May and June of this year and the Boring Log for the existing observation well installed by others are contained in Appendix A.

WASTEWATER FLOWS

The William A. Parsons Company is a manufacturing operation which employs between 75 and 80 people on a single work shift. Wastewater discharged to the existing subsurface sewage disposal system is generated solely from mens and womens bathrooms located in the manufacturing, and office areas. Based on interviews with company representatives, no process wastewaters are discharged to this system.

In order to obtain data on actual water use and wastewater generation, water meters were installed on the hot and cold water supply lines to the mens and womens bathrooms located in the manufacturing area. These meters were of

the displacement type commonly used by water utility companies for recording water use and met the American Water Works Association Standards for Cold Water Meters - Displacement Type (AWWA C700). The meter readings were recorded at daily intervals at the beginning of the work day over a period extending from February 15 to April 10, 1985. In addition to the water use data, information was also obtained for a portion of the reporting period on the number of manufacturing employees working during each recording period. It should be noted at this point that, while the water use metered did not include that used in the office bathrooms, the manufacturing area represents approximately 85 percent of the total plant employment and should provide conservative per capita generation rates.

The table below shows the data obtained during the period from February 15 to March 4.

		Water Meter Reading	
		Cold	Hot
Date	No. of Employees	(Gals)	(Cu.Ft.)
2-15	55	0	050105
2-16	25	1390	
2-18	64	2230	
2-20	64	3270	
2-21	66	4230	
2-22	66		
2-23	35		
2-25	63		
2-26	62		
2-27	63		
2-28	66		
3-1	60		
3-2	23		
3-4	62	10450	051082
TOTALS	774	10,450	977

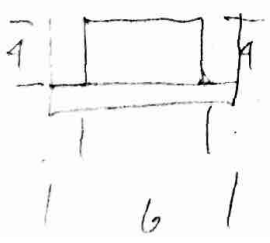
After converting the hot water use to gallons and adding it to the cold water use, the total water consumption during the reporting period is 17,777 gallons. This yields an average per capita water consumption of approximately 23 gallons. The average daily design flow for a total workshift of 80 employees would therefore be 1,840 gallons per day.

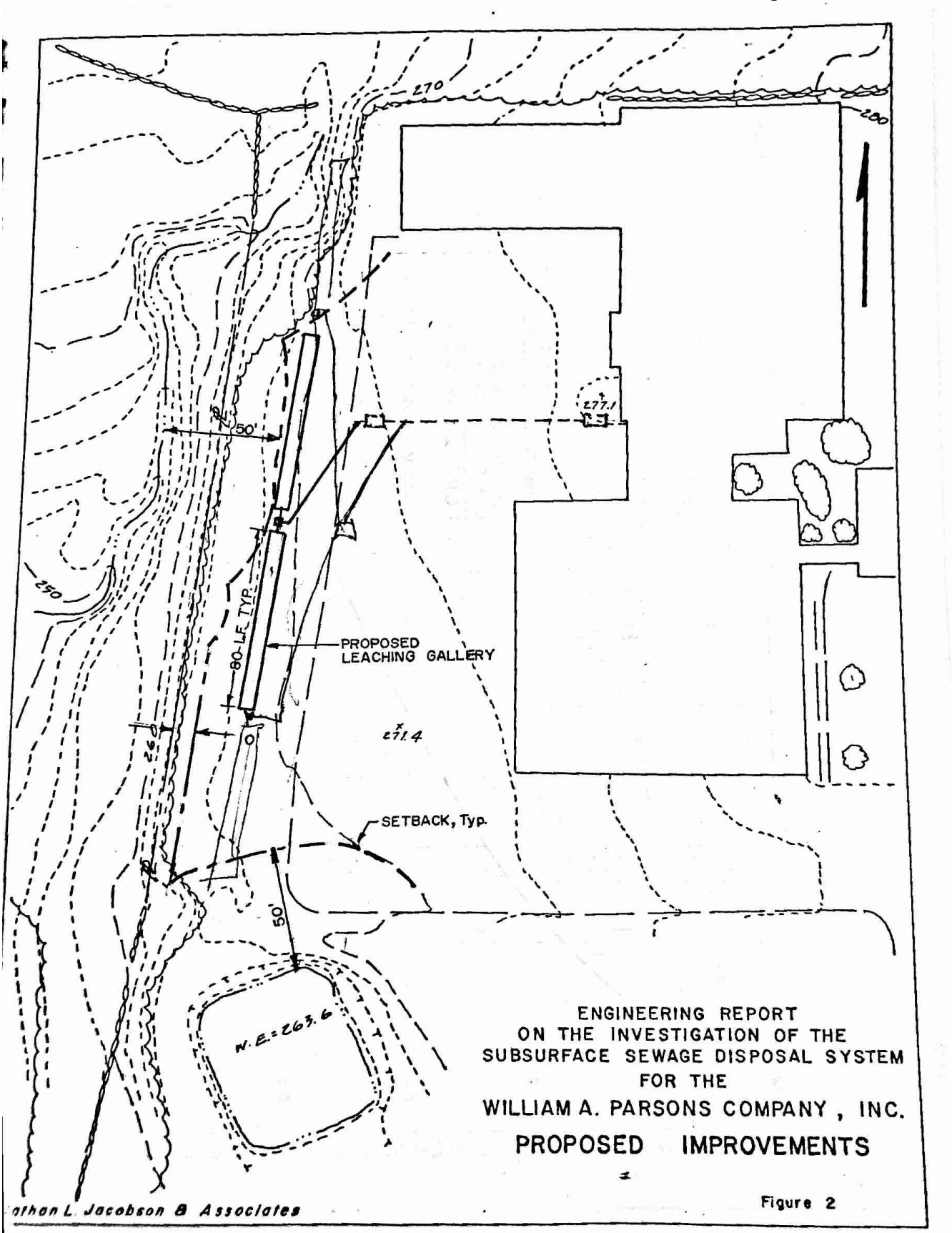
PROPOSED REPLACEMENT SYSTEM

Based on the information presented above, design parameters have been established and an area of suitable soils located on-site. After making

provisions for required setbacks from the existing watercourse, lagoon and property line, the useable area available for locating a proposed replacement system is somewhat limited. Given the limitations with respect to area, and the relatively low water table, the type of system which provide the greatest effective leaching area under these conditions would be galleries. This type of system also has the added benefit of providing a large internal storage volume which provides a buffer for slug flows. Utilizing a percolation rate of 5.1 to 10.0 minutes, the Public Health Code limits the application rate to 1.6 gallons per day per square foot of effective leaching area. Therefore the effective leaching area required is $\frac{1840}{1.6}$ = 1150 square feet - with 8 square feet of effective leaching area per linear foot of gallery, the total length of galleries required is $\frac{1150}{8}$ = 144 LF. To provide good distribution and to meet the Public Health Code limitations regarding the maximum length of galleries (75 ft), two sections of at least 72 LF should be provided. As can be seen from Figure 2, there is sufficient suitable area on site to accommodate this system.

As previously discussed, due to the relatively dry spring, permeability tests were run. This testing provided us with the data necessary to size the leaching gallery system based on the application of design criteria established by the Connecticut Department of Environmental Protection, which requires consideration of the permeability of the soils underlying the gallery system and the long term acceptance rate of the pretreated wastewater by the biocrust which develops at the interface of the soil-gallery system. The long term acceptance rate (LTAR) is dependent on the soil permeability and also on the characteristics of the septic tank effluent discharged to the galleries. Figure No. 3 shows the relationship between the LTAR and the soil permeability based on the representative characteristics of septic tank effluent from household (domestic) wastewater disposal systems. In that the wastewater characteristics generated from the subject facility are expected to be similar to that generated from household systems, Figure 3 is considered to be applicable. In order to provide suitable soil conditions for the proposed system, it is recommended that the soil underneath the leaching galleries be excavated to a depth where optimum permeability values were obtained, and replaced with a clean sand fill. Based on the permeability of 33.2 feet per day (0.023 feet per minute) the LTAR from Figure 3 is 0.8 gallons per day per square feet of effective leaching area. Based on the design flow, the required effective leaching area is therefore $\frac{1840}{0.8}$ = 2300 square feet. In using the Department of Environmental Protection Design Methodology, the effective leaching area is considered to be the bottom, sides and ends of the stone filled excavation. Assuming that the 4' x 4' galleries are surrounded with 12 inches of crushed stone, the effective leaching area per linear foot would be 14 square feet excluding the end area which would have an effective leaching area of 24 square feet. The total length of galleries required will therefore be as follows:




270
280
277.1
50'
250
80-LF. TYP.
PROPOSED
LEACHING GALLERY
277.4
20'
0'
SETBACK, Typ.
50'
N. E. = 263.6
ENGINEERING REPORT
ON THE INVESTIGATION OF THE
SUBSURFACE SEWAGE DISPOSAL SYSTEM
FOR THE
WILLIAM A. PARSONS COMPANY, INC.
PROPOSED IMPROVEMENTS
Figure 2
Jonathan L. Jacobson & Associates

NATHAN L. JACOBSON & ASSOCIATES
Consulting Engineers
Civil & Environmental Engineering

September 17, 1985

Mr. Ken Majors
Water Compliance Unit
Department of Environmental Protection
State Office Building
165 Capitol Avenue
Hartford, CT 06106

RE: William A. Parsons Co., Inc.
Subsurface Sewage Disposal System
NLJ #273-85

Dear Mr. Majors:

At the request of Mr. Bob Tommell, Durham Town Engineer, we are advising you that the William A. Parsons Company is proposing to construct a new subsurface sewage disposal system immediately downgradient of their existing system, and just upgradient of an existing small diameter monitoring well identified as MW-2. It is my understanding that the monitoring well was installed during a hydrogeologic and engineering investigation that was conducted to address a DEP order.

Should you have any problems or concerns with the location of the system at this location, we would appreciate hearing from you within the next week.

Very truly yours,

NATHAN L. JACOBSON & ASSOCIATES

Geoffrey L. Jacobson, P.E.

GLJ:cma
cc/Bruce Parsons
Mark C. Possidento
Bob Tommell

86 Main Street □ P.O. Box 337 □ Chester, Connecticut 06412 □ (203) 526-9591

NATHAN L. JACOBSON & ASSOCIATES **September 20, 1985**

MEMORANDUM

TO: Bob Tommell

FROM: Geoffrey L. Jacobson, P. E.

PROJECT NO: NLJ #273-85

SUBJECT: WILLIAM A. PARSONS CO., INC., SSDS

COPIES TO: Bruce Parsons

****

I received a phone call from Ken Majors to advise me that the DEP has no objections to constructing a new subsurface sewage disposal system immediately downgradient of the existing system and just upgradient of monitoring well MW-2. As a result of this discussion, we will now finalize the construction plan and deliver it to your office early next week for final review and approval.

G. L. J.

Geoff - 526-9571

TOWN OF DURHAM

Town Engineer • Connecticut 06422

October 4, 1985

Geoffrey L. Jacobson, P.E.
86 Main Street
P.O. Box 337
Chester, CT 06412

RE: WILLIAM A. PARSONS, CO., INC.
Subsurface Sewage Disposal System
Town of Durham Engineer's Review

Dear Geoff:

I have reviewed the above detailed plans entitled "Subsurface Sewage Disposal System" September 10, 1985, and have the following comments:

yes ✓ 1. Please note there are no potable in-use wells within 75' of the proposed system.

Cond ✓ (2.) Design engineer to provide: Condition of Approval
a. vertical and horizontal layout of system;
b. periodic supervision of system installation;
c. vertical and horizontal as-built of system prior to town inspection.

Note ✓ 3. Administrative procedure for disposing of leaching materials shall be completed prior to start of construction, i.e. disposal site chosen and approved. Please conform to Section 19-13-B103c, pg. 132 of the Public Health code.

OK (4.) Leaching material source to be verified prior to construction.

Cond ✓ 5. Design engineer to evaluate existing pipe and tank between building and new construction for function integrity and longevity and make recommendation.

Cond 6. Design engineer to give direct guidance to contractor at connection to existing waste line. Please provide at the valve stem a direction indicator.

Note ✓ 7. Please add to note #1 of Sequence of Construction, Town of Durham, "...Engineer be notified also."

OK (8.) Please address the following questions:
a. Will the verification of on-site leaching fill material impede the progress of construction?

-continued-

8. continued
   b. Will each 12" layer below the galleries be perc'd individually and will the leaching fill materials adjacent to the galleries be compacted after the gallery is installed and perc'd?

9. Erosion and sediment controls shall be implemented as required to protect the surrounding areas according to Connecticut Guidelines for Soil Erosion and Sediment Control, January 1985.

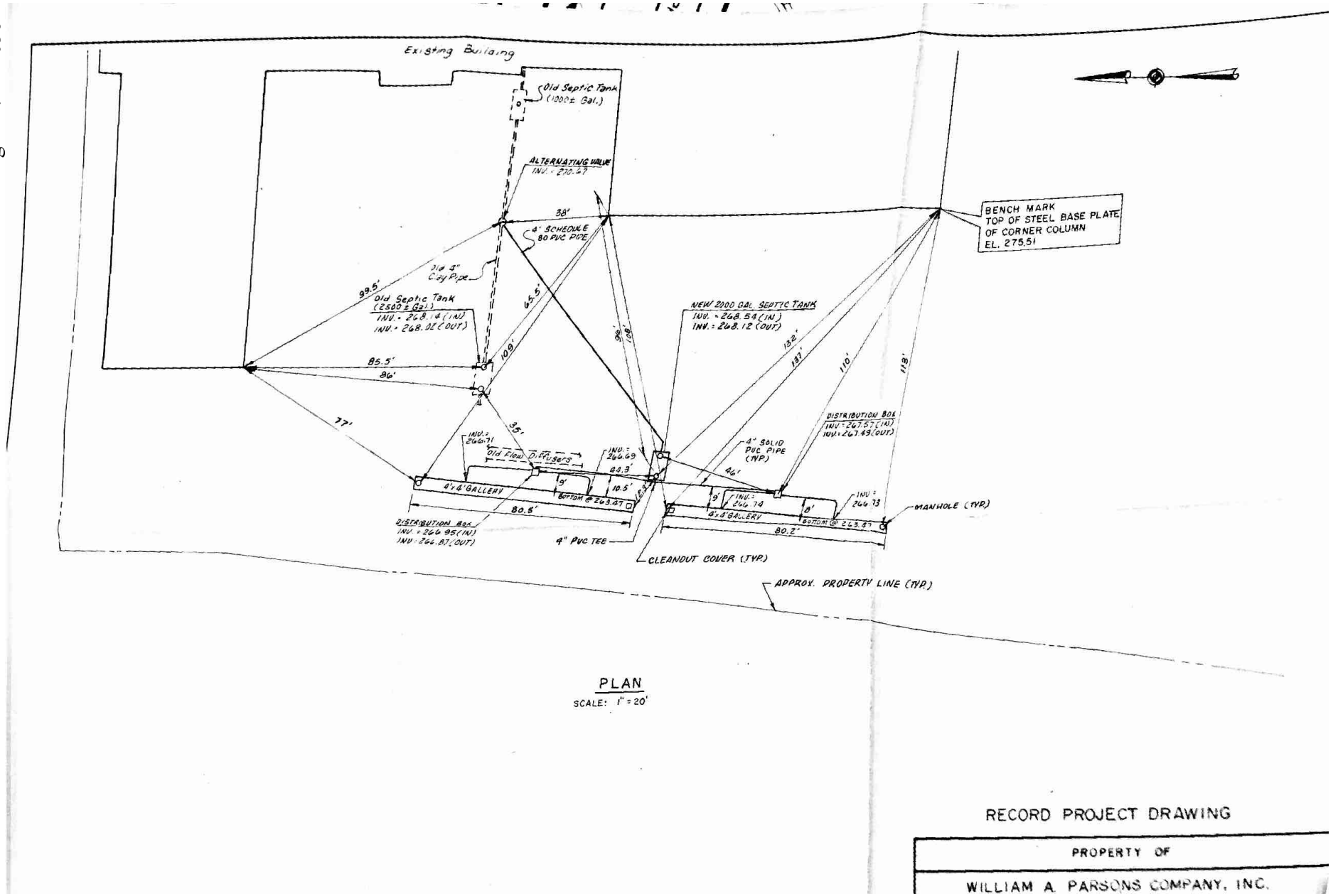
Please address the above comments and questions prior to requesting a septic permit.

Respectfully yours,

Robert W. Tommell

Robert W. Tommell, P.E.
Town Engineer

RWT:dda
cc: M. Foster Mather, DVM; First Selectman
Leo V. Willett, Jr., M.D.; Health Director
Bruce Parsons

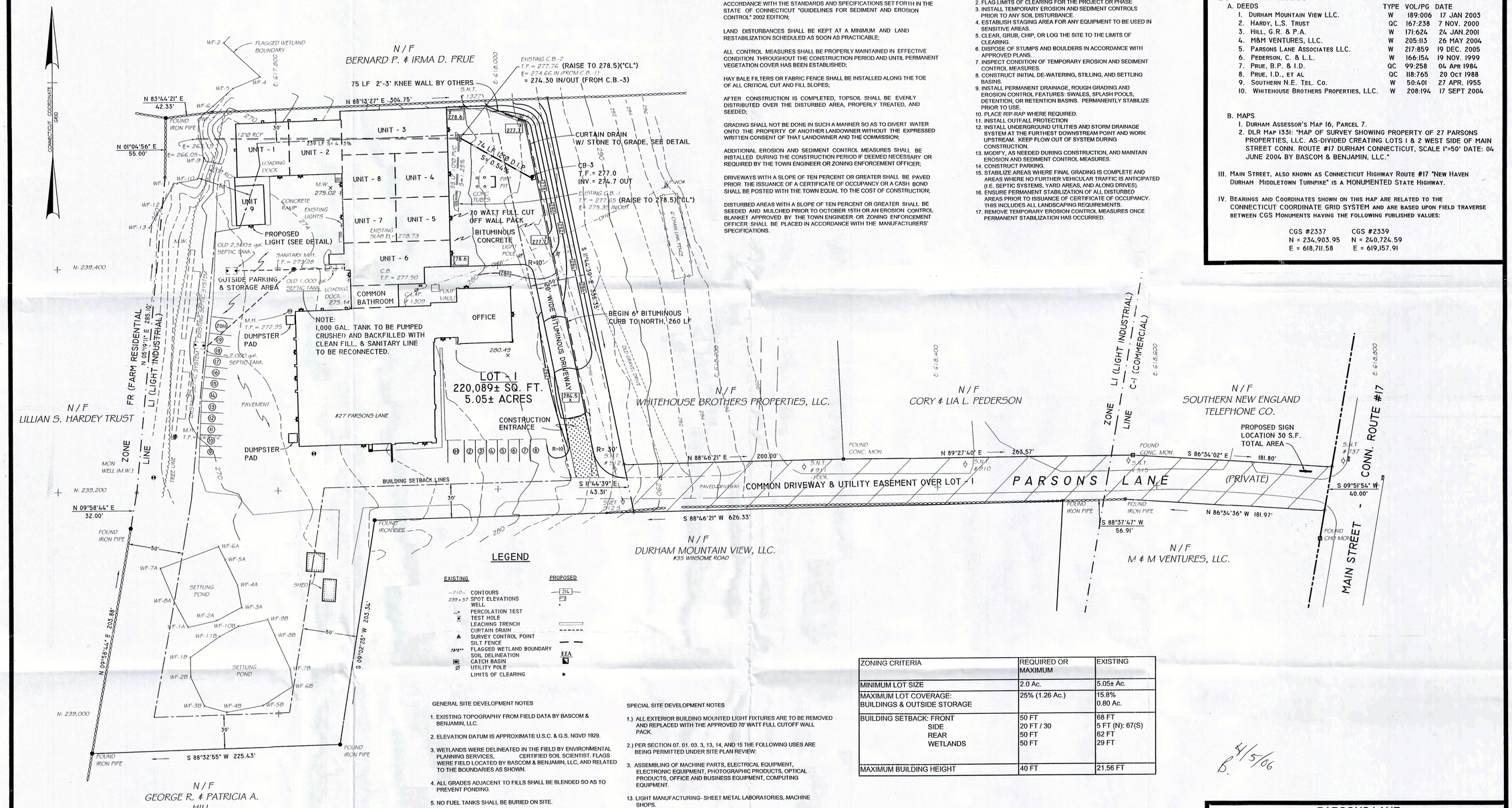


PLAN
SCALE: 1" = 20'

RECORD PROJECT DRAWING

PROPERTY OF

WILLIAM A. PARSONS COMPANY, INC.



LEGEND

EXISTING		PROPOSED
~210~	CONTOURS	214
239 x 57	SPOT ELEVATIONS	
	WELL	
	PERCOLATION TEST	
	TEST HOLE	
	LEACHING TRENCH	
	CURTAIN DRAIN	
▲	SURVEY CONTROL POINT	
	SILT FENCE	
	FLAGGED WETLAND BOUNDARY	
	SOIL DELINEATION	E.I.A.
	CATCH BASIN	
Ø	UTILITY POLE	
	LIMITS OF CLEARING	

EROSION & SEDIMENTATION CONTROL NOTES

ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE STATE OF CONNECTICUT "GUIDELINES FOR SEDIMENT AND EROSION CONTROL" 2002 EDITION;

LAND DISTURBANCES SHALL BE KEPT AT A MINIMUM AND LAND RESTABILIZATION SCHEDULED AS SOON AS PRACTICABLE;

ALL CONTROL MEASURES SHALL BE PROPERLY MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL PERMANENT VEGETATION COVER HAS BEEN ESTABLISHED;

HAY BALE FILTERS OR FABRIC FENCE SHALL BE INSTALLED ALONG THE TOE OF ALL CRITICAL CUT AND FILL SLOPES;

AFTER CONSTRUCTION IS COMPLETED, TOPSOIL SHALL BE EVENLY DISTRIBUTED OVER THE DISTURBED AREA, PROPERLY TREATED, AND SEEDED;

GRADING SHALL NOT BE DONE IN SUCH A MANNER SO AS TO DIVERT WATER ONTO THE PROPERTY OF ANOTHER LANDOWNER WITHOUT THE EXPRESSED WRITTEN CONSENT OF THAT LANDOWNER AND THE COMMISSION;

ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED DURING THE CONSTRUCTION PERIOD IF DEEMED NECESSARY OR REQUIRED BY THE TOWN ENGINEER OR ZONING ENFORCEMENT OFFICER;

DRIVEWAYS WITH A SLOPE OF TEN PERCENT OR GREATER SHALL BE PAVED PRIOR THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY OR A CASH BOND SHALL BE POSTED WITH THE TOWN EQUAL TO THE COST OF CONSTRUCTION;

DISTURBED AREAS WITH A SLOPE OF TEN PERCENT OR GREATER SHALL BE SEEDED AND MULCHED PRIOR TO OCTOBER 15TH OR AN EROSION CONTROL BLANKET APPROVED BY THE TOWN ENGINEER OR ZONING ENFORCEMENT OFFICER SHALL BE PLACED IN ACCORDANCE WITH THE MANUFACTURERS' SPECIFICATIONS.

LOT CONSTRUCTION SEQUENCE - SITE WORK

1. INSTALL CONSTRUCTION ENTRANCE(S).
2. FLAG LIMITS OF CLEARING FOR THE PROJECT OR PHASE
3. INSTALL TEMPORARY EROSION AND SEDIMENT CONTROLS PRIOR TO ANY SOIL DISTURBANCE.
4. ESTABLISH STAGING AREA FOR ANY EQUIPMENT TO BE USED IN SENSITIVE AREAS.
5. CLEAR, GRUB, CHIP, OR LOG THE SITE TO THE LIMITS OF CLEARING.
6. DISPOSE OF STUMPS AND BOULDERS IN ACCORDANCE WITH APPROVED PLANS.
7. INSPECT CONDITION OF TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES.
8. CONSTRUCT INITIAL DE-WATERING, STILLING, AND SETTLING BASINS.
9. INSTALL PERMANENT DRAINAGE, ROUGH GRADING AND EROSION CONTROL FEATURES: SWALES, SPLASH POOLS, DETENTION, OR RETENTION BASINS. PERMANENTLY STABILIZE PRIOR TO USE.
10. PLACE RIP-RAP WHERE REQUIRED.
11. INSTALL OUTFALL PROTECTION
12. INSTALL UNDERGROUND UTILITIES AND STORM DRAINAGE SYSTEM AT THE FURTHEST DOWNSTREAM POINT AND WORK UPSTREAM. KEEP FLOW OUT OF SYSTEM DURING CONSTRUCTION.
13. MODIFY, AS NEEDED DURING CONSTRUCTION, AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES.
14. CONSTRUCT PARKING.
15. STABILIZE AREAS WHERE FINAL GRADING IS COMPLETE AND AREAS WHERE NO FURTHER VEHICULAR TRAFFIC IS ANTICIPATED (I.E. SEPTIC SYSTEMS, YARD AREAS, AND ALONG DRIVES).
16. ENSURE PERMANENT STABILIZATION OF ALL DISTURBED AREAS PRIOR TO ISSUANCE OF CERTIFICATE OF OCCUPANCY. THIS INCLUDES ALL LANDSCAPING REQUIREMENTS.
17. REMOVE TEMPORARY EROSION CONTROL MEASURES ONCE PERMANENT STABILIZATION HAS OCCURRED.

NOTES & REFERENCES

I. DURHAM LAND RECORDS

A. DEEDS

		TYPE	VOL/PG	DATE
1.	Durham Mountain View LLC.	W	189:006	17 JAN 2003
2.	Hardy, L.S. Trust	QC	167:238	7 NOV. 2000
3.	Hill, G.R. & P.A.	W	171:624	24 JAN. 2001
4.	M&M Ventures, LLC.	W	205:113	26 MAY 2004
5.	Parsons Lane Associates LLC.	W	217:859	19 DEC. 2005
6.	Pederson, C. & L.L.	W	166:154	19 NOV. 1999
7.	Prue, B.P. & I.D.	QC	99:258	04 APR 1984
8.	Prue, I.D., et al	QC	118:765	20 Oct 1988
9.	Southern N.E. Tel. Co.	W	50:401	27 APR. 1955
10.	Whitehouse Brothers Properties, LLC.	W	208:194	17 SEPT 2004

B. MAPS
1. Durham Assessor's Map 16, Parcel 7.
2. DLR Map 1331: "Map of Survey Showing Property of 27 Parsons Properties, LLC. as-divided creating Lots 1 & 2 West side of Main Street Conn. Route #17 Durham Connecticut, Scale 1"=50' Date: 04 June 2004 by Bascom & Benjamin, LLC."

III. Main Street, also known as Connecticut Highway Route #17 "New Haven Durham Middletown Turnpike" is a MONUMENTED State Highway.

IV. Bearings and Coordinates shown on this map are related to the Connecticut Coordinate Grid System and are based upon field traverse between CGS Monuments having the following published values:

CGS #2337	CGS #2339
N = 234,903.95	N = 240,724.59
E = 618,711.58	E = 619,157.91

GENERAL SITE DEVELOPMENT NOTES

1. EXISTING TOPOGRAPHY FROM FIELD DATA BY BASCOM & BENJAMIN, LLC.
2. ELEVATION DATUM IS APPROXIMATE U.S.C. & G.S. NGVD 1929.
3. WETLANDS WERE DELINEATED IN THE FIELD BY ENVIRONMENTAL PLANNING SERVICES, CERTIFIED SOIL SCIENTIST. FLAGS WERE FIELD LOCATED BY BASCOM & BENJAMIN, LLC, AND RELATED TO THE BOUNDARIES AS SHOWN.
4. ALL GRADES ADJACENT TO FILLS SHALL BE BLENDED SO AS TO PREVENT PONDING.
5. NO FUEL TANKS SHALL BE BURIED ON SITE.
6. LOW WATER CONSUMPTION PLUMBING FIXTURES, INCLUDING 1.6 GAL/FLUSH TOILETS, SHOULD BE USED IN ALL UNITS IN THIS DEVELOPMENT.
7. FOR LOCATIONS OF UNDERGROUND ELECTRIC, TELEPHONE, GAS, CABLE TELEVISION, OR OTHER UTILITIES, INQUIRE AT THE APPROPRIATE UTILITY COMPANY AND CONTACT CALL BEFORE YOU DIG AT 1-800-922-4455.
8. DRIVEWAYS AND DRAIN OUTLETS SHALL BE DESIGNED AND CONSTRUCTED TO PREVENT ICING CONDITIONS ON THE TOWN ROAD.
9. ALL WORK TO CONFORM TO TOWN OF DURHAM SPECIFICATIONS AND REGULATIONS.
10. THE EXISTING SEPTIC SYSTEM LOCATION AS SHOWN IN FROM A MAP ENTITLED "PROPERTY OF WILLIAM A. PARSONS COMPANY, INC., SUBSURFACE SEWAGE DISPOSAL SYSTEM BY NATHAN L. JACOBSON & ASSOCIATES, 12/20/85" AS-BUILT.
11. THE EXISTING SEPTIC SYSTEM IS SIZED FOR APPROXIMATELY 60 PEOPLE PER SHIFT.

SPECIAL SITE DEVELOPMENT NOTES

1.) ALL EXTERIOR BUILDING MOUNTED LIGHT FIXTURES ARE TO BE REMOVED AND REPLACED WITH THE APPROVED 70' WATT FULL CUTOFF WALL PACK.

2.) PER SECTION 07..01..03. 3, 13, 14, AND 15 THE FOLLOWING USES ARE BEING PERMITTED UNDER SITE PLAN REVIEW:

3. ASSEMBLING OF MACHINE PARTS, ELECTRICAL EQUIPMENT, ELECTRONIC EQUIPMENT, PHOTOGRAPHIC PRODUCTS, OPTICAL PRODUCTS, OFFICE AND BUSINESS EQUIPMENT, COMPUTING EQUIPMENT.

13. LIGHT MANUFACTURING- SHEET METAL LABORATORIES, MACHINE SHOPS.

14. MAUNUFACTURE, PROCESSING, PACKAGING OR ASSEMBLING OF COMPONENT GOODS.

15. PLUMBING, HEATING, ELECTRICAL, INDUSTRIAL, AND HARDWARE AND CONTRACTING ESTABLISHMENTS.

3.) PARKING SPACE CALCULATIONS:
PER PARKING SECTION 10, .01 .01.9; 1 SP PER 1 ½ EMPLOYEES.
30 EMPLOYEES/1.5 = 20 SPACES REQUIRED
20 SPACES PROPOSED

ZONING CRITERIA	REQUIRED OR MAXIMUM	EXISTING
MINIMUM LOT SIZE	2.0 Ac.	5.05± Ac.
MAXIMUM LOT COVERAGE: BUILDINGS & OUTSIDE STORAGE	25% (1.26 Ac.)	15.8% 0.80 Ac.
BUILDING SETBACK: FRONT	50 FT	68 FT
SIDE	20 FT / 30	5 FT (N): 67(S)
REAR	50 FT	62 FT
WETLANDS	50 FT	29 FT
MAXIMUM BUILDING HEIGHT	40 FT	21.56 FT

0' 40' 80' 120'
SCALE IN FEET

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ALL RIGHTS RESERVED. THIS DOCUMENT OR ANY PART THEREOF MUST NOT BE REPRODUCED OR UTILIZED IN ANY FORM WITHOUT WRITTEN PERMISSION OF BASCOM & BENJAMIN,LLC.

This Survey and Map has been prepared in accordance with SECTIONS 20-300b-1 through 20-300b-20 of the REGULATIONS OF CONNECTICUT STATE AGENCIES "Minimum Standards for Surveys and Maps in the State of Connecticut" as endorsed by the Connecticut Association of Land Surveyors, Inc.

It is a TOPOGRAPHIC SURVEY based on the DEPENDENT RESURVEY METHOD conforming to Vertical Accuracy Class T-2 and Horizontal Accuracy Class A-2 and is intended to be used for the design of a Site Development Plan for this property.

This map is substantially correct to the best of my knowledge and belief.

Robert A. Bascom, L.S. Conn. License #14,199

4/5/06

REVISIONS

NO.	DESCRIPTION	BY	DATE
1	SIGN, LIGHTS	P.B.	3-17-06
2	SANITARY REVIEW	P.B.	4-4-06

PARSONS LANE
DURHAM CT.

PROPERTY OF:
PARSONS LANE ASSOCIATES, LLC.

SITE DEVELOPMENT PLAN

DESIGNED BY: P.M.B.
DRAWN BY: S.M.S.
CHECKED BY: P.M.B.
APPROVED BY:

PROJECT No. 208-0001
SHEET No. 1 OF 2
SCALE: 1"=40'
DATE: FEB. 2006

BASCOM & BENJAMIN, LLC
SURVEYING and ENGINEERING CONSULTANTS
360 MAIN STREET DURHAM, CONN
TEL. (860) 349 - 1676

NO POTABLE WELLS ARE LOCATED WITHIN 75 FEET OF THE PROPOSED SUBSURFACE SEWAGE DISPOSAL SYSTEM.

DISTRIBUTION BOX NO. 3
INV. = 266.72 (IN)
INV. = 266.55 (OUT)

APPROXIMATE LOCATIONS OF EXISTING SEPTIC TANKS EXACT VOLUME AND DIMENSIONS UNKNOWN.

EXISTING WASTE LINE EXACT LOCATION, SIZE AND TYPE UNKNOWN. CONTRACTOR TO VERIFY IN FIELD.

AT CONNECTION TO EXISTING WASTE LINE PROVIDE ALTERNATING VALVE INCLUDING FITTINGS AND SPOOL PIECES AS REQUIRED WITH RISER TO GRADE.

4" EXTRA HEAVY CAST IRON PIPE WITH TAPED JOINTS

2,000 GAL. SEPTIC TANK (TYP. OF 2) WITH DESIGN LOADING
INV. = 266.62 (IN)
INV. = 266.52 (OUT)

DISTRIBUTION BOX No. 1
INV. = 267.37 (IN)
INV. = 267.20 (OUT)

4 INCH DIAMETER SCHEDULE 40 PVC, TYP.

DISTRIBUTION BOX No. 2
INV. = 266.72 (IN)
INV. = 266.55 (OUT)

CONSTRUCT RISER WITH MANHOLE COVER AND FRAME TO GRADE (TYPICAL 2 LOCATIONS).

LEACHING FILL MATERIALS, TYP

APPROXIMATE LIMITS OF LEACHING FILL MATERIALS (DIMENSIONS SHOWN ARE MINIMUM REQUIRED AT BASE OF GALLERIES)

BENCH MARK
TOP OF STEEL BASE PLATE OF CORNER COLUMN.
EL. = 275.51

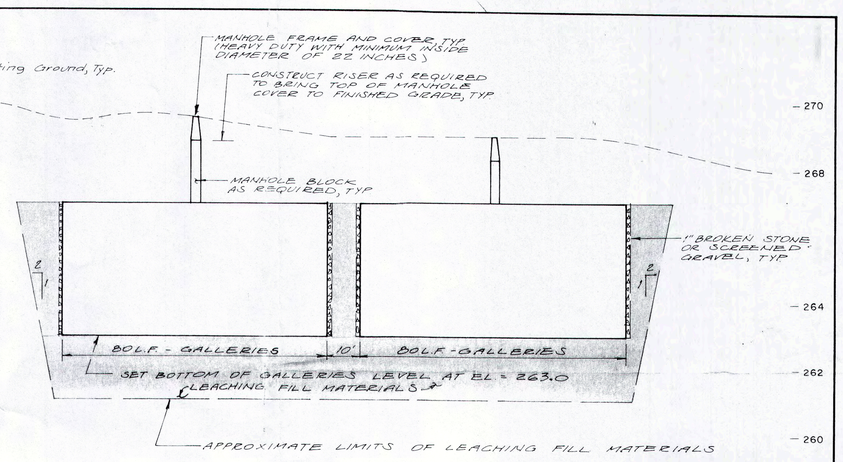
SET BACK, TYP

PROPOSED BURIAL SITE FOR MATERIAL CONTAMINATED BY SEPTIC TANK EFFLUENT

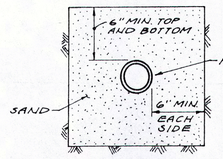
TP-1 TP-2 TP-3 TP-4

BOLF - GALLERIES

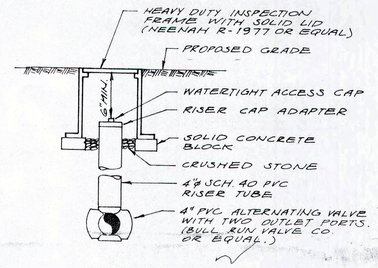
N.E. 263.6



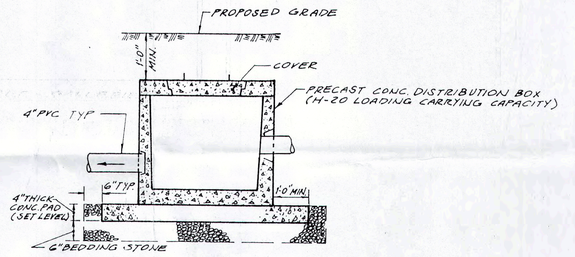
SECTION A — A
SCALE: Horiz. 1" = 20'
Vert. 1" = 2'



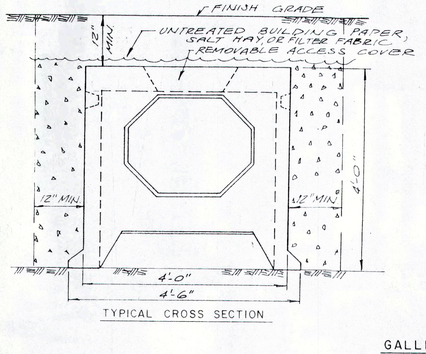
PIPE BEDDING DETAIL
(ALL PLASTIC PIPE)
N.T.S.



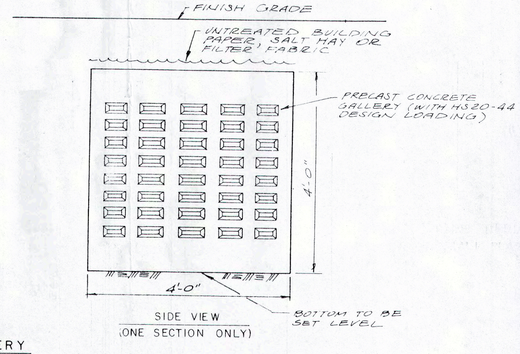
ALTERNATING VALVE DETAIL
N.T.S.



DISTRIBUTION BOX DETAIL
N.T.S.



TYPICAL CROSS SECTION



SIDE VIEW
(ONE SECTION ONLY)

GALLERY
N.T.S.

REVISIONS			
NO.	DESCRIPTION	BY	DATE
1	TOWN BYLAW COMMENTS	GLJ	11/1/85

PROPERTY OF
WILLIAM A. PARSONS COMPANY, INC.
DURHAM , CONNECTICUT

Date: SEPT. 10, 1985
Designed By: G.L.J.
Checked By: R.D.K
Approved By: N.L.J

SUBSURFACE SEWAGE DISPOSAL SYSTEM

Contract No. 273-85
Sheet No. 1 of 2
Scale AS SHOWN
Drwg. No. ——

Nathan L. Jacobson & Associates
CONSULTING ENGINEERS
86 MAIN ST. CHESTER, CONNECTICUT

APPENDIX C

Analytical Data Reports

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

October 22, 2018

Mike Gaughan
Eversource Emergency Response
107 Seldon Street
Berlin, CT 06037

Project Location: 27 Parsons Lane, Durham, CT
Client Job Number:
Project Number: CWC-18-00543
Laboratory Work Order Number: 18J0960

Enclosed are results of analyses for samples received by the laboratory on October 19, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Aaron L. Benoit
Project Manager

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Flag/Qualifier Summary 18
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Chain of Custody/Sample Receipt 21

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Eversource Emergency Response
107 Seldon Street
Berlin, CT 06037
ATTN: Mike Gaughan

REPORT DATE: 10/22/2018

PURCHASE ORDER NUMBER: 02283484 Release 2

PROJECT NUMBER: CWC-18-00543

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18J0960

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 27 Parsons Lane, Durham, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
67H10124	18J0960-01	Oil		EPA 600 4-81-045	
67J8112	18J0960-02	Water		SW-846 8082A	
67J8113	18J0960-03	Oil		EPA 600 4-81-045	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

EPA 600 4-81-045

Qualifications:

S-01

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl
18J0960-01[67H10124], 18J0960-03[67J8113]

Decachlorobiphenyl [2C]
18J0960-01[67H10124], 18J0960-03[67J8113]

Tetrachloro-m-xylene
18J0960-01[67H10124], 18J0960-03[67J8113]

Tetrachloro-m-xylene [2C]
18J0960-01[67H10124], 18J0960-03[67J8113]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J0960

Date Received: 10/19/2018

Field Sample #: 67H10124 | Sampled: 10/19/2018 08:30

Sample ID: 18J0960-01

Sample Matrix: Oil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	40	mg/Kg	40		EPA 600 4-81-045	10/19/18	10/19/18 12:36	TG
Aroclor-1221 [1]	ND	40	mg/Kg	40		EPA 600 4-81-045	10/19/18	10/19/18 12:36	TG
Aroclor-1232 [1]	ND	40	mg/Kg	40		EPA 600 4-81-045	10/19/18	10/19/18 12:36	TG
Aroclor-1242 [1]	ND	40	mg/Kg	40		EPA 600 4-81-045	10/19/18	10/19/18 12:36	TG
Aroclor-1248 [1]	ND	40	mg/Kg	40		EPA 600 4-81-045	10/19/18	10/19/18 12:36	TG
Aroclor-1254 [2]	210	40	mg/Kg	40		EPA 600 4-81-045	10/19/18	10/19/18 12:36	TG
Aroclor-1260 [1]	ND	40	mg/Kg	40		EPA 600 4-81-045	10/19/18	10/19/18 12:36	TG
Aroclor-1262 [1]	ND	40	mg/Kg	40		EPA 600 4-81-045	10/19/18	10/19/18 12:36	TG
Aroclor-1268 [1]	ND	40	mg/Kg	40		EPA 600 4-81-045	10/19/18	10/19/18 12:36	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	10/19/18 12:36
Decachlorobiphenyl [2]	*	30-150	S-01	10/19/18 12:36
Tetrachloro-m-xylene [1]	*	30-150	S-01	10/19/18 12:36
Tetrachloro-m-xylene [2]	*	30-150	S-01	10/19/18 12:36

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J0960

Date Received: 10/19/2018

Field Sample #: 67J8112 | Sampled: 10/19/2018 08:40

Sample ID: 18J0960-02

Sample Matrix: Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	24	µg/L	20		SW-846 8082A	10/19/18	10/19/18 18:40	PJG
Aroclor-1221 [1]	ND	24	µg/L	20		SW-846 8082A	10/19/18	10/19/18 18:40	PJG
Aroclor-1232 [1]	ND	24	µg/L	20		SW-846 8082A	10/19/18	10/19/18 18:40	PJG
Aroclor-1242 [1]	ND	24	µg/L	20		SW-846 8082A	10/19/18	10/19/18 18:40	PJG
Aroclor-1248 [1]	ND	24	µg/L	20		SW-846 8082A	10/19/18	10/19/18 18:40	PJG
Aroclor-1254 [2]	110	24	µg/L	20		SW-846 8082A	10/19/18	10/19/18 18:40	PJG
Aroclor-1260 [1]	ND	24	µg/L	20		SW-846 8082A	10/19/18	10/19/18 18:40	PJG
Aroclor-1262 [1]	ND	24	µg/L	20		SW-846 8082A	10/19/18	10/19/18 18:40	PJG
Aroclor-1268 [1]	ND	24	µg/L	20		SW-846 8082A	10/19/18	10/19/18 18:40	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	56.8	30-150		10/19/18 18:40
Decachlorobiphenyl [2]	68.1	30-150		10/19/18 18:40
Tetrachloro-m-xylene [1]	67.7	30-150		10/19/18 18:40
Tetrachloro-m-xylene [2]	69.7	30-150		10/19/18 18:40

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J0960

Date Received: 10/19/2018

Field Sample #: 67J8113 | Sampled: 10/19/2018 08:45

Sample ID: 18J0960-03

Sample Matrix: Oil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	39	mg/Kg	40		EPA 600 4-81-045	10/19/18	10/19/18 12:54	TG
Aroclor-1221 [1]	ND	39	mg/Kg	40		EPA 600 4-81-045	10/19/18	10/19/18 12:54	TG
Aroclor-1232 [1]	ND	39	mg/Kg	40		EPA 600 4-81-045	10/19/18	10/19/18 12:54	TG
Aroclor-1242 [1]	ND	39	mg/Kg	40		EPA 600 4-81-045	10/19/18	10/19/18 12:54	TG
Aroclor-1248 [1]	ND	39	mg/Kg	40		EPA 600 4-81-045	10/19/18	10/19/18 12:54	TG
Aroclor-1254 [2]	230	39	mg/Kg	40		EPA 600 4-81-045	10/19/18	10/19/18 12:54	TG
Aroclor-1260 [1]	ND	39	mg/Kg	40		EPA 600 4-81-045	10/19/18	10/19/18 12:54	TG
Aroclor-1262 [1]	ND	39	mg/Kg	40		EPA 600 4-81-045	10/19/18	10/19/18 12:54	TG
Aroclor-1268 [1]	ND	39	mg/Kg	40		EPA 600 4-81-045	10/19/18	10/19/18 12:54	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	10/19/18 12:54
Decachlorobiphenyl [2]	*	30-150	S-01	10/19/18 12:54
Tetrachloro-m-xylene [1]	*	30-150	S-01	10/19/18 12:54
Tetrachloro-m-xylene [2]	*	30-150	S-01	10/19/18 12:54

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Sample Extraction Data

Prep Method: SW-846 3580A-EPA 600 4-81-045

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18J0960-01 [67H10124]	B215197	0.202	10.0	10/19/18
18J0960-03 [67J8113]	B215197	0.206	10.0	10/19/18

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18J0960-02 [67J8112]	B215190	170	10.0	10/19/18

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B215190 - SW-846 3510C										
Blank (B215190-BLK1)				Prepared & Analyzed: 10/19/18						
Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	*1.14*		µg/L	2.00		57.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.35*		µg/L	2.00		67.6	30-150			
Surrogate: Tetrachloro-m-xylene	*1.02*		µg/L	2.00		51.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.11*		µg/L	2.00		55.6	30-150			
LCS (B215190-BS1)				Prepared & Analyzed: 10/19/18						
Aroclor-1016	0.44	0.20	µg/L	0.500		89.0	40-140			
Aroclor-1016 [2C]	0.47	0.20	µg/L	0.500		93.9	40-140			
Aroclor-1260	0.43	0.20	µg/L	0.500		85.7	40-140			
Aroclor-1260 [2C]	0.48	0.20	µg/L	0.500		96.7	40-140			
Surrogate: Decachlorobiphenyl	*1.55*		µg/L	2.00		77.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.84*		µg/L	2.00		91.8	30-150			
Surrogate: Tetrachloro-m-xylene	*1.27*		µg/L	2.00		63.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.37*		µg/L	2.00		68.6	30-150			
LCS Dup (B215190-BSD1)				Prepared & Analyzed: 10/19/18						
Aroclor-1016	0.49	0.20	µg/L	0.500		98.6	40-140	10.3	20	
Aroclor-1016 [2C]	0.50	0.20	µg/L	0.500		99.7	40-140	6.08	20	
Aroclor-1260	0.44	0.20	µg/L	0.500		87.4	40-140	1.90	20	
Aroclor-1260 [2C]	0.49	0.20	µg/L	0.500		98.6	40-140	1.88	20	
Surrogate: Decachlorobiphenyl	*1.48*		µg/L	2.00		74.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.76*		µg/L	2.00		87.8	30-150			
Surrogate: Tetrachloro-m-xylene	*1.45*		µg/L	2.00		72.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.58*		µg/L	2.00		79.0	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B215197 - SW-846 3580A										
Blank (B215197-BLK1)				Prepared & Analyzed: 10/19/18						
Aroclor-1016	ND	0.98	mg/Kg							
Aroclor-1016 [2C]	ND	0.98	mg/Kg							
Aroclor-1221	ND	0.98	mg/Kg							
Aroclor-1221 [2C]	ND	0.98	mg/Kg							
Aroclor-1232	ND	0.98	mg/Kg							
Aroclor-1232 [2C]	ND	0.98	mg/Kg							
Aroclor-1242	ND	0.98	mg/Kg							
Aroclor-1242 [2C]	ND	0.98	mg/Kg							
Aroclor-1248	ND	0.98	mg/Kg							
Aroclor-1248 [2C]	ND	0.98	mg/Kg							
Aroclor-1254	ND	0.98	mg/Kg							
Aroclor-1254 [2C]	ND	0.98	mg/Kg							
Aroclor-1260	ND	0.98	mg/Kg							
Aroclor-1260 [2C]	ND	0.98	mg/Kg							
Aroclor-1262	ND	0.98	mg/Kg							
Aroclor-1262 [2C]	ND	0.98	mg/Kg							
Aroclor-1268	ND	0.98	mg/Kg							
Aroclor-1268 [2C]	ND	0.98	mg/Kg							
Surrogate: Decachlorobiphenyl	*9.68*		mg/Kg	9.80		98.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*8.53*		mg/Kg	9.80		87.0	30-150			
Surrogate: Tetrachloro-m-xylene	*8.44*		mg/Kg	9.80		86.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*8.35*		mg/Kg	9.80		85.1	30-150			
LCS (B215197-BS1)				Prepared & Analyzed: 10/19/18						
Aroclor-1260	5.5	1.0	mg/Kg	5.12		108	85-115			
Aroclor-1260 [2C]	5.2	1.0	mg/Kg	5.12		102	85-115			
Surrogate: Decachlorobiphenyl	*9.51*		mg/Kg	9.95		95.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*8.40*		mg/Kg	9.95		84.4	30-150			
Surrogate: Tetrachloro-m-xylene	*8.30*		mg/Kg	9.95		83.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*8.25*		mg/Kg	9.95		82.9	30-150			
LCS Dup (B215197-BSD1)				Prepared & Analyzed: 10/19/18						
Aroclor-1260	5.4	1.0	mg/Kg	5.20		104	85-115	2.59	30	
Aroclor-1260 [2C]	5.1	1.0	mg/Kg	5.20		98.7	85-115	2.32	30	
Surrogate: Decachlorobiphenyl	*9.36*		mg/Kg	9.95		94.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*8.27*		mg/Kg	9.95		83.1	30-150			
Surrogate: Tetrachloro-m-xylene	*8.28*		mg/Kg	9.95		83.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*8.25*		mg/Kg	9.95		82.9	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA 600 4-81-045

67H19124

Lab Sample ID: 18J0960-01 Date(s) Analyzed 10/19/2018 10/19/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	210	
	2	0.000	0.000	0.000	210	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

67J8112

Lab Sample ID: 18J0960-02 Date(s) Analyzed 10/19/2018 10/19/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	98	
	2	0.000	0.000	0.000	110	11.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA 600 4-81-045

67J8113

Lab Sample ID: 18J0960-03 Date(s) Analyzed 10/19/2018 10/19/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	220	
	2	0.000	0.000	0.000	230	4.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B215190-BS1 Date(s) Analyzed 10/19/2018 10/19/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.44	
	2	0.000	0.000	0.000	0.47	4.4
Aroclor-1260	1	0.000	0.000	0.000	0.43	
	2	0.000	0.000	0.000	0.48	11.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B215190-BSD1 Date(s) Analyzed 10/19/2018 10/19/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.49	
	2	0.000	0.000	0.000	0.50	2.0
Aroclor-1260	1	0.000	0.000	0.000	0.44	
	2	0.000	0.000	0.000	0.49	10.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA 600 4-81-045

LCS

Lab Sample ID: B215197-BS1 Date(s) Analyzed 10/19/2018 10/19/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	5.5	
	2	0.000	0.000	0.000	5.2	7.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA 600 4-81-045

LCS Dup

Lab Sample ID: B215197-BSD1 Date(s) Analyzed 10/19/2018 10/19/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	5.4	
	2	0.000	0.000	0.000	5.1	5.7

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 600 4-81-045 in Oil	
Aroclor-1016	MA,NY,ME
Aroclor-1016 [2C]	MA,NY,ME
Aroclor-1221	MA,NY,ME
Aroclor-1221 [2C]	MA,NY,ME
Aroclor-1232	MA,NY,ME
Aroclor-1232 [2C]	MA,NY,ME
Aroclor-1242	MA,NY,ME
Aroclor-1242 [2C]	MA,NY,ME
Aroclor-1248	MA,NY,ME
Aroclor-1248 [2C]	MA,NY,ME
Aroclor-1254	MA,NY,ME
Aroclor-1254 [2C]	MA,NY,ME
Aroclor-1260	MA,NY,ME
Aroclor-1260 [2C]	MA,NY,ME
Aroclor-1262	MA,NY,ME
Aroclor-1262 [2C]	MA,NY,ME
Aroclor-1268	MA,NY,ME
Aroclor-1268 [2C]	MA,NY,ME
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Water	
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

1810960

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name: Eversource
Address: 107 Selden St, Berlin, CT
Phone: 860-559-3560
Project Name:
Project Location: 67 Parsons Lane, Durham, CT
Project Number: CWC-18-00543
Project Manager: Mike Gaughan
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: MMG

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date: ASAP**

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: michael.gaughan@eversource.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCB 8082	# of Containers	[2] Preservation Code	[3] Container Code
1	67H10124	10/19/18	0830		X	O	H*	X	3	H	G
2	67J8112	10/19/18	0840		X	O'	H*	X	3	H	G
3	67J8113	10/19/18	0845		X	O* (A6)	H*	X	3	H	G

ANALYSIS REQUESTED

Dissolved Metals Samples
O Field Filtered
O Lab to Filter

Orthophosphate Samples
O Field Filtered
O Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define) O: oil
O' oil/water

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: * PCB in oil expected to be 100-300 ppm

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
	10/19/18 0917
Received by: (signature)	Date/Time:
	10-19-18 0917
Relinquished by: (signature)	Date/Time:
	10-19-18 10:55
Received by: (signature)	Date/Time:
4.6	10/19/18 1055
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT
Other*

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☒ Non Soxhlet

Page 21 of 22

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Eversource

Received By RAP Date 10/19/18 Time 10:55

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____

Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 537 Actual Temp - 4.6

By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? T Who was notified? Cate & Michelle

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? N/A Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-	2	1 Liter Amb.	1	1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

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October 25, 2018

Mike Gaughan
Eversource Emergency Response
107 Seldon Street
Berlin, CT 06037

Project Location: 27 Parsons Ln., Durham, CT
Client Job Number:
Project Number: CWC-18-00543
Laboratory Work Order Number: 18J1065

Enclosed are results of analyses for samples received by the laboratory on October 22, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Aaron L. Benoit
Project Manager

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Eversource Emergency Response
107 Seldon Street
Berlin, CT 06037
ATTN: Mike Gaughan

REPORT DATE: 10/25/2018

PURCHASE ORDER NUMBER: 02283484 Release 2

PROJECT NUMBER: CWC-18-00543

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18J1065

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 27 Parsons Ln., Durham, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Well Water	18J1065-01	Drinking Water		CTDEP ETPH	
				SW-846 8082A	
MH 1	18J1065-02	Waste Water		CTDEP ETPH	
				SW-846 8082A	
MH 2	18J1065-03	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
MH 3	18J1065-04	Waste Water		SW-846 8082A	
MH 4	18J1065-05	Waste Water		CTDEP ETPH	
				SW-846 8082A	
MH 5	18J1065-06	Waste Water		CTDEP ETPH	
				SW-846 8082A	
Floor Drain 1	18J1065-07	Oil		EPA 600 4-81-045	
Floor Drain 2	18J1065-08	Oil		EPA 600 4-81-045	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

CTDEP ETPH

Qualifications:

S-01

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

2-Fluorobiphenyl
18J1065-03[MH 2]

S-26

Surrogate outside of control limits.

Analyte & Samples(s) Qualified:

2-Fluorobiphenyl
18J1065-05[MH 4]

SM-05

Insufficient sample for reanalysis.

Analyte & Samples(s) Qualified:

2-Fluorobiphenyl
18J1065-05[MH 4]

EPA 600 4-81-045

Qualifications:

L-11

Laboratory fortified blank/laboratory control sample was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.

Analyte & Samples(s) Qualified:

Aroclor-1260 [2C]
B215400-BS1, B215400-BSD1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18J1065

Date Received: 10/22/2018

Field Sample #: Well Water | Sampled: 10/19/2018 13:40

Sample ID: 18J1065-01

Sample Matrix: Drinking Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/23/18	10/24/18 13:42	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/23/18	10/24/18 13:42	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/23/18	10/24/18 13:42	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/23/18	10/24/18 13:42	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/23/18	10/24/18 13:42	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/23/18	10/24/18 13:42	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/23/18	10/24/18 13:42	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/23/18	10/24/18 13:42	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/23/18	10/24/18 13:42	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	58.2	30-150		10/24/18 13:42
Decachlorobiphenyl [2]	69.0	30-150		10/24/18 13:42
Tetrachloro-m-xylene [1]	53.0	30-150		10/24/18 13:42
Tetrachloro-m-xylene [2]	56.6	30-150		10/24/18 13:42

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Ln., Durham, CT Sample Description: Work Order: 18J1065

Date Received: 10/22/2018

Field Sample #: Well Water Sampled: 10/19/2018 13:40

Sample ID: 18J1065-01

Sample Matrix: Drinking Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.11	0.075	mg/L	1		CTDEP ETPH	10/23/18	10/24/18 15:13	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	79.0	50-150				10/24/18 15:13	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18J1065

Date Received: 10/22/2018

Field Sample #: MH 1 | Sampled: 10/19/2018 14:05

Sample ID: 18J1065-02

Sample Matrix: Waste Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.21	µg/L	1		SW-846 8082A	10/23/18	10/24/18 13:54	KAL
Aroclor-1221 [1]	ND	0.21	µg/L	1		SW-846 8082A	10/23/18	10/24/18 13:54	KAL
Aroclor-1232 [1]	ND	0.21	µg/L	1		SW-846 8082A	10/23/18	10/24/18 13:54	KAL
Aroclor-1242 [1]	ND	0.21	µg/L	1		SW-846 8082A	10/23/18	10/24/18 13:54	KAL
Aroclor-1248 [1]	ND	0.21	µg/L	1		SW-846 8082A	10/23/18	10/24/18 13:54	KAL
Aroclor-1254 [1]	ND	0.21	µg/L	1		SW-846 8082A	10/23/18	10/24/18 13:54	KAL
Aroclor-1260 [1]	ND	0.21	µg/L	1		SW-846 8082A	10/23/18	10/24/18 13:54	KAL
Aroclor-1262 [1]	ND	0.21	µg/L	1		SW-846 8082A	10/23/18	10/24/18 13:54	KAL
Aroclor-1268 [1]	ND	0.21	µg/L	1		SW-846 8082A	10/23/18	10/24/18 13:54	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	54.4	30-150		10/24/18 13:54
Decachlorobiphenyl [2]	61.6	30-150		10/24/18 13:54
Tetrachloro-m-xylene [1]	71.3	30-150		10/24/18 13:54
Tetrachloro-m-xylene [2]	77.0	30-150		10/24/18 13:54

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Ln., Durham, CT Sample Description: Work Order: 18J1065

Date Received: 10/22/2018

Field Sample #: MH 1 Sampled: 10/19/2018 14:05

Sample ID: 18J1065-02

Sample Matrix: Waste Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	7.8	0.76	mg/L	10		CTDEP ETPH	10/23/18	10/25/18 9:59	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	68.8	50-150				10/25/18 9:59	

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18J1065

Date Received: 10/22/2018

Field Sample #: MH 2 | Sampled: 10/19/2018 14:10

Sample ID: 18J1065-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	10/22/18	10/24/18 23:17	WAL
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	10/22/18	10/24/18 23:17	WAL
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	10/22/18	10/24/18 23:17	WAL
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	10/22/18	10/24/18 23:17	WAL
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	10/22/18	10/24/18 23:17	WAL
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	10/22/18	10/24/18 23:17	WAL
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	10/22/18	10/24/18 23:17	WAL
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	10/22/18	10/24/18 23:17	WAL
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	10/22/18	10/24/18 23:17	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.9	30-150		10/24/18 23:17
Decachlorobiphenyl [2]	81.8	30-150		10/24/18 23:17
Tetrachloro-m-xylene [1]	89.9	30-150		10/24/18 23:17
Tetrachloro-m-xylene [2]	90.4	30-150		10/24/18 23:17

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18J1065

Date Received: 10/22/2018

Field Sample #: MH 2 | Sampled: 10/19/2018 14:10

Sample ID: 18J1065-03

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	8100	820	mg/Kg dry	50		CTDEP ETPH	10/22/18	10/23/18 18:38	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	*	50-150	S-01	10/23/18 18:38

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18J1065

Date Received: 10/22/2018

Field Sample #: MH 2 | Sampled: 10/19/2018 14:10

Sample ID: 18J1065-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	60.9		% Wt	1		SM 2540G	10/23/18	10/24/18 11:07	JFC

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18J1065

Date Received: 10/22/2018

Field Sample #: MH 3 | Sampled: 10/19/2018 14:15

Sample ID: 18J1065-04

Sample Matrix: Waste Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/23/18	10/24/18 14:07	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/23/18	10/24/18 14:07	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/23/18	10/24/18 14:07	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/23/18	10/24/18 14:07	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/23/18	10/24/18 14:07	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/23/18	10/24/18 14:07	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/23/18	10/24/18 14:07	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/23/18	10/24/18 14:07	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/23/18	10/24/18 14:07	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	53.0	30-150		10/24/18 14:07
Decachlorobiphenyl [2]	65.9	30-150		10/24/18 14:07
Tetrachloro-m-xylene [1]	71.1	30-150		10/24/18 14:07
Tetrachloro-m-xylene [2]	76.6	30-150		10/24/18 14:07

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18J1065

Date Received: 10/22/2018

Field Sample #: MH 4 | Sampled: 10/19/2018 14:25

Sample ID: 18J1065-05

Sample Matrix: Waste Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.27	µg/L	1		SW-846 8082A	10/23/18	10/24/18 14:19	KAL
Aroclor-1221 [1]	ND	0.27	µg/L	1		SW-846 8082A	10/23/18	10/24/18 14:19	KAL
Aroclor-1232 [1]	ND	0.27	µg/L	1		SW-846 8082A	10/23/18	10/24/18 14:19	KAL
Aroclor-1242 [1]	ND	0.27	µg/L	1		SW-846 8082A	10/23/18	10/24/18 14:19	KAL
Aroclor-1248 [1]	ND	0.27	µg/L	1		SW-846 8082A	10/23/18	10/24/18 14:19	KAL
Aroclor-1254 [1]	ND	0.27	µg/L	1		SW-846 8082A	10/23/18	10/24/18 14:19	KAL
Aroclor-1260 [1]	ND	0.27	µg/L	1		SW-846 8082A	10/23/18	10/24/18 14:19	KAL
Aroclor-1262 [1]	ND	0.27	µg/L	1		SW-846 8082A	10/23/18	10/24/18 14:19	KAL
Aroclor-1268 [1]	ND	0.27	µg/L	1		SW-846 8082A	10/23/18	10/24/18 14:19	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	53.3	30-150		10/24/18 14:19
Decachlorobiphenyl [2]	64.0	30-150		10/24/18 14:19
Tetrachloro-m-xylene [1]	72.3	30-150		10/24/18 14:19
Tetrachloro-m-xylene [2]	78.5	30-150		10/24/18 14:19

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Project Location: 27 Parsons Ln., Durham, CT Sample Description: Work Order: 18J1065

Date Received: 10/22/2018

Field Sample #: MH 4 Sampled: 10/19/2018 14:25

Sample ID: 18J1065-05

Sample Matrix: Waste Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	4.5	0.40	mg/L	5		CTDEP ETPH	10/23/18	10/25/18 10:17	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	**45.4** *	50-150	S-26, SM-05	10/25/18 10:17

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18J1065

Date Received: 10/22/2018

Field Sample #: MH 5 | Sampled: 10/19/2018 14:30

Sample ID: 18J1065-06

Sample Matrix: Waste Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/23/18	10/24/18 14:32	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/23/18	10/24/18 14:32	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/23/18	10/24/18 14:32	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/23/18	10/24/18 14:32	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/23/18	10/24/18 14:32	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/23/18	10/24/18 14:32	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/23/18	10/24/18 14:32	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/23/18	10/24/18 14:32	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/23/18	10/24/18 14:32	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	65.8	30-150		10/24/18 14:32
Decachlorobiphenyl [2]	67.1	30-150		10/24/18 14:32
Tetrachloro-m-xylene [1]	66.0	30-150		10/24/18 14:32
Tetrachloro-m-xylene [2]	71.3	30-150		10/24/18 14:32

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18J1065

Date Received: 10/22/2018

Field Sample #: MH 5 | Sampled: 10/19/2018 14:30

Sample ID: 18J1065-06

Sample Matrix: Waste Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	1.3	0.079	mg/L	1		CTDEP ETPH	10/23/18	10/24/18 19:42	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	64.2	50-150		10/24/18 19:42

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Ln., Durham, CT Sample Description: Work Order: 18J1065

Date Received: 10/22/2018

Field Sample #: Floor Drain 1 Sampled: 10/19/2018 13:45

Sample ID: 18J1065-07

Sample Matrix: Oil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	6.9	mg/Kg	10		EPA 600 4-81-045	10/23/18	10/24/18 8:03	TG
Aroclor-1221 [1]	ND	6.9	mg/Kg	10		EPA 600 4-81-045	10/23/18	10/24/18 8:03	TG
Aroclor-1232 [1]	ND	6.9	mg/Kg	10		EPA 600 4-81-045	10/23/18	10/24/18 8:03	TG
Aroclor-1242 [1]	ND	6.9	mg/Kg	10		EPA 600 4-81-045	10/23/18	10/24/18 8:03	TG
Aroclor-1248 [1]	ND	6.9	mg/Kg	10		EPA 600 4-81-045	10/23/18	10/24/18 8:03	TG
Aroclor-1254 [1]	16	6.9	mg/Kg	10		EPA 600 4-81-045	10/23/18	10/24/18 8:03	TG
Aroclor-1260 [1]	ND	6.9	mg/Kg	10		EPA 600 4-81-045	10/23/18	10/24/18 8:03	TG
Aroclor-1262 [1]	ND	6.9	mg/Kg	10		EPA 600 4-81-045	10/23/18	10/24/18 8:03	TG
Aroclor-1268 [1]	ND	6.9	mg/Kg	10		EPA 600 4-81-045	10/23/18	10/24/18 8:03	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	128	30-150		10/24/18 8:03
Decachlorobiphenyl [2]	122	30-150		10/24/18 8:03
Tetrachloro-m-xylene [1]	117	30-150		10/24/18 8:03
Tetrachloro-m-xylene [2]	117	30-150		10/24/18 8:03

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18J1065

Date Received: 10/22/2018

Field Sample #: Floor Drain 2 | Sampled: 10/19/2018 13:55

Sample ID: 18J1065-08

Sample Matrix: Oil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	8.5	mg/Kg	10		EPA 600 4-81-045	10/23/18	10/23/18 15:44	TG
Aroclor-1221 [1]	ND	8.5	mg/Kg	10		EPA 600 4-81-045	10/23/18	10/23/18 15:44	TG
Aroclor-1232 [1]	ND	8.5	mg/Kg	10		EPA 600 4-81-045	10/23/18	10/23/18 15:44	TG
Aroclor-1242 [1]	ND	8.5	mg/Kg	10		EPA 600 4-81-045	10/23/18	10/23/18 15:44	TG
Aroclor-1248 [1]	ND	8.5	mg/Kg	10		EPA 600 4-81-045	10/23/18	10/23/18 15:44	TG
Aroclor-1254 [1]	16	8.5	mg/Kg	10		EPA 600 4-81-045	10/23/18	10/23/18 15:44	TG
Aroclor-1260 [1]	ND	8.5	mg/Kg	10		EPA 600 4-81-045	10/23/18	10/23/18 15:44	TG
Aroclor-1262 [1]	ND	8.5	mg/Kg	10		EPA 600 4-81-045	10/23/18	10/23/18 15:44	TG
Aroclor-1268 [1]	ND	8.5	mg/Kg	10		EPA 600 4-81-045	10/23/18	10/23/18 15:44	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	125	30-150		10/23/18 15:44
Decachlorobiphenyl [2]	119	30-150		10/23/18 15:44
Tetrachloro-m-xylene [1]	113	30-150		10/23/18 15:44
Tetrachloro-m-xylene [2]	114	30-150		10/23/18 15:44

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18J1065-03 [MH 2]	B215343	30.1	1.00	10/22/18

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18J1065-01 [Well Water]	B215448	1000	1.00	10/23/18
18J1065-02 [MH 1]	B215448	990	1.00	10/23/18
18J1065-05 [MH 4]	B215448	930	1.00	10/23/18
18J1065-06 [MH 5]	B215448	950	1.00	10/23/18

Prep Method: SW-846 3580A-EPA 600 4-81-045

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18J1065-07 [Floor Drain 1]	B215400	0.290	10.0	10/23/18
18J1065-08 [Floor Drain 2]	B215400	0.237	10.0	10/23/18

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
18J1065-03 [MH 2]	B215463	10/23/18

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18J1065-03 [MH 2]	B215368	10.3	10.0	10/22/18

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18J1065-01 [Well Water]	B215443	990	10.0	10/23/18
18J1065-02 [MH 1]	B215443	970	10.0	10/23/18
18J1065-04 [MH 3]	B215443	1010	10.0	10/23/18
18J1065-05 [MH 4]	B215443	740	10.0	10/23/18
18J1065-06 [MH 5]	B215443	1000	10.0	10/23/18

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B215400 - SW-846 3580A											
Blank (B215400-BLK1)				Prepared & Analyzed: 10/23/18							
Aroclor-1016	ND	0.89	mg/Kg								
Aroclor-1016 [2C]	ND	0.89	mg/Kg								
Aroclor-1221	ND	0.89	mg/Kg								
Aroclor-1221 [2C]	ND	0.89	mg/Kg								
Aroclor-1232	ND	0.89	mg/Kg								
Aroclor-1232 [2C]	ND	0.89	mg/Kg								
Aroclor-1242	ND	0.89	mg/Kg								
Aroclor-1242 [2C]	ND	0.89	mg/Kg								
Aroclor-1248	ND	0.89	mg/Kg								
Aroclor-1248 [2C]	ND	0.89	mg/Kg								
Aroclor-1254	ND	0.89	mg/Kg								
Aroclor-1254 [2C]	ND	0.89	mg/Kg								
Aroclor-1260	ND	0.89	mg/Kg								
Aroclor-1260 [2C]	ND	0.89	mg/Kg								
Aroclor-1262	ND	0.89	mg/Kg								
Aroclor-1262 [2C]	ND	0.89	mg/Kg								
Aroclor-1268	ND	0.89	mg/Kg								
Aroclor-1268 [2C]	ND	0.89	mg/Kg								
Surrogate: Decachlorobiphenyl	*8.57*		mg/Kg	8.86		96.8		30-150			
Surrogate: Decachlorobiphenyl [2C]	*7.27*		mg/Kg	8.86		82.0		30-150			
Surrogate: Tetrachloro-m-xylene	*8.10*		mg/Kg	8.86		91.4		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*7.63*		mg/Kg	8.86		86.1		30-150			
LCS (B215400-BS1)				Prepared & Analyzed: 10/23/18							
Aroclor-1260	6.4	0.99	mg/Kg	6.40		101		85-115			
Aroclor-1260 [2C]	5.1	0.99	mg/Kg	6.40		**79.4**	*	85-115			L-11
Surrogate: Decachlorobiphenyl	*10.1*		mg/Kg	9.89		102		30-150			
Surrogate: Decachlorobiphenyl [2C]	*8.48*		mg/Kg	9.89		85.7		30-150			
Surrogate: Tetrachloro-m-xylene	*9.56*		mg/Kg	9.89		96.7		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*8.96*		mg/Kg	9.89		90.6		30-150			
LCS Dup (B215400-BSD1)				Prepared & Analyzed: 10/23/18							
Aroclor-1260	6.8	0.88	mg/Kg	6.65		103		85-115	5.87	30	
Aroclor-1260 [2C]	5.4	0.88	mg/Kg	6.65		**81.5**	*	85-115	6.41	30	L-11
Surrogate: Decachlorobiphenyl	*9.00*		mg/Kg	8.84		102		30-150			
Surrogate: Decachlorobiphenyl [2C]	*7.55*		mg/Kg	8.84		85.4		30-150			
Surrogate: Tetrachloro-m-xylene	*8.47*		mg/Kg	8.84		95.8		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*7.95*		mg/Kg	8.84		89.9		30-150			
Batch B215443 - SW-846 3510C											
Blank (B215443-BLK1)				Prepared: 10/23/18 Analyzed: 10/24/18							
Aroclor-1016	ND	0.040	µg/L								
Aroclor-1016 [2C]	ND	0.040	µg/L								
Aroclor-1221	ND	0.040	µg/L								
Aroclor-1221 [2C]	ND	0.040	µg/L								
Aroclor-1232	ND	0.040	µg/L								
Aroclor-1232 [2C]	ND	0.040	µg/L								
Aroclor-1242	ND	0.040	µg/L								
Aroclor-1242 [2C]	ND	0.040	µg/L								
Aroclor-1248	ND	0.040	µg/L								
Aroclor-1248 [2C]	ND	0.040	µg/L								
Aroclor-1254	ND	0.040	µg/L								

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B215443 - SW-846 3510C										
Blank (B215443-BLK1)				Prepared: 10/23/18 Analyzed: 10/24/18						
Aroclor-1254 [2C]	ND	0.040	µg/L							
Aroclor-1260	ND	0.040	µg/L							
Aroclor-1260 [2C]	ND	0.040	µg/L							
Aroclor-1262	ND	0.040	µg/L							
Aroclor-1262 [2C]	ND	0.040	µg/L							
Aroclor-1268	ND	0.040	µg/L							
Aroclor-1268 [2C]	ND	0.040	µg/L							
Surrogate: Decachlorobiphenyl	*0.259*		µg/L	0.400		64.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.302*		µg/L	0.400		75.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.261*		µg/L	0.400		65.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.279*		µg/L	0.400		69.7	30-150			
LCS (B215443-BS1)				Prepared: 10/23/18 Analyzed: 10/24/18						
Aroclor-1016	0.43	0.20	µg/L	0.500		86.8	40-140			
Aroclor-1016 [2C]	0.42	0.20	µg/L	0.500		84.8	40-140			
Aroclor-1260	0.41	0.20	µg/L	0.500		81.2	40-140			
Aroclor-1260 [2C]	0.45	0.20	µg/L	0.500		90.0	40-140			
Surrogate: Decachlorobiphenyl	*1.44*		µg/L	2.00		71.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.68*		µg/L	2.00		84.0	30-150			
Surrogate: Tetrachloro-m-xylene	*1.36*		µg/L	2.00		68.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.46*		µg/L	2.00		72.8	30-150			
LCS Dup (B215443-BSD1)				Prepared: 10/23/18 Analyzed: 10/24/18						
Aroclor-1016	0.41	0.20	µg/L	0.500		82.8	40-140	4.72	20	
Aroclor-1016 [2C]	0.40	0.20	µg/L	0.500		80.3	40-140	5.40	20	
Aroclor-1260	0.38	0.20	µg/L	0.500		75.2	40-140	7.66	20	
Aroclor-1260 [2C]	0.42	0.20	µg/L	0.500		84.0	40-140	6.99	20	
Surrogate: Decachlorobiphenyl	*0.943*		µg/L	2.00		47.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.10*		µg/L	2.00		54.9	30-150			
Surrogate: Tetrachloro-m-xylene	*1.30*		µg/L	2.00		65.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.40*		µg/L	2.00		70.0	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B215368 - SW-846 3540C										
Blank (B215368-BLK1)				Prepared: 10/22/18 Analyzed: 10/24/18						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.198*		mg/Kg wet	0.200		98.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.190*		mg/Kg wet	0.200		95.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.187*		mg/Kg wet	0.200		93.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.189*		mg/Kg wet	0.200		94.6	30-150			
LCS (B215368-BS1)				Prepared: 10/22/18 Analyzed: 10/24/18						
Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		100	40-140			
Aroclor-1016 [2C]	0.21	0.020	mg/Kg wet	0.200		106	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		92.3	40-140			
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		93.1	40-140			
Surrogate: Decachlorobiphenyl	*0.206*		mg/Kg wet	0.200		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.195*		mg/Kg wet	0.200		97.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.194*		mg/Kg wet	0.200		97.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.200*		mg/Kg wet	0.200		99.9	30-150			
LCS Dup (B215368-BSD1)				Prepared: 10/22/18 Analyzed: 10/24/18						
Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		102	40-140	1.75	30	
Aroclor-1016 [2C]	0.21	0.020	mg/Kg wet	0.200		107	40-140	1.55	30	
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		95.0	40-140	2.90	30	
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		96.5	40-140	3.58	30	
Surrogate: Decachlorobiphenyl	*0.207*		mg/Kg wet	0.200		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.197*		mg/Kg wet	0.200		98.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.193*		mg/Kg wet	0.200		96.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.199*		mg/Kg wet	0.200		99.5	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B215343 - SW-846 3546										
Blank (B215343-BLK1)				Prepared & Analyzed: 10/22/18						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: 2-Fluorobiphenyl	*2.40*		mg/Kg wet	3.33		72.0	50-150			
LCS (B215343-BS1)				Prepared & Analyzed: 10/22/18						
CT ETPH	22.6	10	mg/Kg wet	33.3		67.9	60-120			
Surrogate: 2-Fluorobiphenyl	*2.11*		mg/Kg wet	3.33		63.2	50-150			
LCS Dup (B215343-BSD1)				Prepared & Analyzed: 10/22/18						
CT ETPH	24.5	10	mg/Kg wet	33.3		73.4	60-120	7.75	30	
Surrogate: 2-Fluorobiphenyl	*2.27*		mg/Kg wet	3.33		68.1	50-150			
Batch B215448 - SW-846 3510C										
Blank (B215448-BLK1)				Prepared: 10/23/18 Analyzed: 10/24/18						
CT ETPH	ND	0.075	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0673*		mg/L	0.100		67.3	50-150			
LCS (B215448-BS1)				Prepared: 10/23/18 Analyzed: 10/24/18						
CT ETPH	0.738	0.075	mg/L	1.00		73.8	60-120			
Surrogate: 2-Fluorobiphenyl	*0.0753*		mg/L	0.100		75.3	50-150			
LCS Dup (B215448-BSD1)				Prepared: 10/23/18 Analyzed: 10/24/18						
CT ETPH	0.719	0.075	mg/L	1.00		71.9	60-120	2.61	30	
Surrogate: 2-Fluorobiphenyl	*0.0707*		mg/L	0.100		70.7	50-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA 600 4-81-045

Floor Drain 1

Lab Sample ID: 18J1065-07 Date(s) Analyzed 10/24/2018 10/24/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	16	
	2	0.000	0.000	0.000	14	13.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA 600 4-81-045

Floor Drain 2

Lab Sample ID: 18J1065-08 Date(s) Analyzed 10/23/2018 10/23/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	16	
	2	0.000	0.000	0.000	14	13.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B215368-BS1 Date(s) Analyzed 10/24/2018 10/24/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.21	4.9
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.19	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B215368-BSD1 Date(s) Analyzed 10/24/2018 10/24/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.21	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA 600 4-81-045

LCS

Lab Sample ID: B215400-BS1 Date(s) Analyzed 10/23/2018 10/23/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	6.4	
	2	0.000	0.000	0.000	5.1	24.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA 600 4-81-045

LCS Dup

Lab Sample ID: B215400-BSD1 Date(s) Analyzed 10/23/2018 10/23/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	6.8	
	2	0.000	0.000	0.000	5.4	23.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B215443-BS1 Date(s) Analyzed 10/24/2018 10/24/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.43	
	2	0.000	0.000	0.000	0.42	2.4
Aroclor-1260	1	0.000	0.000	0.000	0.41	
	2	0.000	0.000	0.000	0.45	9.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B215443-BSD1 Date(s) Analyzed 10/24/2018 10/24/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.41	
	2	0.000	0.000	0.000	0.40	2.5
Aroclor-1260	1	0.000	0.000	0.000	0.38	
	2	0.000	0.000	0.000	0.42	10.0

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-11	Laboratory fortified blank/laboratory control sample was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
S-26	Surrogate outside of control limits.
SM-05	Insufficient sample for reanalysis.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
CTDEP ETPH in Water	
CT ETPH	CT
EPA 600 4-81-045 in Oil	
Aroclor-1016	MA,NY,ME
Aroclor-1016 [2C]	MA,NY,ME
Aroclor-1221	MA,NY,ME
Aroclor-1221 [2C]	MA,NY,ME
Aroclor-1232	MA,NY,ME
Aroclor-1232 [2C]	MA,NY,ME
Aroclor-1242	MA,NY,ME
Aroclor-1242 [2C]	MA,NY,ME
Aroclor-1248	MA,NY,ME
Aroclor-1248 [2C]	MA,NY,ME
Aroclor-1254	MA,NY,ME
Aroclor-1254 [2C]	MA,NY,ME
Aroclor-1260	MA,NY,ME
Aroclor-1260 [2C]	MA,NY,ME
Aroclor-1262	MA,NY,ME
Aroclor-1262 [2C]	MA,NY,ME
Aroclor-1268	MA,NY,ME
Aroclor-1268 [2C]	MA,NY,ME
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Soil	
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Water	
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

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AL13

Phone: 413-525-2332 1851065
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name: Eversource
Address: 107 Selden St, Berlin, CT
Phone: 860-557-3860
Project Name:
Project Location: 27 Parsons Lane, Durham, CT
Project Number: CWC-18-00543
Project Manager: Mike Gaughan
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: MMG

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☒ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: michael.gaughan@eversource.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	PCB 8082 *	CT ETPH	PCB 8082, Soxhlet *	CT ETPH	PCB 8082 *						
								9		1		2						
								I		H		H						
								A		A		A						
1	Well Water	10/19/18	1340		X	DW	4	X	X									
2	MH1	10/19/18	1405		X	WW	4	X	X									
3	MH2	10/19/18	1410		X	S	4			X	X							
4	MH3	10/19/18	1415		X	WW	4	X	X									
5	MH4	10/19/18	1425		X	WW	4	X	X									
6	MH5	10/19/18	1430		X	WW	4	X	X									
7	Floor Drain 1	10/19/18	1345		X	O	H**					X						
8	Floor Drain 2	10/19/18	1355		X	O	4					X						
						(MB)	H**											

Comments:
* Provide chromatographs for all PCB analyses
** Oil likely 200ppm PCB
ETPH cancelled for sample-04 per client 10/23/18 - ALB

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
	10/19/18 16:40
Received by: (signature)	Date/Time:
	10/22/18 1400
Relinquished by: (signature)	Date/Time:
	10/22/18 1630
Received by: (signature)	Date/Time:
22	10/22/18 16:30
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☒ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

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NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☒ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

# of Containers
[2] Preservation Code
[3] Container Code

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define) Oil

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Eversource

Received By nf Date 10/22/18 Time 16:30

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____

Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 577 Actual Temp - 2.2

By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F

Are there Rushes? T Who was notified? Mike R.

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T*

Is there Headspace where applicable? N/A MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? N/A Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	9	1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	3 of 4
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

*only one 1L received for MH3
Both MH4 1L's and 1 MH1 1L received frozen

X:\HPCHEM\1\DATA\A102318.SEC\A1023007.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A1023007.D
Data File Path	X:\HPCHEM\1\DATA\A102318.SEC\
Operator	RMW
Date Acquired	10/23/2018 12:40
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg response	*%D+/-20
c - 9	1.18	314134	330467	5
c - 10	1.54	318488	330467	4
c - 12	2.27	319160	330467	3
c - 14	2.94	330076	330467	0
c - 16	3.53	334838	330467	-1
c - 18	4.12	335331	330467	-1
c - 20	4.74	338007	330467	-2
c - 22	5.24	339226	330467	-3
c - 24	5.68	336973	330467	-2
c - 26	6.07	335884	330467	-2
c - 28	6.43	338055	330467	-2
c - 30	6.76	342554	330467	-4
c - 32	7.07	331420	330467	0
c - 34	7.36	323401	330467	2
c - 36	7.64	319464	330467	3

Samples
18J1065-03@50X

*One compound allowed %D </=50%

X:\HPCHEM\1\DATA\A102318.SEC\A1023047.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A1023047.D
Data File Path	X:\HPCHEM\1\DATA\A102318.SEC\
Operator	RMW
Date Acquired	10/23/2018 8:59
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg response	*%D+/-20
c - 9	1.18	327663	347422	6
c - 10	1.54	333626	347422	4
c - 12	2.27	335814	347422	3
c - 14	2.94	346711	347422	0
c - 16	3.53	351562	347422	-1
c - 18	4.12	351948	347422	-1
c - 20	4.74	354666	347422	-2
c - 22	5.24	356410	347422	-3
c - 24	5.68	354586	347422	-2
c - 26	6.07	353845	347422	-2
c - 28	6.43	356354	347422	-3
c - 30	6.76	361353	347422	-4
c - 32	7.07	349481	347422	-1
c - 34	7.36	340829	347422	2
c - 36	7.64	336489	347422	3

*One compound allowed %D </=50%

Samples
18J0787-21
18J0836-04
18J0836-05
18J0733-02
18J0786-02

X:\HPCHEM\1\DATA\A102318.SEC\A1023081.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A1023081.D
Data File Path	X:\HPCHEM\1\DATA\A102318.SEC\
Operator	RMW
Date Acquired	10/24/2018 2:02
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg response	*%D+/-20
c - 9	1.18	330749	350986	6
c - 10	1.54	338142	350986	4
c - 12	2.27	341547	350986	3
c - 14	2.94	352234	350986	0
c - 16	3.53	356363	350986	-2
c - 18	4.12	356301	350986	-2
c - 20	4.73	358668	350986	-2
c - 22	5.24	360095	350986	-3
c - 24	5.68	358203	350986	-2
c - 26	6.07	357110	350986	-2
c - 28	6.43	359362	350986	-2
c - 30	6.76	364115	350986	-4
c - 32	7.07	351622	350986	0
c - 34	7.36	342486	350986	2
c - 36	7.64	337792	350986	4

*One compound allowed %D </=50%

Samples
18J0786-01
18J0733-04
18J0733-05
18J0786-10
18J0786-11

X:\HPCHEM\1\DATA\A102318.SEC\A1023115.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A1023115.D
Data File Path	X:\HPCHEM\1\DATA\A102318.SEC\
Operator	RMW
Date Acquired	10/24/2018 7:05
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg response	*%D+/-20
c - 9	1.18	332554	355206	6
c - 10	1.54	339957	355206	4
c - 12	2.27	343272	355206	3
c - 14	2.94	353583	355206	0
c - 16	3.53	360034	355206	-1
c - 18	4.12	361002	355206	-2
c - 20	4.74	363167	355206	-2
c - 22	5.25	364130	355206	-3
c - 24	5.68	362116	355206	-2
c - 26	6.07	361675	355206	-2
c - 28	6.43	364494	355206	-3
c - 30	6.76	370109	355206	-4
c - 32	7.07	358257	355206	-1
c - 34	7.36	349199	355206	2
c - 36	7.64	344540	355206	3

*One compound allowed %D </=50%

Samples
18J0865-03
18J0836-06
18J0865-01
18J0865-02@10X

X:\HPCHEM\1\DATA\A102418.SEC\A1024007.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A1024007.D
Data File Path	X:\HPCHEM\1\DATA\A102418.SEC\
Operator	RMW
Date Acquired	10/24/2018 2:37
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg response	*%D+/-20
c - 9	1.18	352358	372926	6
c - 10	1.54	357674	372926	4
c - 12	2.27	360402	372926	3
c - 14	2.94	370817	372926	1
c - 16	3.53	375720	372926	-1
c - 18	4.12	376157	372926	-1
c - 20	4.74	379804	372926	-2
c - 22	5.25	382056	372926	-2
c - 24	5.68	380431	372926	-2
c - 26	6.08	380099	372926	-2
c - 28	6.43	383055	372926	-3
c - 30	6.76	388719	372926	-4
c - 32	7.07	376573	372926	-1
c - 34	7.36	367270	372926	2
c - 36	7.64	362759	372926	3

*One compound allowed %D </=50%

Samples
18J1065-01
18J0733-20
18J0836-01
18J0836-02
18J0836-03
18J0786-15
18J0786-12
18J0786-14
18J0786-04
18J0786-08
18J1065-06
18J0733-06
18J0733-07
18J0733-08
18J0733-09

X:\HPCHEM\1\DATA\A102418.SEC\A1024059.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A1024059.D
Data File Path	X:\HPCHEM\1\DATA\A102418.SEC\
Operator	RMW
Date Acquired	10/24/2018 10:24
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg response	*%D+/-20
c - 9	1.18	305795	322853	5
c - 10	1.54	311604	322853	3
c - 12	2.27	313772	322853	3
c - 14	2.94	323505	322853	0
c - 16	3.53	327521	322853	-1
c - 18	4.12	327373	322853	-1
c - 20	4.74	330219	322853	-2
c - 22	5.25	331570	322853	-3
c - 24	5.68	329259	322853	-2
c - 26	6.08	328473	322853	-2
c - 28	6.43	330440	322853	-2
c - 30	6.76	334331	322853	-4
c - 32	7.07	322907	322853	0
c - 34	7.36	314872	322853	2
c - 36	7.64	311151	322853	4

*One compound allowed %D </=50%

Samples
18J0786-07
18J0786-09
18J0786-13
18J0733-03
18J0786-03@5X
18J0786-05@10X
18J0786-06

X:\HPCHEM\1\DATA\A102418.SEC\A1024135.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A1024135.D
Data File Path	X:\HPCHEM\1\DATA\A102418.SEC\
Operator	RMW
Date Acquired	10/25/2018 9:23
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg response	*%D+/-20
c - 9	1.18	302064	314120	4
c - 10	1.54	306327	314120	2
c - 12	2.27	306685	314120	2
c - 14	2.94	315143	314120	0
c - 16	3.53	317960	314120	-1
c - 18	4.12	317131	314120	-1
c - 20	4.74	319245	314120	-2
c - 22	5.25	320297	314120	-2
c - 24	5.69	318416	314120	-1
c - 26	6.07	317989	314120	-1
c - 28	6.43	320596	314120	-2
c - 30	6.76	324934	314120	-3
c - 32	7.07	314429	314120	0
c - 34	7.36	307158	314120	2
c - 36	7.65	303431	314120	3

*One compound allowed %D </=50%

Samples
18J0927-14@10X
18J1065-02@10X
18J1065-05@5X

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October 29, 2018

Mike Gaughan
Eversource Emergency Response
107 Seldon Street
Berlin, CT 06037

Project Location: 27 Parsons Lane, Durham, CT
Client Job Number:
Project Number: CWC-18-00543
Laboratory Work Order Number: 18J1226

Enclosed are results of analyses for samples received by the laboratory on October 24, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Aaron L. Benoit
Project Manager

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Eversource Emergency Response
107 Seldon Street
Berlin, CT 06037
ATTN: Mike Gaughan

REPORT DATE: 10/29/2018

PURCHASE ORDER NUMBER: 02283484 Release 2

PROJECT NUMBER: CWC-18-00543

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18J1226

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 27 Parsons Lane, Durham, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MH6	18J1226-01	Soil		SM 2540G	
				SW-846 8082A	
S1	18J1226-02	Soil		SM 2540G	
				SW-846 8082A	
S2	18J1226-03	Soil		SM 2540G	
				SW-846 8082A	
S3	18J1226-04	Soil		SM 2540G	
				SW-846 8082A	
S4	18J1226-05	Soil		SM 2540G	
				SW-846 8082A	
S5	18J1226-06	Soil		SM 2540G	
				SW-846 8082A	
S6	18J1226-07	Soil		SM 2540G	
				SW-846 8082A	
S7	18J1226-08	Soil		SM 2540G	
				SW-846 8082A	
S8	18J1226-09	Soil		SM 2540G	
				SW-846 8082A	
S9	18J1226-10	Soil		SM 2540G	
				SW-846 8082A	
CB1	18J1226-11	Waste Water		SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

Qualifications:

V-06

Continuing calibration did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

Aroclor-1016 [2C]
B215629-BS1, B215629-BSD1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: MH6 | Sampled: 10/22/2018 10:20

Sample ID: 18J1226-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:43	TG
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:43	TG
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:43	TG
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:43	TG
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:43	TG
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:43	TG
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:43	TG
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:43	TG
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:43	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	68.5	30-150		10/26/18 11:43
Decachlorobiphenyl [2]	67.0	30-150		10/26/18 11:43
Tetrachloro-m-xylene [1]	73.5	30-150		10/26/18 11:43
Tetrachloro-m-xylene [2]	78.2	30-150		10/26/18 11:43

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: MH6 | Sampled: 10/22/2018 10:20

Sample ID: 18J1226-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	57.8		% Wt	1		SM 2540G	10/24/18	10/25/18 11:58	KMG

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Project Location: 27 Parsons Lane, Durham, CT Sample Description: Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S1 Sampled: 10/22/2018 14:58

Sample ID: 18J1226-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:55	TG
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:55	TG
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:55	TG
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:55	TG
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:55	TG
Aroclor-1254 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:55	TG
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:55	TG
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:55	TG
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:55	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.5	30-150		10/26/18 11:55
Decachlorobiphenyl [2]	89.3	30-150		10/26/18 11:55
Tetrachloro-m-xylene [1]	83.7	30-150		10/26/18 11:55
Tetrachloro-m-xylene [2]	87.0	30-150		10/26/18 11:55

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S1 | Sampled: 10/22/2018 14:58

Sample ID: 18J1226-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.1		% Wt	1		SM 2540G	10/24/18	10/25/18 11:58	KMG

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Project Location: 27 Parsons Lane, Durham, CT Sample Description: Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S2 Sampled: 10/22/2018 15:00

Sample ID: 18J1226-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:08	TG
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:08	TG
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:08	TG
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:08	TG
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:08	TG
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:08	TG
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:08	TG
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:08	TG
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:08	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.0	30-150		10/26/18 12:08
Decachlorobiphenyl [2]	85.7	30-150		10/26/18 12:08
Tetrachloro-m-xylene [1]	81.2	30-150		10/26/18 12:08
Tetrachloro-m-xylene [2]	84.2	30-150		10/26/18 12:08

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S2 | Sampled: 10/22/2018 15:00

Sample ID: 18J1226-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.2		% Wt	1		SM 2540G	10/24/18	10/25/18 11:59	KMG

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S3 | Sampled: 10/22/2018 15:02

Sample ID: 18J1226-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:21	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:21	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:21	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:21	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:21	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:21	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:21	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:21	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:21	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.7	30-150		10/26/18 12:21
Decachlorobiphenyl [2]	84.0	30-150		10/26/18 12:21
Tetrachloro-m-xylene [1]	85.8	30-150		10/26/18 12:21
Tetrachloro-m-xylene [2]	90.4	30-150		10/26/18 12:21

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S3 | Sampled: 10/22/2018 15:02

Sample ID: 18J1226-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	74.5		% Wt	1		SM 2540G	10/24/18	10/25/18 11:59	KMG

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S4 | Sampled: 10/22/2018 15:04

Sample ID: 18J1226-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:34	TG
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:34	TG
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:34	TG
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:34	TG
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:34	TG
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:34	TG
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:34	TG
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:34	TG
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:34	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	68.9	30-150		10/26/18 12:34
Decachlorobiphenyl [2]	68.5	30-150		10/26/18 12:34
Tetrachloro-m-xylene [1]	66.6	30-150		10/26/18 12:34
Tetrachloro-m-xylene [2]	71.7	30-150		10/26/18 12:34

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S4 | Sampled: 10/22/2018 15:04

Sample ID: 18J1226-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.0		% Wt	1		SM 2540G	10/24/18	10/25/18 11:59	KMG

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Project Location: 27 Parsons Lane, Durham, CT Sample Description: Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S5 Sampled: 10/22/2018 15:06

Sample ID: 18J1226-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:47	TG
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:47	TG
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:47	TG
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:47	TG
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:47	TG
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:47	TG
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:47	TG
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:47	TG
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:47	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.5	30-150		10/26/18 12:47
Decachlorobiphenyl [2]	84.2	30-150		10/26/18 12:47
Tetrachloro-m-xylene [1]	85.3	30-150		10/26/18 12:47
Tetrachloro-m-xylene [2]	92.0	30-150		10/26/18 12:47

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S5 | Sampled: 10/22/2018 15:06

Sample ID: 18J1226-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.7		% Wt	1		SM 2540G	10/24/18	10/25/18 11:59	KMG

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Project Location: 27 Parsons Lane, Durham, CT Sample Description: Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S6 Sampled: 10/22/2018 15:08

Sample ID: 18J1226-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:59	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:59	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:59	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:59	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:59	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:59	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:59	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:59	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:59	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.5	30-150		10/26/18 12:59
Decachlorobiphenyl [2]	106	30-150		10/26/18 12:59
Tetrachloro-m-xylene [1]	87.3	30-150		10/26/18 12:59
Tetrachloro-m-xylene [2]	92.1	30-150		10/26/18 12:59

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S6 | Sampled: 10/22/2018 15:08

Sample ID: 18J1226-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.4		% Wt	1		SM 2540G	10/24/18	10/25/18 11:59	KMG

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S7 | Sampled: 10/22/2018 15:10

Sample ID: 18J1226-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:12	TG
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:12	TG
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:12	TG
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:12	TG
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:12	TG
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:12	TG
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:12	TG
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:12	TG
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:12	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.5	30-150		10/26/18 13:12
Decachlorobiphenyl [2]	85.5	30-150		10/26/18 13:12
Tetrachloro-m-xylene [1]	83.2	30-150		10/26/18 13:12
Tetrachloro-m-xylene [2]	86.6	30-150		10/26/18 13:12

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S7 | Sampled: 10/22/2018 15:10

Sample ID: 18J1226-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.5		% Wt	1		SM 2540G	10/24/18	10/25/18 11:59	KMG

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT Sample Description: Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S8 Sampled: 10/22/2018 15:12

Sample ID: 18J1226-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:25	TG
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:25	TG
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:25	TG
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:25	TG
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:25	TG
Aroclor-1254 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:25	TG
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:25	TG
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:25	TG
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:25	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.1	30-150		10/26/18 13:25
Decachlorobiphenyl [2]	86.0	30-150		10/26/18 13:25
Tetrachloro-m-xylene [1]	86.1	30-150		10/26/18 13:25
Tetrachloro-m-xylene [2]	90.5	30-150		10/26/18 13:25

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S8 | Sampled: 10/22/2018 15:12

Sample ID: 18J1226-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.8		% Wt	1		SM 2540G	10/24/18	10/25/18 11:59	KMG

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Project Location: 27 Parsons Lane, Durham, CT Sample Description: Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S9 Sampled: 10/22/2018 15:15

Sample ID: 18J1226-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:38	TG
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:38	TG
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:38	TG
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:38	TG
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:38	TG
Aroclor-1254 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:38	TG
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:38	TG
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:38	TG
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:38	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.3	30-150		10/26/18 13:38
Decachlorobiphenyl [2]	89.3	30-150		10/26/18 13:38
Tetrachloro-m-xylene [1]	87.5	30-150		10/26/18 13:38
Tetrachloro-m-xylene [2]	89.3	30-150		10/26/18 13:38

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S9 | Sampled: 10/22/2018 15:15

Sample ID: 18J1226-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.3		% Wt	1		SM 2540G	10/24/18	10/25/18 11:59	KMG

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: CB1 | Sampled: 10/22/2018 15:35

Sample ID: 18J1226-11

Sample Matrix: Waste Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/29/18 12:25	WAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/29/18 12:25	WAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/29/18 12:25	WAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/29/18 12:25	WAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/29/18 12:25	WAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/29/18 12:25	WAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/29/18 12:25	WAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/29/18 12:25	WAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/29/18 12:25	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	35.4	30-150			10/29/18 12:25
Decachlorobiphenyl [2]	33.5	30-150			10/29/18 12:25
Tetrachloro-m-xylene [1]	57.8	30-150			10/29/18 12:25
Tetrachloro-m-xylene [2]	60.0	30-150			10/29/18 12:25

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
18J1226-01 [MH6]	B215628	10/24/18
18J1226-02 [S1]	B215628	10/24/18
18J1226-03 [S2]	B215628	10/24/18
18J1226-04 [S3]	B215628	10/24/18
18J1226-05 [S4]	B215628	10/24/18
18J1226-06 [S5]	B215628	10/24/18
18J1226-07 [S6]	B215628	10/24/18
18J1226-08 [S7]	B215628	10/24/18
18J1226-09 [S8]	B215628	10/24/18
18J1226-10 [S9]	B215628	10/24/18

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18J1226-01 [MH6]	B215626	10.0	10.0	10/24/18
18J1226-02 [S1]	B215626	10.0	10.0	10/24/18
18J1226-03 [S2]	B215626	10.0	10.0	10/24/18
18J1226-04 [S3]	B215626	10.0	10.0	10/24/18
18J1226-05 [S4]	B215626	10.0	10.0	10/24/18
18J1226-06 [S5]	B215626	10.0	10.0	10/24/18
18J1226-07 [S6]	B215626	10.0	10.0	10/24/18
18J1226-08 [S7]	B215626	10.0	10.0	10/24/18
18J1226-09 [S8]	B215626	10.0	10.0	10/24/18
18J1226-10 [S9]	B215626	10.0	10.0	10/24/18

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18J1226-11 [CB1]	B215629	1000	10.0	10/25/18

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B215629 - SW-846 3510C										
Blank (B215629-BLK1)				Prepared: 10/25/18 Analyzed: 10/28/18						
Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	*1.57*		µg/L	2.00		78.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.61*		µg/L	2.00		80.7	30-150			
Surrogate: Tetrachloro-m-xylene	*1.38*		µg/L	2.00		69.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.52*		µg/L	2.00		76.0	30-150			
LCS (B215629-BS1)				Prepared: 10/25/18 Analyzed: 10/28/18						
Aroclor-1016	0.41	0.20	µg/L	0.500		81.4	40-140			
Aroclor-1016 [2C]	0.50	0.20	µg/L	0.500		99.7	40-140			V-06
Aroclor-1260	0.41	0.20	µg/L	0.500		81.5	40-140			
Aroclor-1260 [2C]	0.43	0.20	µg/L	0.500		86.7	40-140			
Surrogate: Decachlorobiphenyl	*1.70*		µg/L	2.00		84.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.74*		µg/L	2.00		87.0	30-150			
Surrogate: Tetrachloro-m-xylene	*1.42*		µg/L	2.00		70.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.56*		µg/L	2.00		78.1	30-150			
LCS Dup (B215629-BSD1)				Prepared: 10/25/18 Analyzed: 10/28/18						
Aroclor-1016	0.43	0.20	µg/L	0.500		85.8	40-140	5.25	20	
Aroclor-1016 [2C]	0.53	0.20	µg/L	0.500		105	40-140	5.51	20	V-06
Aroclor-1260	0.43	0.20	µg/L	0.500		86.0	40-140	5.39	20	
Aroclor-1260 [2C]	0.46	0.20	µg/L	0.500		92.2	40-140	6.10	20	
Surrogate: Decachlorobiphenyl	*1.77*		µg/L	2.00		88.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.82*		µg/L	2.00		91.1	30-150			
Surrogate: Tetrachloro-m-xylene	*1.52*		µg/L	2.00		76.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.67*		µg/L	2.00		83.4	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B215626 - SW-846 3540C										
Blank (B215626-BLK1)				Prepared: 10/24/18 Analyzed: 10/26/18						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.197*		mg/Kg wet	0.200		98.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.188*		mg/Kg wet	0.200		94.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.177*		mg/Kg wet	0.200		88.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.179*		mg/Kg wet	0.200		89.7	30-150			
LCS (B215626-BS1)				Prepared: 10/24/18 Analyzed: 10/26/18						
Aroclor-1016	0.21	0.020	mg/Kg wet	0.200		103	40-140			
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		102	40-140			
Aroclor-1260	0.20	0.020	mg/Kg wet	0.200		102	40-140			
Aroclor-1260 [2C]	0.20	0.020	mg/Kg wet	0.200		99.8	40-140			
Surrogate: Decachlorobiphenyl	*0.201*		mg/Kg wet	0.200		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.192*		mg/Kg wet	0.200		95.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.178*		mg/Kg wet	0.200		89.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.179*		mg/Kg wet	0.200		89.4	30-150			
LCS Dup (B215626-BSD1)				Prepared: 10/24/18 Analyzed: 10/26/18						
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		80.7	40-140	24.7	30	
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		79.9	40-140	24.0	30	
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		91.1	40-140	11.6	30	
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		89.5	40-140	10.9	30	
Surrogate: Decachlorobiphenyl	*0.184*		mg/Kg wet	0.200		91.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.176*		mg/Kg wet	0.200		87.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.104*		mg/Kg wet	0.200		51.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.105*		mg/Kg wet	0.200		52.7	30-150			

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B215628 - % Solids										
Duplicate (B215628-DUP2)	**Source: 18J1226-01**			Prepared: 10/24/18 Analyzed: 10/25/18						
% Solids	55.5		% Wt		57.8			3.97	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B215626-BS1 Date(s) Analyzed 10/26/2018 10/26/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.20	4.9
Aroclor-1260	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.20	4.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B215626-BSD1 Date(s) Analyzed 10/26/2018 10/26/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.16	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B215629-BS1 Date(s) Analyzed 10/28/2018 10/28/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.41	
	2	0.000	0.000	0.000	0.50	19.8
Aroclor-1260	1	0.000	0.000	0.000	0.41	
	2	0.000	0.000	0.000	0.43	4.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B215629-BSD1 Date(s) Analyzed 10/28/2018 10/28/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.43	
	2	0.000	0.000	0.000	0.53	20.8
Aroclor-1260	1	0.000	0.000	0.000	0.43	
	2	0.000	0.000	0.000	0.46	6.7

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Water	
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

ACB

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Fax: 413-525-6405
Email: info@contestlabs.com

18T1226

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 1_03242017

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 2

Company Name:	Eversource
Address:	107 Selden St, Berlin, CT
Phone:	860-559-3860
Project Name:	
Project Location:	27 Parsons Lane, Durham, CT
Project Number:	CWC-18-00543
Project Manager:	Mike Gaughan
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	MMG

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☒ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: michael.gaughan@eversource.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1] Matrix Code	Conc Code	PCB 8082 in Soxhlet Extraction										# of Containers	[2] Preservation Code	[3] Container Code
1	MH6	10/22/18	1020		X	S	4	X										10	I	A
2	S1	10/22/18	1458		X	S	4	X												
3	S2	10/22/18	1500		X	S	4	X												
4	S3	10/22/18	1502		X	S	4	X												
5	S4	10/22/18	1504		X	S	4	X												
6	S5	10/22/18	1506		X	S	4	X												
7	S6	10/22/18	1508		X	S	4	X												
8	S7	10/22/18	1510		X	S	4	X												
9	S8	10/22/18	1512		X	S	4	X												
10	S9	10/22/18	1515		X	S	4	X												

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

Comments: Need chromatographs for all PCB analyses

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature)	Date/Time: 10/23/18 0821
Received by: (signature) Tom Mace	Date/Time: 10/24/18 1530
Relinquished by: (signature) Tom Mace	Date/Time: 10/24/18 1750
Received by: (signature) 2.9 10-24-18	Date/Time: 17:50
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
RL

Special Requirements
☐ MA MCP Required
☐ MCP Certification Form Required
☒ CT RCP Required
☐ RCP Certification Form Required
☐ MA State DW Required
PWSID #

Other:

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☒ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 2 of 2

Company Name:	Eversource Energy
Address:	705 West Johnson Avenue, Cheshire, CT
Phone:	860-559-3860
Project Name:	
Project Location:	27 Parsons Lane, Durham, CT
Project Number:	CWC-18-00543
Project Manager:	Mike Coughlan
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	MMG

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☒ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: Michael.coughlan@eversource.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	PCB 4492	I	H	A	# of Containers
11	CB1	10/22/18	1535		X	WW	U	X				

ANALYSIS REQUESTED

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[2] Preservation Codes
[3] Container Codes

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature)	Date/Time: 10/23/18 0821
Received by: (signature)	Date/Time: 10/24/18 1530
Relinquished by: (signature)	Date/Time: 10/24/18 1750
Received by: (signature)	Date/Time: 10-24-18 19:50
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP, LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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The Connecticut Light and Power Company
d/b/a Eversource Energy
Docket No. 26-05-10
Date Issued September 29, 2026
RSR-032 Attachment 165
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I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client: Eversource

Received By: ESO Date: 10-24-18 Time: 17:50

How were the samples received? In Cooler: T No Cooler: _____ On Ice: T No Ice: _____ Direct from Sampling: _____ Ambient: _____ Melted Ice: _____

Were samples within Temperature? 2-6°C: T By Gun #: 577 Actual Temp: 2.9 By Blank #: _____ Actual Temp: _____

Was Custody Seal Intact?: NA Were Samples Tampered with?: NA

Was COC Relinquished ?: T Does Chain Agree With Samples?: T

Are there broken/leaking/loose caps on any samples?: F

Is COC in ink/ Legible?: T Were samples received within holding time?: T

Did COC include all pertinent Information? Client: T Analysis: T Sampler Name: T Project: T ID's: T Collection Dates/Times: T

Are Sample labels filled out and legible?: T

Are there Lab to Filters?: F Who was notified?: _____

Are there Rushes?: T Who was notified?: Brie

Are there Short Holds?: F Who was notified?: _____

Is there enough Volume?: T

Is there Headspace where applicable?: F MS/MSD?: F

Proper Media/Containers Used?: T Is splitting samples required?: F

Were trip blanks received?: F On COC?: F

Do all samples have the proper pH?: NA Acid: _____ Base: _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	1	1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	10
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

- 1L Amber received frozen, jar did not crack.

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Eversource Emergency Response

Project Location: 27 Parsons Lane, Durham, CT

Project Number: 18J1226

Laboratory Sample ID(s):

18J1226-01 thru 18J1226-11

Sample Date(s):

10/22/2018

List RCP Methods Used:

SW-846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

Lisa A. Worthington

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Lisa Worthington **Position:** **Project Manager**

Printed Name: **Lisa A. Worthington** **Date:** **10/29/18**

Name of Laboratory: **Con-Test Analytical Laboratory**

This certification form is to be used for RCP methods only.

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October 29, 2018

Mike Gaughan
Eversource Emergency Response
107 Seldon Street
Berlin, CT 06037

Project Location: 27 Parsons Lane, Durham, CT
Client Job Number:
Project Number: CWC-18-00543
Laboratory Work Order Number: 18J1227

Enclosed are results of analyses for samples received by the laboratory on October 24, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Aaron L. Benoit
Project Manager

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Eversource Emergency Response
107 Seldon Street
Berlin, CT 06037
ATTN: Mike Gaughan

REPORT DATE: 10/29/2018

PURCHASE ORDER NUMBER: 02283484 Release 2

PROJECT NUMBER: CWC-18-00543

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18J1227

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 27 Parsons Lane, Durham, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
S10	18J1227-01	Soil		SM 2540G	
				SW-846 8082A	
S10 Duplicate	18J1227-02	Soil		SM 2540G	
				SW-846 8082A	
S11	18J1227-03	Soil		SM 2540G	
				SW-846 8082A	
S12	18J1227-04	Soil		SM 2540G	
				SW-846 8082A	
S13	18J1227-05	Soil		SM 2540G	
				SW-846 8082A	
S14	18J1227-06	Soil		SM 2540G	
				SW-846 8082A	
S15	18J1227-07	Soil		SM 2540G	
				SW-846 8082A	
S16	18J1227-08	Soil		SM 2540G	
				SW-846 8082A	
S17	18J1227-09	Soil		SM 2540G	
				SW-846 8082A	
S18	18J1227-10	Soil		SM 2540G	
				SW-846 8082A	
S19	18J1227-11	Soil		SM 2540G	
				SW-846 8082A	
S20	18J1227-12	Soil		SM 2540G	
				SW-846 8082A	
S21	18J1227-13	Soil		SM 2540G	
				SW-846 8082A	
S22	18J1227-14	Soil		SM 2540G	
				SW-846 8082A	
S23	18J1227-15	Soil		SM 2540G	
				SW-846 8082A	
S24	18J1227-16	Soil		SM 2540G	
				SW-846 8082A	
S25	18J1227-17	Soil		SM 2540G	
				SW-846 8082A	
S26	18J1227-18	Soil		SM 2540G	
				SW-846 8082A	
S27	18J1227-19	Soil		SM 2540G	
				SW-846 8082A	
S28	18J1227-20	Soil		SM 2540G	
				SW-846 8082A	

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Eversource Emergency Response
107 Seldon Street
Berlin, CT 06037
ATTN: Mike Gaughan

REPORT DATE: 10/29/2018

PURCHASE ORDER NUMBER: 02283484 Release 2

PROJECT NUMBER: CWC-18-00543

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18J1227

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 27 Parsons Lane, Durham, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
S29	18J1227-21	Soil		SM 2540G	
				SW-846 8082A	
S30	18J1227-22	Soil		SM 2540G	
				SW-846 8082A	
S30 Duplicate	18J1227-23	Soil		SM 2540G	
				SW-846 8082A	
S31	18J1227-24	Soil		SM 2540G	
				SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

Qualifications:

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Aroclor-1016
18J1227-01[S10], 18J1227-02[S10 Duplicate], 18J1227-03[S11], 18J1227-04[S12], 18J1227-05[S13], 18J1227-06[S14], 18J1227-07[S15], 18J1227-08[S16], 18J1227-09[S17], 18J1227-10[S18], 18J1227-11[S19], 18J1227-12[S20], 18J1227-13[S21], 18J1227-14[S22], 18J1227-15[S23], 18J1227-16[S24], 18J1227-17[S25], 18J1227-18[S26], 18J1227-19[S27], 18J1227-20[S28], B215620-BLK1, B215620-BS1, B215620-BSD1, B215620-MS1, B215620-MSD1

Aroclor-1016 [2C]
18J1227-01[S10], 18J1227-02[S10 Duplicate], 18J1227-03[S11], 18J1227-04[S12], 18J1227-05[S13], 18J1227-06[S14], 18J1227-07[S15], 18J1227-08[S16], 18J1227-09[S17], 18J1227-10[S18], 18J1227-11[S19], 18J1227-12[S20], 18J1227-13[S21], 18J1227-14[S22], 18J1227-15[S23], 18J1227-16[S24], 18J1227-17[S25], 18J1227-18[S26], 18J1227-19[S27], 18J1227-20[S28], B215620-BLK1, B215620-BS1, B215620-BSD1, B215620-MS1, B215620-MSD1

Aroclor-1260
18J1227-01[S10], 18J1227-02[S10 Duplicate], 18J1227-03[S11], 18J1227-04[S12], 18J1227-05[S13], 18J1227-06[S14], 18J1227-07[S15], 18J1227-08[S16], 18J1227-09[S17], 18J1227-10[S18], 18J1227-11[S19], 18J1227-12[S20], 18J1227-13[S21], 18J1227-14[S22], 18J1227-15[S23], 18J1227-16[S24], 18J1227-17[S25], 18J1227-18[S26], 18J1227-19[S27], 18J1227-20[S28], B215620-BLK1, B215620-BS1, B215620-BSD1, B215620-MS1, B215620-MSD1

Aroclor-1260 [2C]
18J1227-01[S10], 18J1227-02[S10 Duplicate], 18J1227-03[S11], 18J1227-04[S12], 18J1227-05[S13], 18J1227-06[S14], 18J1227-07[S15], 18J1227-08[S16], 18J1227-09[S17], 18J1227-10[S18], 18J1227-11[S19], 18J1227-12[S20], 18J1227-13[S21], 18J1227-14[S22], 18J1227-15[S23], 18J1227-16[S24], 18J1227-17[S25], 18J1227-18[S26], 18J1227-19[S27], 18J1227-20[S28], B215620-BLK1, B215620-BS1, B215620-BSD1, B215620-MS1, B215620-MSD1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT Sample Description: Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S10 Sampled: 10/24/2018 11:10

Sample ID: 18J1227-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 16:56	WAL
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 16:56	WAL
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 16:56	WAL
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 16:56	WAL
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 16:56	WAL
Aroclor-1254 [2]	0.13	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 16:56	WAL
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 16:56	WAL
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 16:56	WAL
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 16:56	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.3	30-150		10/26/18 16:56
Decachlorobiphenyl [2]	93.2	30-150		10/26/18 16:56
Tetrachloro-m-xylene [1]	83.8	30-150		10/26/18 16:56
Tetrachloro-m-xylene [2]	87.9	30-150		10/26/18 16:56

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S10 | Sampled: 10/24/2018 11:10

Sample ID: 18J1227-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.8		% Wt	1		SM 2540G	10/24/18	10/25/18 11:59	KMG

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S10 Duplicate | Sampled: 10/24/2018 11:10

Sample ID: 18J1227-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 17:14	WAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:14	WAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:14	WAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:14	WAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:14	WAL
Aroclor-1254 [2]	0.11	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:14	WAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 17:14	WAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:14	WAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:14	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.3	30-150		10/26/18 17:14
Decachlorobiphenyl [2]	92.4	30-150		10/26/18 17:14
Tetrachloro-m-xylene [1]	87.6	30-150		10/26/18 17:14
Tetrachloro-m-xylene [2]	92.4	30-150		10/26/18 17:14

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S10 Duplicate | Sampled: 10/24/2018 11:10

Sample ID: 18J1227-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.3		% Wt	1		SM 2540G	10/24/18	10/25/18 11:59	KMG

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S11 | Sampled: 10/24/2018 11:12

Sample ID: 18J1227-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 17:32	WAL
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:32	WAL
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:32	WAL
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:32	WAL
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:32	WAL
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:32	WAL
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 17:32	WAL
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:32	WAL
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:32	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.8	30-150		10/26/18 17:32
Decachlorobiphenyl [2]	94.1	30-150		10/26/18 17:32
Tetrachloro-m-xylene [1]	88.9	30-150		10/26/18 17:32
Tetrachloro-m-xylene [2]	92.7	30-150		10/26/18 17:32

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S11 | Sampled: 10/24/2018 11:12

Sample ID: 18J1227-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.2		% Wt	1		SM 2540G	10/24/18	10/25/18 11:59	KMG

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S12 | Sampled: 10/24/2018 11:13

Sample ID: 18J1227-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 17:50	WAL
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:50	WAL
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:50	WAL
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:50	WAL
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:50	WAL
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:50	WAL
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 17:50	WAL
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:50	WAL
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:50	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.4	30-150		10/26/18 17:50
Decachlorobiphenyl [2]	103	30-150		10/26/18 17:50
Tetrachloro-m-xylene [1]	81.7	30-150		10/26/18 17:50
Tetrachloro-m-xylene [2]	84.2	30-150		10/26/18 17:50

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S12 | Sampled: 10/24/2018 11:13

Sample ID: 18J1227-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.4		% Wt	1		SM 2540G	10/24/18	10/25/18 12:00	KMG

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S13 | Sampled: 10/24/2018 11:15

Sample ID: 18J1227-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 18:08	WAL
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:08	WAL
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:08	WAL
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:08	WAL
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:08	WAL
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:08	WAL
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 18:08	WAL
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:08	WAL
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:08	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.9	30-150		10/26/18 18:08
Decachlorobiphenyl [2]	91.5	30-150		10/26/18 18:08
Tetrachloro-m-xylene [1]	93.0	30-150		10/26/18 18:08
Tetrachloro-m-xylene [2]	100	30-150		10/26/18 18:08

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S13 | Sampled: 10/24/2018 11:15

Sample ID: 18J1227-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.3		% Wt	1		SM 2540G	10/24/18	10/25/18 12:00	KMG

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S14 | Sampled: 10/24/2018 11:14

Sample ID: 18J1227-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 18:26	WAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:26	WAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:26	WAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:26	WAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:26	WAL
Aroclor-1254 [2]	0.77	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:26	WAL
Aroclor-1260 [2]	0.096	0.090	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 18:26	WAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:26	WAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:26	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.4	30-150		10/26/18 18:26
Decachlorobiphenyl [2]	89.5	30-150		10/26/18 18:26
Tetrachloro-m-xylene [1]	78.5	30-150		10/26/18 18:26
Tetrachloro-m-xylene [2]	81.6	30-150		10/26/18 18:26

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S14 | Sampled: 10/24/2018 11:14

Sample ID: 18J1227-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.8		% Wt	1		SM 2540G	10/24/18	10/25/18 12:00	KMG

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S15 | Sampled: 10/24/2018 11:16

Sample ID: 18J1227-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 18:44	WAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:44	WAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:44	WAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:44	WAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:44	WAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:44	WAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 18:44	WAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:44	WAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:44	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.8	30-150		10/26/18 18:44
Decachlorobiphenyl [2]	91.8	30-150		10/26/18 18:44
Tetrachloro-m-xylene [1]	88.6	30-150		10/26/18 18:44
Tetrachloro-m-xylene [2]	94.4	30-150		10/26/18 18:44

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S15 | Sampled: 10/24/2018 11:16

Sample ID: 18J1227-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.0		% Wt	1		SM 2540G	10/24/18	10/25/18 12:01	KMG

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S16 | Sampled: 10/24/2018 11:17

Sample ID: 18J1227-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 19:02	WAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 19:02	WAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 19:02	WAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 19:02	WAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 19:02	WAL
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 19:02	WAL
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 19:02	WAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 19:02	WAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 19:02	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.2	30-150		10/26/18 19:02
Decachlorobiphenyl [2]	94.7	30-150		10/26/18 19:02
Tetrachloro-m-xylene [1]	87.7	30-150		10/26/18 19:02
Tetrachloro-m-xylene [2]	93.9	30-150		10/26/18 19:02

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S16 | Sampled: 10/24/2018 11:17

Sample ID: 18J1227-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.8		% Wt	1		SM 2540G	10/24/18	10/25/18 12:01	KMG

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S17 | Sampled: 10/24/2018 11:18

Sample ID: 18J1227-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 19:20	WAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 19:20	WAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 19:20	WAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 19:20	WAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 19:20	WAL
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 19:20	WAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 19:20	WAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 19:20	WAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 19:20	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.8	30-150		10/26/18 19:20
Decachlorobiphenyl [2]	93.4	30-150		10/26/18 19:20
Tetrachloro-m-xylene [1]	90.7	30-150		10/26/18 19:20
Tetrachloro-m-xylene [2]	95.4	30-150		10/26/18 19:20

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S17 | Sampled: 10/24/2018 11:18

Sample ID: 18J1227-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.1		% Wt	1		SM 2540G	10/24/18	10/25/18 12:01	KMG

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT Sample Description: Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S18 Sampled: 10/24/2018 11:19

Sample ID: 18J1227-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 20:26	WAL
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 20:26	WAL
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 20:26	WAL
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 20:26	WAL
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 20:26	WAL
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 20:26	WAL
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 20:26	WAL
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 20:26	WAL
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 20:26	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.2	30-150		10/26/18 20:26
Decachlorobiphenyl [2]	90.3	30-150		10/26/18 20:26
Tetrachloro-m-xylene [1]	86.8	30-150		10/26/18 20:26
Tetrachloro-m-xylene [2]	93.5	30-150		10/26/18 20:26

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S18 | Sampled: 10/24/2018 11:19

Sample ID: 18J1227-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.9		% Wt	1		SM 2540G	10/24/18	10/25/18 12:01	KMG

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S19 | Sampled: 10/24/2018 11:20

Sample ID: 18J1227-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 20:44	WAL
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 20:44	WAL
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 20:44	WAL
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 20:44	WAL
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 20:44	WAL
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 20:44	WAL
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 20:44	WAL
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 20:44	WAL
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 20:44	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.5	30-150		10/26/18 20:44
Decachlorobiphenyl [2]	88.6	30-150		10/26/18 20:44
Tetrachloro-m-xylene [1]	88.3	30-150		10/26/18 20:44
Tetrachloro-m-xylene [2]	96.3	30-150		10/26/18 20:44

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S19 | Sampled: 10/24/2018 11:20

Sample ID: 18J1227-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.6		% Wt	1		SM 2540G	10/24/18	10/25/18 12:01	KMG

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S20 | Sampled: 10/24/2018 11:21

Sample ID: 18J1227-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 21:02	WAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:02	WAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:02	WAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:02	WAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:02	WAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:02	WAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 21:02	WAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:02	WAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:02	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.4	30-150		10/26/18 21:02
Decachlorobiphenyl [2]	88.7	30-150		10/26/18 21:02
Tetrachloro-m-xylene [1]	88.7	30-150		10/26/18 21:02
Tetrachloro-m-xylene [2]	96.0	30-150		10/26/18 21:02

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S20 | Sampled: 10/24/2018 11:21

Sample ID: 18J1227-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	73.4		% Wt	1		SM 2540G	10/24/18	10/25/18 12:01	KMG

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S21 | Sampled: 10/24/2018 11:22

Sample ID: 18J1227-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 21:20	WAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:20	WAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:20	WAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:20	WAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:20	WAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:20	WAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 21:20	WAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:20	WAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:20	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.2	30-150		10/26/18 21:20
Decachlorobiphenyl [2]	85.7	30-150		10/26/18 21:20
Tetrachloro-m-xylene [1]	84.3	30-150		10/26/18 21:20
Tetrachloro-m-xylene [2]	88.3	30-150		10/26/18 21:20

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S21 | Sampled: 10/24/2018 11:22

Sample ID: 18J1227-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	68.2		% Wt	1		SM 2540G	10/24/18	10/25/18 12:01	KMG

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S22 | Sampled: 10/24/2018 11:23

Sample ID: 18J1227-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 21:38	WAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:38	WAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:38	WAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:38	WAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:38	WAL
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:38	WAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 21:38	WAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:38	WAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:38	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.1	30-150		10/26/18 21:38
Decachlorobiphenyl [2]	92.1	30-150		10/26/18 21:38
Tetrachloro-m-xylene [1]	81.7	30-150		10/26/18 21:38
Tetrachloro-m-xylene [2]	82.2	30-150		10/26/18 21:38

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S22 | Sampled: 10/24/2018 11:23

Sample ID: 18J1227-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.1		% Wt	1		SM 2540G	10/24/18	10/25/18 12:01	KMG

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S23 | Sampled: 10/24/2018 11:24

Sample ID: 18J1227-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 21:56	WAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:56	WAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:56	WAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:56	WAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:56	WAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:56	WAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 21:56	WAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:56	WAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:56	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.0	30-150		10/26/18 21:56
Decachlorobiphenyl [2]	92.3	30-150		10/26/18 21:56
Tetrachloro-m-xylene [1]	87.2	30-150		10/26/18 21:56
Tetrachloro-m-xylene [2]	92.5	30-150		10/26/18 21:56

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S23 | Sampled: 10/24/2018 11:24

Sample ID: 18J1227-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.4		% Wt	1		SM 2540G	10/24/18	10/25/18 12:01	KMG

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT Sample Description: Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S24 Sampled: 10/24/2018 11:25

Sample ID: 18J1227-16

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 22:14	WAL
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 22:14	WAL
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 22:14	WAL
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 22:14	WAL
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 22:14	WAL
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 22:14	WAL
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 22:14	WAL
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 22:14	WAL
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 22:14	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.3	30-150		10/26/18 22:14
Decachlorobiphenyl [2]	89.3	30-150		10/26/18 22:14
Tetrachloro-m-xylene [1]	85.7	30-150		10/26/18 22:14
Tetrachloro-m-xylene [2]	90.7	30-150		10/26/18 22:14

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S24 | Sampled: 10/24/2018 11:25

Sample ID: 18J1227-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.4		% Wt	1		SM 2540G	10/24/18	10/25/18 12:01	KMG

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S25 | Sampled: 10/24/2018 11:26

Sample ID: 18J1227-17

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 22:32	WAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 22:32	WAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 22:32	WAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 22:32	WAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 22:32	WAL
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 22:32	WAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 22:32	WAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 22:32	WAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 22:32	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.3	30-150		10/26/18 22:32
Decachlorobiphenyl [2]	89.0	30-150		10/26/18 22:32
Tetrachloro-m-xylene [1]	85.6	30-150		10/26/18 22:32
Tetrachloro-m-xylene [2]	90.2	30-150		10/26/18 22:32

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S25 | Sampled: 10/24/2018 11:26

Sample ID: 18J1227-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.4		% Wt	1		SM 2540G	10/24/18	10/25/18 12:01	KMG

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S26 | Sampled: 10/24/2018 11:32

Sample ID: 18J1227-18

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/25/18 20:41	WAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 20:41	WAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 20:41	WAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 20:41	WAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 20:41	WAL
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 20:41	WAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/25/18 20:41	WAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 20:41	WAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 20:41	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.0	30-150		10/25/18 20:41
Decachlorobiphenyl [2]	92.7	30-150		10/25/18 20:41
Tetrachloro-m-xylene [1]	84.8	30-150		10/25/18 20:41
Tetrachloro-m-xylene [2]	89.1	30-150		10/25/18 20:41

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S26 | Sampled: 10/24/2018 11:32

Sample ID: 18J1227-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.4		% Wt	1		SM 2540G	10/24/18	10/25/18 12:01	KMG

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S27 | Sampled: 10/24/2018 11:33

Sample ID: 18J1227-19

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/25/18 20:58	WAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 20:58	WAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 20:58	WAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 20:58	WAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 20:58	WAL
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 20:58	WAL
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/25/18 20:58	WAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 20:58	WAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 20:58	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.1	30-150		10/25/18 20:58
Decachlorobiphenyl [2]	100	30-150		10/25/18 20:58
Tetrachloro-m-xylene [1]	93.0	30-150		10/25/18 20:58
Tetrachloro-m-xylene [2]	97.7	30-150		10/25/18 20:58

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S27 | Sampled: 10/24/2018 11:33

Sample ID: 18J1227-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.0		% Wt	1		SM 2540G	10/24/18	10/25/18 12:02	KMG

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S28 | Sampled: 10/24/2018 11:34

Sample ID: 18J1227-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/25/18 21:16	WAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:16	WAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:16	WAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:16	WAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:16	WAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:16	WAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/25/18 21:16	WAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:16	WAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:16	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.5	30-150		10/25/18 21:16
Decachlorobiphenyl [2]	93.5	30-150		10/25/18 21:16
Tetrachloro-m-xylene [1]	85.8	30-150		10/25/18 21:16
Tetrachloro-m-xylene [2]	90.7	30-150		10/25/18 21:16

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S28 | Sampled: 10/24/2018 11:34

Sample ID: 18J1227-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.2		% Wt	1		SM 2540G	10/24/18	10/25/18 12:02	KMG

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT Sample Description: Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S29 Sampled: 10/24/2018 11:35

Sample ID: 18J1227-21

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	10/24/18	10/26/18 9:27	WAL
Aroclor-1221 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	10/24/18	10/26/18 9:27	WAL
Aroclor-1232 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	10/24/18	10/26/18 9:27	WAL
Aroclor-1242 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	10/24/18	10/26/18 9:27	WAL
Aroclor-1248 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	10/24/18	10/26/18 9:27	WAL
Aroclor-1254 [2]	2.5	0.45	mg/Kg dry	20		SW-846 8082A	10/24/18	10/26/18 9:27	WAL
Aroclor-1260 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	10/24/18	10/26/18 9:27	WAL
Aroclor-1262 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	10/24/18	10/26/18 9:27	WAL
Aroclor-1268 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	10/24/18	10/26/18 9:27	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	68.8	30-150		10/26/18 9:27
Decachlorobiphenyl [2]	82.2	30-150		10/26/18 9:27
Tetrachloro-m-xylene [1]	78.1	30-150		10/26/18 9:27
Tetrachloro-m-xylene [2]	77.5	30-150		10/26/18 9:27

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S29 | Sampled: 10/24/2018 11:35

Sample ID: 18J1227-21

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.1		% Wt	1		SM 2540G	10/24/18	10/25/18 12:02	KMG

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S30 | Sampled: 10/24/2018 11:36

Sample ID: 18J1227-22

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:51	WAL
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:51	WAL
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:51	WAL
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:51	WAL
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:51	WAL
Aroclor-1254 [2]	0.14	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:51	WAL
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:51	WAL
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:51	WAL
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:51	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.1	30-150		10/25/18 21:51
Decachlorobiphenyl [2]	88.3	30-150		10/25/18 21:51
Tetrachloro-m-xylene [1]	77.1	30-150		10/25/18 21:51
Tetrachloro-m-xylene [2]	81.0	30-150		10/25/18 21:51

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S30 | Sampled: 10/24/2018 11:36

Sample ID: 18J1227-22

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.0		% Wt	1		SM 2540G	10/24/18	10/25/18 12:02	KMG

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S30 Duplicate | Sampled: 10/24/2018 11:36

Sample ID: 18J1227-23

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:08	WAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:08	WAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:08	WAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:08	WAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:08	WAL
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:08	WAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:08	WAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:08	WAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:08	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.5	30-150		10/25/18 22:08
Decachlorobiphenyl [2]	102	30-150		10/25/18 22:08
Tetrachloro-m-xylene [1]	88.2	30-150		10/25/18 22:08
Tetrachloro-m-xylene [2]	92.5	30-150		10/25/18 22:08

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S30 Duplicate | Sampled: 10/24/2018 11:36

Sample ID: 18J1227-23

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.5		% Wt	1		SM 2540G	10/24/18	10/25/18 12:02	KMG

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S31 | Sampled: 10/24/2018 11:37

Sample ID: 18J1227-24

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:26	WAL
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:26	WAL
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:26	WAL
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:26	WAL
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:26	WAL
Aroclor-1254 [2]	0.16	0.091	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:26	WAL
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:26	WAL
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:26	WAL
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:26	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.7	30-150		10/25/18 22:26
Decachlorobiphenyl [2]	105	30-150		10/25/18 22:26
Tetrachloro-m-xylene [1]	89.0	30-150		10/25/18 22:26
Tetrachloro-m-xylene [2]	93.9	30-150		10/25/18 22:26

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S31 | Sampled: 10/24/2018 11:37

Sample ID: 18J1227-24

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.2		% Wt	1		SM 2540G	10/24/18	10/25/18 12:02	KMG

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
18J1227-01 [S10]	B215628	10/24/18
18J1227-02 [S10 Duplicate]	B215628	10/24/18
18J1227-03 [S11]	B215628	10/24/18
18J1227-04 [S12]	B215628	10/24/18
18J1227-05 [S13]	B215628	10/24/18
18J1227-06 [S14]	B215628	10/24/18
18J1227-07 [S15]	B215628	10/24/18
18J1227-08 [S16]	B215628	10/24/18
18J1227-09 [S17]	B215628	10/24/18
18J1227-10 [S18]	B215628	10/24/18
18J1227-11 [S19]	B215628	10/24/18
18J1227-12 [S20]	B215628	10/24/18
18J1227-13 [S21]	B215628	10/24/18
18J1227-14 [S22]	B215628	10/24/18
18J1227-15 [S23]	B215628	10/24/18
18J1227-16 [S24]	B215628	10/24/18
18J1227-17 [S25]	B215628	10/24/18
18J1227-18 [S26]	B215628	10/24/18
18J1227-19 [S27]	B215628	10/24/18
18J1227-20 [S28]	B215628	10/24/18
18J1227-21 [S29]	B215628	10/24/18
18J1227-22 [S30]	B215628	10/24/18
18J1227-23 [S30 Duplicate]	B215628	10/24/18
18J1227-24 [S31]	B215628	10/24/18

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18J1227-21 [S29]	B215613	10.1	10.0	10/24/18
18J1227-22 [S30]	B215613	10.0	10.0	10/24/18
18J1227-23 [S30 Duplicate]	B215613	10.3	10.0	10/24/18
18J1227-24 [S31]	B215613	10.2	10.0	10/24/18

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18J1227-01 [S10]	B215620	10.1	10.0	10/24/18
18J1227-02 [S10 Duplicate]	B215620	10.0	10.0	10/24/18
18J1227-03 [S11]	B215620	10.2	10.0	10/24/18
18J1227-04 [S12]	B215620	10.0	10.0	10/24/18
18J1227-05 [S13]	B215620	10.1	10.0	10/24/18
18J1227-06 [S14]	B215620	10.2	10.0	10/24/18
18J1227-07 [S15]	B215620	10.1	10.0	10/24/18
18J1227-08 [S16]	B215620	10.3	10.0	10/24/18
18J1227-09 [S17]	B215620	10.1	10.0	10/24/18
18J1227-10 [S18]	B215620	10.1	10.0	10/24/18
18J1227-11 [S19]	B215620	10.3	10.0	10/24/18
18J1227-12 [S20]	B215620	10.1	10.0	10/24/18
18J1227-13 [S21]	B215620	10.1	10.0	10/24/18
18J1227-14 [S22]	B215620	10.1	10.0	10/24/18
18J1227-15 [S23]	B215620	10.2	10.0	10/24/18
18J1227-16 [S24]	B215620	10.0	10.0	10/24/18
18J1227-17 [S25]	B215620	10.2	10.0	10/24/18

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Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18J1227-18 [S26]	B215620	10.2	10.0	10/24/18
18J1227-19 [S27]	B215620	10.2	10.0	10/24/18
18J1227-20 [S28]	B215620	10.1	10.0	10/24/18

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B215613 - SW-846 3540C										
Blank (B215613-BLK1)				Prepared: 10/24/18 Analyzed: 10/25/18						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.167*		mg/Kg wet	0.200		83.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.197*		mg/Kg wet	0.200		98.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.184*		mg/Kg wet	0.200		91.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.201*		mg/Kg wet	0.200		100	30-150			
LCS (B215613-BS1)				Prepared: 10/24/18 Analyzed: 10/25/18						
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		92.4	40-140			
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		97.6	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		84.9	40-140			
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		97.1	40-140			
Surrogate: Decachlorobiphenyl	*0.157*		mg/Kg wet	0.200		78.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.185*		mg/Kg wet	0.200		92.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.173*		mg/Kg wet	0.200		86.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.188*		mg/Kg wet	0.200		93.8	30-150			
LCS Dup (B215613-BSD1)				Prepared: 10/24/18 Analyzed: 10/25/18						
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		91.2	40-140	1.29	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		96.6	40-140	1.07	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		83.3	40-140	1.92	30	
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		94.3	40-140	2.89	30	
Surrogate: Decachlorobiphenyl	*0.154*		mg/Kg wet	0.200		76.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.181*		mg/Kg wet	0.200		90.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.170*		mg/Kg wet	0.200		85.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.184*		mg/Kg wet	0.200		92.2	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD		RPD Limit	Notes
Batch B215620 - SW-846 3540C											
Blank (B215620-BLK1)				Prepared: 10/24/18 Analyzed: 10/25/18							
Aroclor-1016	ND	0.020	mg/Kg wet								R-05
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet								R-05
Aroclor-1221	ND	0.020	mg/Kg wet								
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1232	ND	0.020	mg/Kg wet								
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1242	ND	0.020	mg/Kg wet								
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1248	ND	0.020	mg/Kg wet								
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1254	ND	0.020	mg/Kg wet								
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1260	ND	0.020	mg/Kg wet								R-05
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet								R-05
Aroclor-1262	ND	0.020	mg/Kg wet								
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1268	ND	0.020	mg/Kg wet								
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet								
Surrogate: Decachlorobiphenyl	*0.151*		mg/Kg wet	0.200		75.6	30-150				
Surrogate: Decachlorobiphenyl [2C]	*0.178*		mg/Kg wet	0.200		88.9	30-150				
Surrogate: Tetrachloro-m-xylene	*0.167*		mg/Kg wet	0.200		83.7	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	*0.181*		mg/Kg wet	0.200		90.6	30-150				
LCS (B215620-BS1)				Prepared: 10/24/18 Analyzed: 10/25/18							
Aroclor-1016	0.27	0.020	mg/Kg wet	0.400		67.9	40-140				R-05
Aroclor-1016 [2C]	0.29	0.020	mg/Kg wet	0.400		72.7	40-140				R-05
Aroclor-1260	0.26	0.020	mg/Kg wet	0.400		65.2	40-140				R-05
Aroclor-1260 [2C]	0.30	0.020	mg/Kg wet	0.400		75.5	40-140				R-05
Surrogate: Decachlorobiphenyl	*0.249*		mg/Kg wet	0.400		62.2	30-150				
Surrogate: Decachlorobiphenyl [2C]	*0.294*		mg/Kg wet	0.400		73.5	30-150				
Surrogate: Tetrachloro-m-xylene	*0.255*		mg/Kg wet	0.400		63.7	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	*0.279*		mg/Kg wet	0.400		69.8	30-150				
LCS Dup (B215620-BSD1)				Prepared: 10/24/18 Analyzed: 10/25/18							
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		94.7	40-140	**35.6**	*	30	R-05
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		102	40-140	**35.4**	*	30	R-05
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		89.1	40-140	**37.7**	*	30	R-05
Aroclor-1260 [2C]	0.20	0.020	mg/Kg wet	0.200		101	40-140	**39.5**	*	30	R-05
Surrogate: Decachlorobiphenyl	*0.166*		mg/Kg wet	0.200		83.0	30-150				
Surrogate: Decachlorobiphenyl [2C]	*0.196*		mg/Kg wet	0.200		98.1	30-150				
Surrogate: Tetrachloro-m-xylene	*0.177*		mg/Kg wet	0.200		88.4	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	*0.192*		mg/Kg wet	0.200		95.8	30-150				

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B215620 - SW-846 3540C										
Matrix Spike (B215620-MS1)	**Source: 18J1227-01**			Prepared: 10/24/18 Analyzed: 10/26/18						
Aroclor-1016	0.23	0.094	mg/Kg dry	0.234	ND	99.9	40-140			R-05
Aroclor-1016 [2C]	0.25	0.094	mg/Kg dry	0.234	ND	107	40-140			R-05
Aroclor-1260	0.26	0.094	mg/Kg dry	0.234	ND	110	40-140			R-05
Aroclor-1260 [2C]	0.27	0.094	mg/Kg dry	0.234	ND	115	40-140			R-05
Surrogate: Decachlorobiphenyl	*0.214*		mg/Kg dry	0.234		91.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.217*		mg/Kg dry	0.234		92.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.197*		mg/Kg dry	0.234		83.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.207*		mg/Kg dry	0.234		88.4	30-150			
Matrix Spike Dup (B215620-MSD1)	**Source: 18J1227-01**			Prepared: 10/24/18 Analyzed: 10/26/18						
Aroclor-1016	0.23	0.094	mg/Kg dry	0.234	ND	100	40-140	0.337	50	R-05
Aroclor-1016 [2C]	0.25	0.094	mg/Kg dry	0.234	ND	108	40-140	1.12	50	R-05
Aroclor-1260	0.26	0.094	mg/Kg dry	0.234	ND	112	40-140	0.908	50	R-05
Aroclor-1260 [2C]	0.27	0.094	mg/Kg dry	0.234	ND	116	40-140	0.582	50	R-05
Surrogate: Decachlorobiphenyl	*0.221*		mg/Kg dry	0.234		94.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.218*		mg/Kg dry	0.234		93.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.197*		mg/Kg dry	0.234		84.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.206*		mg/Kg dry	0.234		88.2	30-150			

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B215628 - % Solids										
Duplicate (B215628-DUP3)	**Source: 18J1227-01**			Prepared: 10/24/18 Analyzed: 10/25/18						
% Solids	82.8		% Wt		84.8			2.38	20	
Duplicate (B215628-DUP4)	**Source: 18J1227-02**			Prepared: 10/24/18 Analyzed: 10/25/18						
% Solids	82.5		% Wt		79.3			3.93	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

S10

Lab Sample ID: 18J1227-01 Date(s) Analyzed 10/26/2018 10/26/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.10	
	2	0.000	-0.030	0.030	0.13	16.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

S14

Lab Sample ID: 18J1227-06 Date(s) Analyzed 10/26/2018 10/26/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.74	
	2	0.000	-0.030	0.030	0.77	4.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

S29

Lab Sample ID: 18J1227-21 Date(s) Analyzed 10/26/2018 10/26/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.5	
	2	0.000	-0.030	0.030	2.5	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

S30

Lab Sample ID: 18J1227-22 Date(s) Analyzed 10/25/2018 10/25/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.13	
	2	0.000	-0.030	0.030	0.14	7.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

S31

Lab Sample ID: 18J1227-24 Date(s) Analyzed 10/25/2018 10/25/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.12	
	2	0.000	-0.030	0.030	0.16	28.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B215613-BS1 Date(s) Analyzed 10/25/2018 10/25/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.20	5.1
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.19	11.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B215613-BSD1 Date(s) Analyzed 10/25/2018 10/25/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.19	5.4
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.19	11.1

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B215620-BS1 Date(s) Analyzed 10/25/2018 10/25/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.27	
	2	0.000	-0.030	0.030	0.29	7.1
Aroclor-1260	1	0.000	-0.030	0.030	0.26	
	2	0.000	-0.030	0.030	0.30	14.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B215620-BSD1 Date(s) Analyzed 10/25/2018 10/25/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.20	5.1
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.20	10.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B215620-MS1 Date(s) Analyzed 10/26/2018 10/26/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.25	8.3
Aroclor-1260	1	0.000	-0.030	0.030	0.26	
	2	0.000	-0.030	0.030	0.27	3.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B215620-MSD1 Date(s) Analyzed 10/26/2018 10/26/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.25	4.1
Aroclor-1260	1	0.000	-0.030	0.030	0.26	
	2	0.000	-0.030	0.030	0.27	3.8

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

ABS

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ALB

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18T1227

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Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 3

Company Name:	Eversource
Address:	107 Selden St, Berlin, CT
Phone:	860-559-3860
Project Name:	
Project Location:	27 Parsons Ln, Durham, CT
Project Number:	CWC-18-00543
Project Manager:	Mike Gaughan
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	MMG

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☒ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: michael.gaughan@eversource.com
Fax To #:

PCB8082 Soxhlet

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	PCB8082 Soxhlet	# of Containers	Preservation Code	Container Code
1	S10	10/24/18	1110		X	S	4	X			
2	S10 Duplicate	10/24/18	1110		X	S	4	X			
3	S11	10/24/18	1112		X	S	4	X			
4	S12	10/24/18	1113		X	S	4	X			
5	S13	10/24/18	1115		X	S	4	X			
6	S14	10/24/18	1114		X	S	4	X			
7	S15	10/24/18	1116		X	S	4	X			
8	S16	10/24/18	1117		X	S	4	X			
9	S17	10/24/18	1118		X	S	4	X			
10	S18	10/24/18	1119		X	S	4	X			

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: Need chromatographs for all PCB analyses

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)		Date/Time: 10/24/18 12:30
Received by: (signature)	Tom Mauro	Date/Time: 10/24/18 15:30
Relinquished by: (signature)	Tom Mauro	Date/Time: 10/24/18 1750
Received by: (signature)	2.4	Date/Time: 10.24.18 17:5
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Detection Limit Requirements
MA:
CT: GA/Res
Other:

Special Requirements
☐ MA MCP Required
☐ MCP Certification Form Required
☒ CT RCP Required
☐ RCP Certification Form Required
☐ MA State DW Required
PWSID #

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☒ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 2 of 3

Company Name:	Eversource
Address:	107 Selden St, Berlin, CT
Phone:	860-559-3860
Project Name:	
Project Location:	27 Parsons Ln, Durham, CT
Project Number:	CWC-18-00543
Project Manager:	Mike Gaughan
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	MMG

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☒ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: michael.gaughan@eversource.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCB 8082 w Soxhlet	10	HA	# of Containers	[2] Preservation Code	[3] Container Code
11	S19	10/24/18	1120		X	S	U	X					
12	S20	10/24/18	1121		X	S	U	X					
13	S21	10/24/18	1122		X	S	U	X					
14	S22	10/24/18	1123		X	S	U	X					
15	S23	10/24/18	1124		X	S	U	X					
16	S24	10/24/18	~~1123~~ 1125	MMG	X	S	U	X					
17	S25	10/24/18	1126		X	S	U	X					
18	S26	10/24/18	1132		X	S	U	X					
19	S27	10/24/18	1133		X	S	U	X					
20	S28	10/24/18	1134		X	S	U	X					

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:
Need chromatographs for all PCB analyses

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)		Date/Time: 10/24/18 12:30
Received by: (signature)	Tom Muir	Date/Time: 10/24/18 1530
Relinquished by: (signature)	Tom Muir	Date/Time: 10/14/18 1750
Received by: (signature)		Date/Time: 10-24-18 17:50
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Detection Limit Requirements
MA:
CT: GA/Res
Other:

Special Requirements
☐ MA MCP Required
☐ MCP Certification Form Required
☒ CT RCP Required
☐ RCP Certification Form Required
☐ MA State DW Required
PWSID #

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☒ Chromatogram
☐ AIHA-LAP, LLC

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

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CHAIN OF CUSTODY RECORD

Doc # 381 Rev 1_03242017

39 Spruce Street
East Longmeadow, MA 01028

Page 3 of 3

Company Name: Eversource
Address: 107 Selden St, Berlin, CT
Phone: 860-559-3860
Project Name:
Project Location: 27 Parsons Ln, Durham, CT
Project Number: CWC-18-00543
Project Manager: Mike Gaughan
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: MMG

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☒ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: Michael.gaughan@eversource.com
Fax To #:

| Con-Test Work Order# | Client Sample ID / Description | Beginning Date/Time | Ending Date/Time | Composite | Grab | [1]Matrix Code | Conc Code | PCB 8082 Soxhlet | | |

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Eversource

Received By ESD Date 10-24-18 Time 17:50

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 577 Actual Temp - 2.9
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified? _____
Are there Rushes? T Who was notified? BMe
Are there Short Holds? F Who was notified? _____
Is there enough Volume? T
Is there Headspace where applicable? F MS/MSD? F
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? F On COC? F
Do all samples have the proper pH? NA Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	24
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

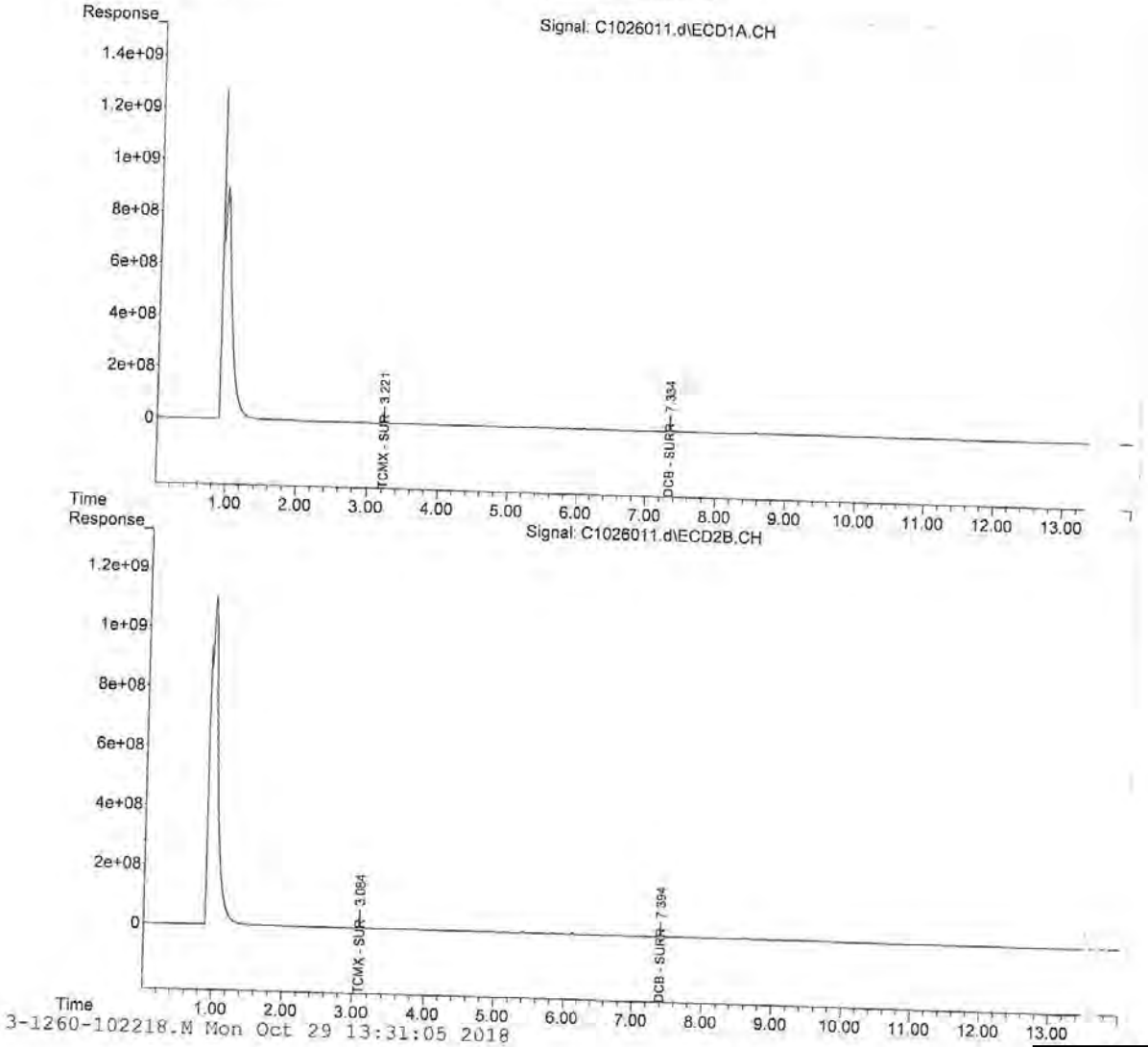
Comments:

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026011.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 16:56 pm
Operator : JMB
Sample : 18J1227-01@4X TBA
Misc :
Inst : DUAL ECD3
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:21:02 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



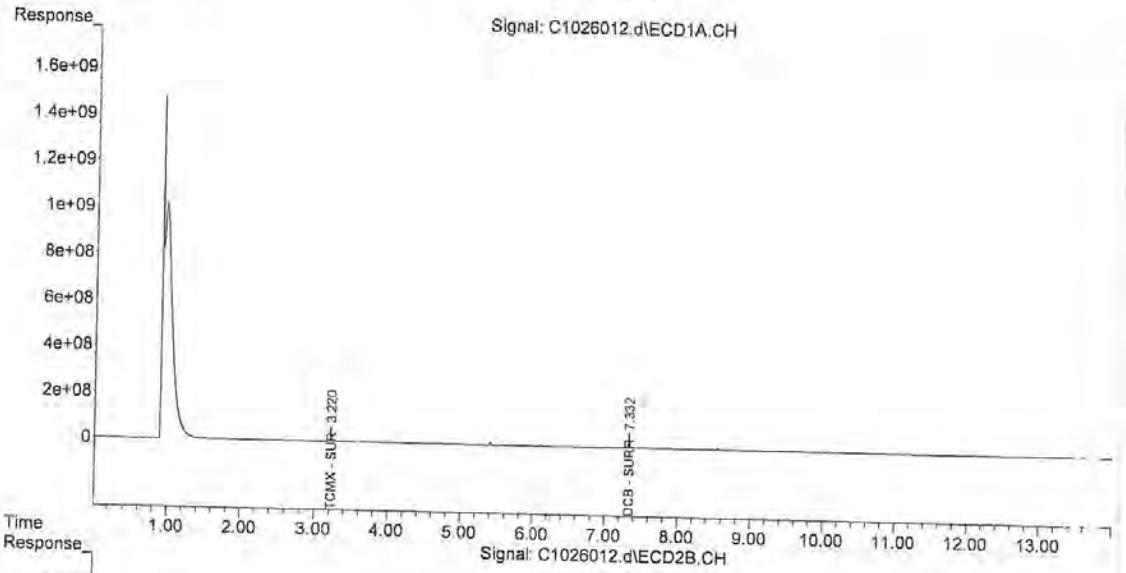
3-1260-102218.M Mon Oct 29 13:31:05 2018

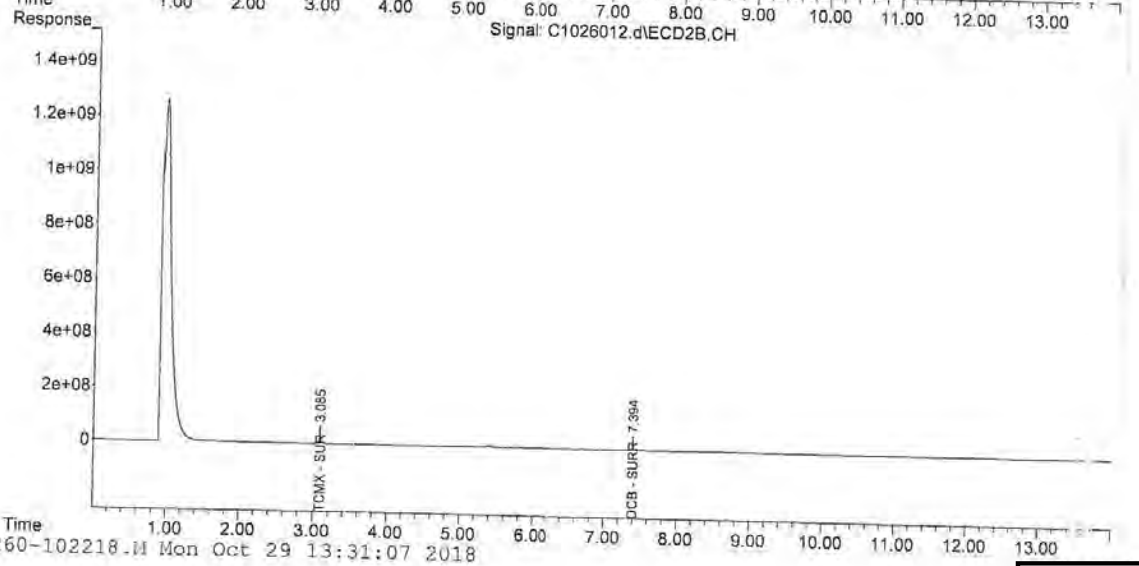
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026012.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 17:14 pm
Operator : JMB
Sample : 18J1227-02@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:23:18 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





3-1260-102218.M Mon Oct 29 13:31:07 2018

Quantitation Report (QT Reviewed)

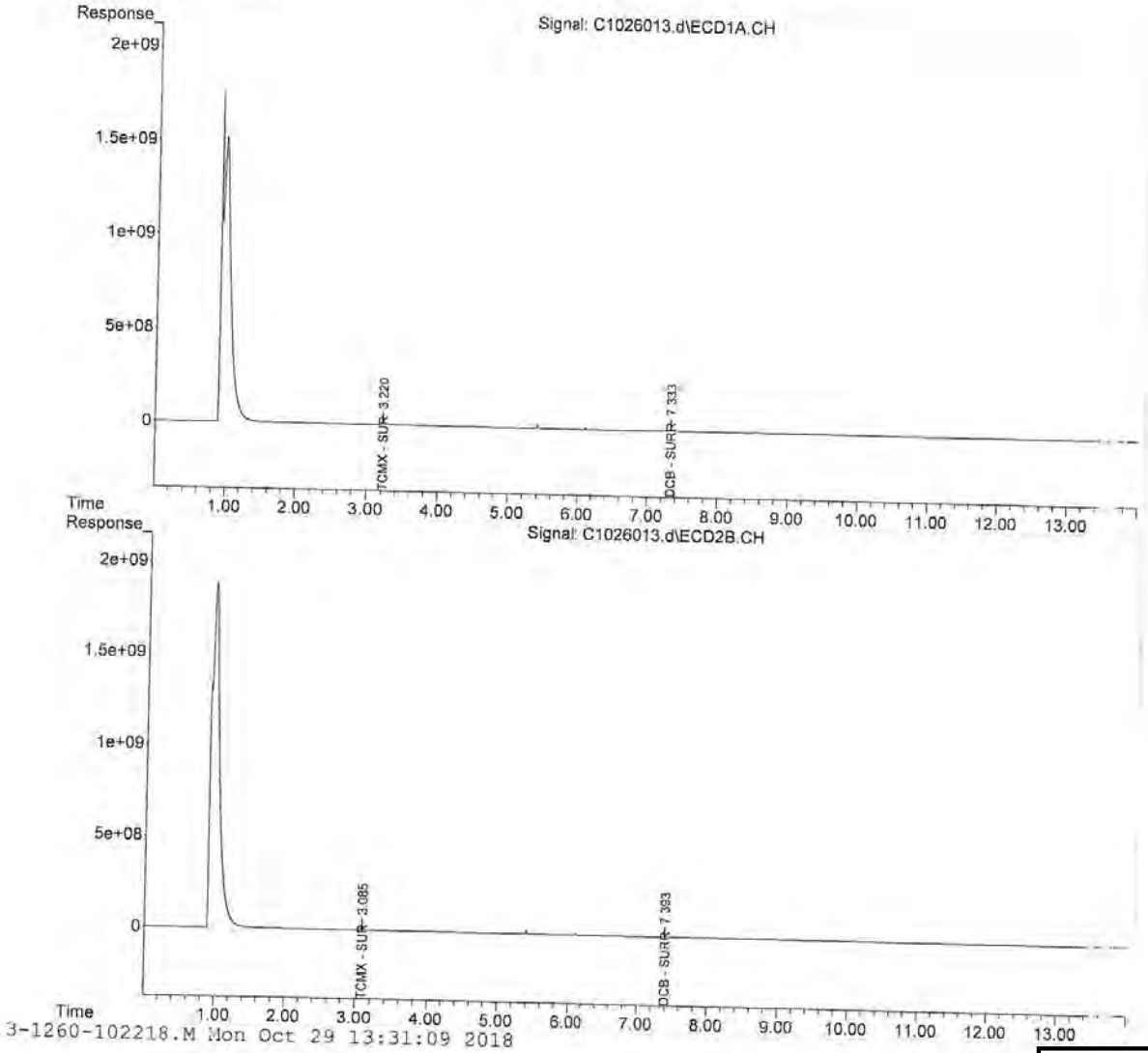
Data Path : C:\msdchem\1\data\102618\
Data File : C1026013.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 17:32 pm
Operator : JMB
Sample : 18J1227-03@4X TBA
Misc :
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Inst : DUAL ECD3

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:27:20 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :

Signal #2 Phase:
Signal #2 Info :



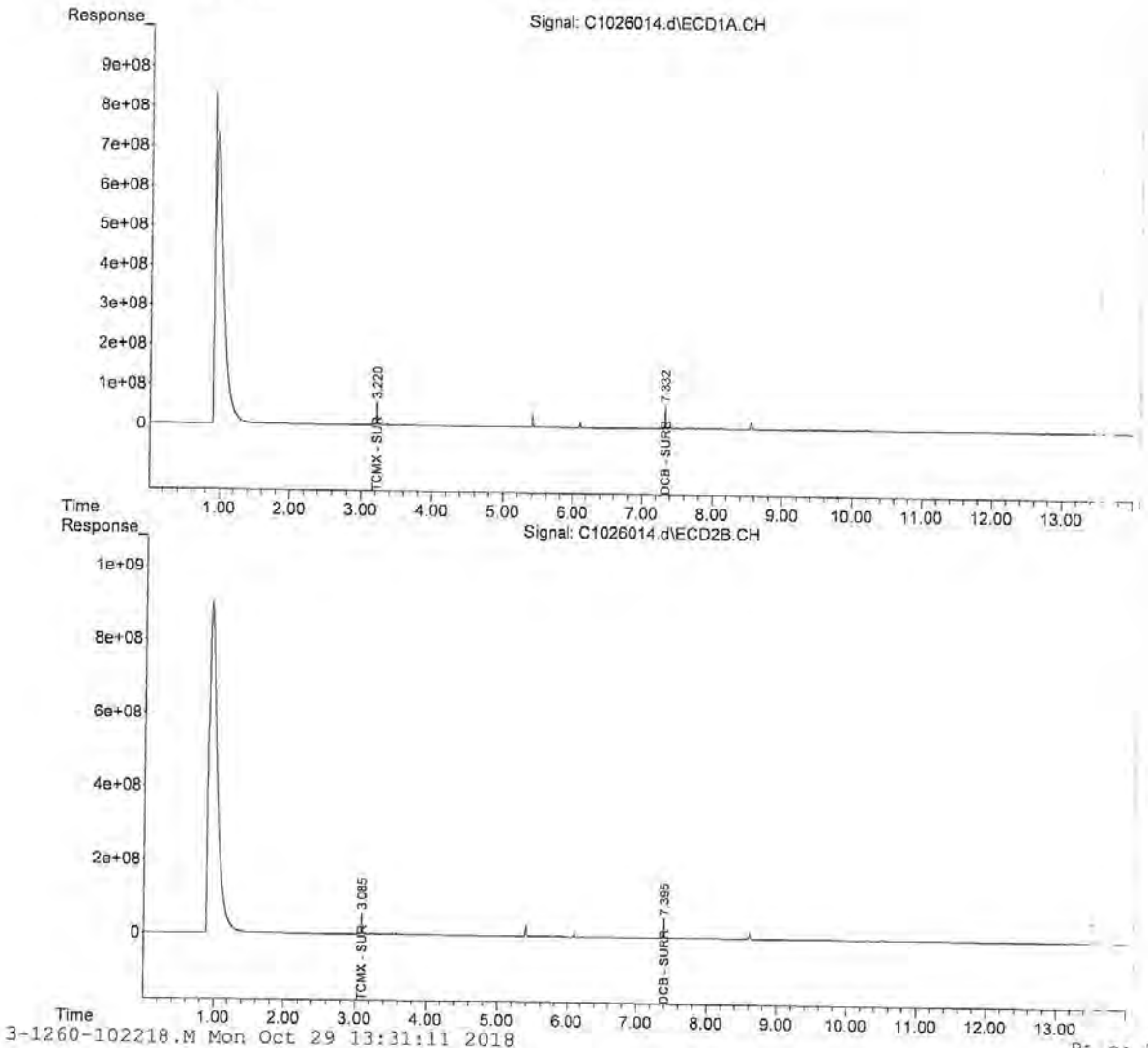
3-1260-102218.M Mon Oct 29 13:31:09 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026014.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 17:50 pm
Operator : JMB
Sample : 18J1227-04@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:29:13 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



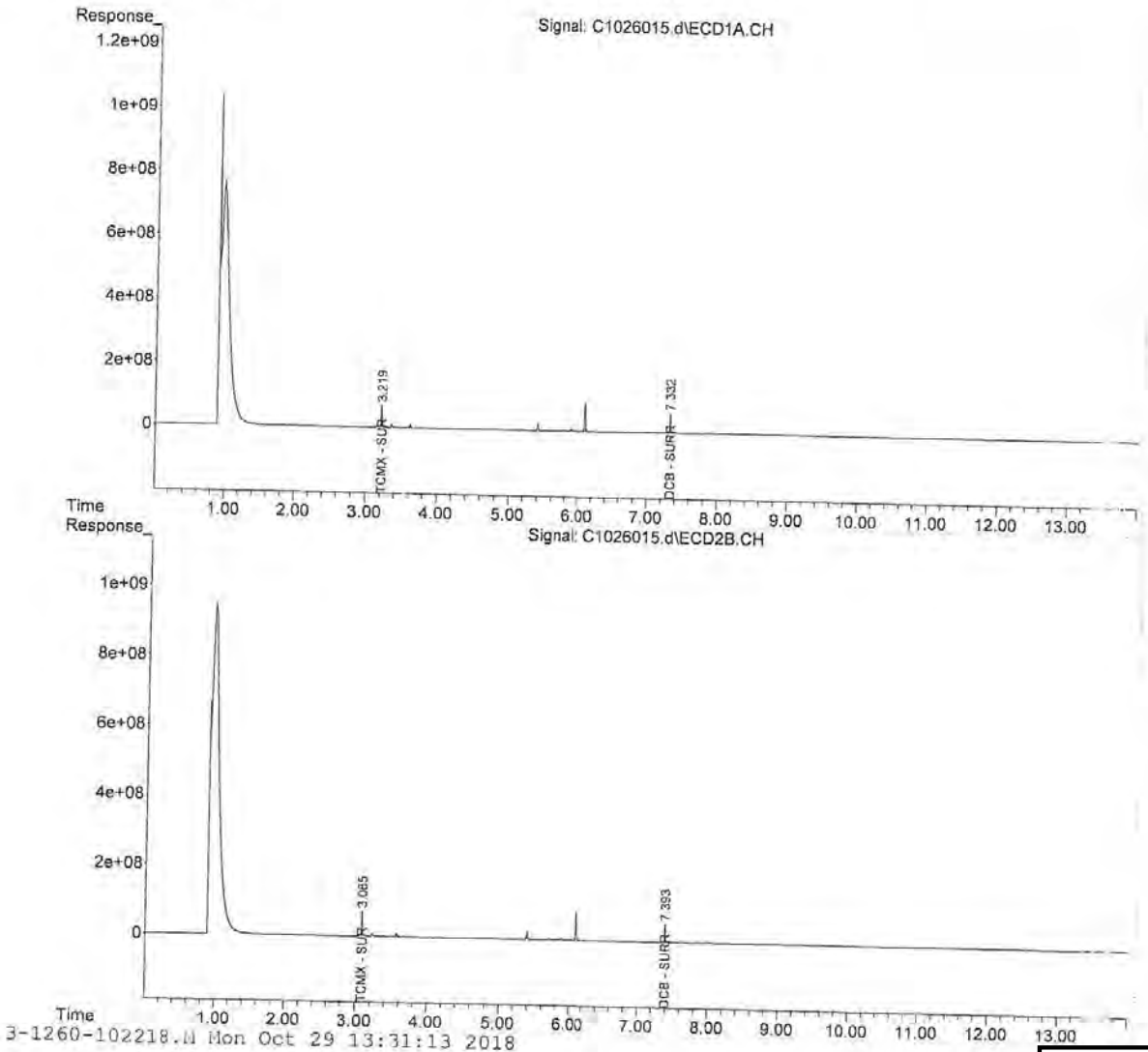
3-1260-102218.M Mon Oct 29 13:31:11 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026015.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 18:08 pm
Operator : JMB
Sample : 18J1227-05@4X TBA
Misc :
Inst : DUAL ECD3
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:30:45 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



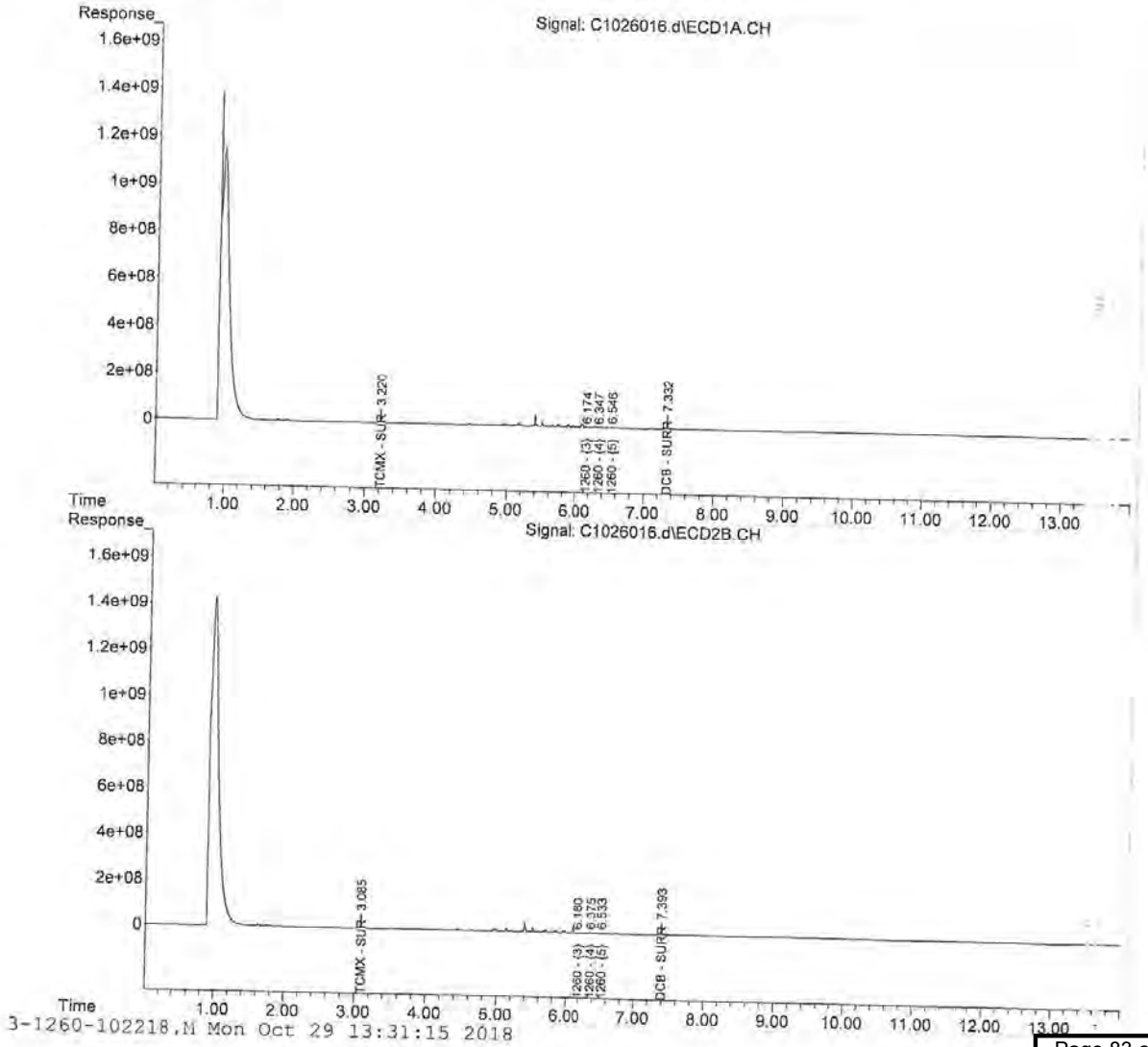
3-1260-102218.M Mon Oct 29 13:31:13 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026016.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 18:26 pm
Operator : JMB
Sample : 18J1227-06@4X TBA
Misc :
Inst : DUAL ECD3
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:42:55 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



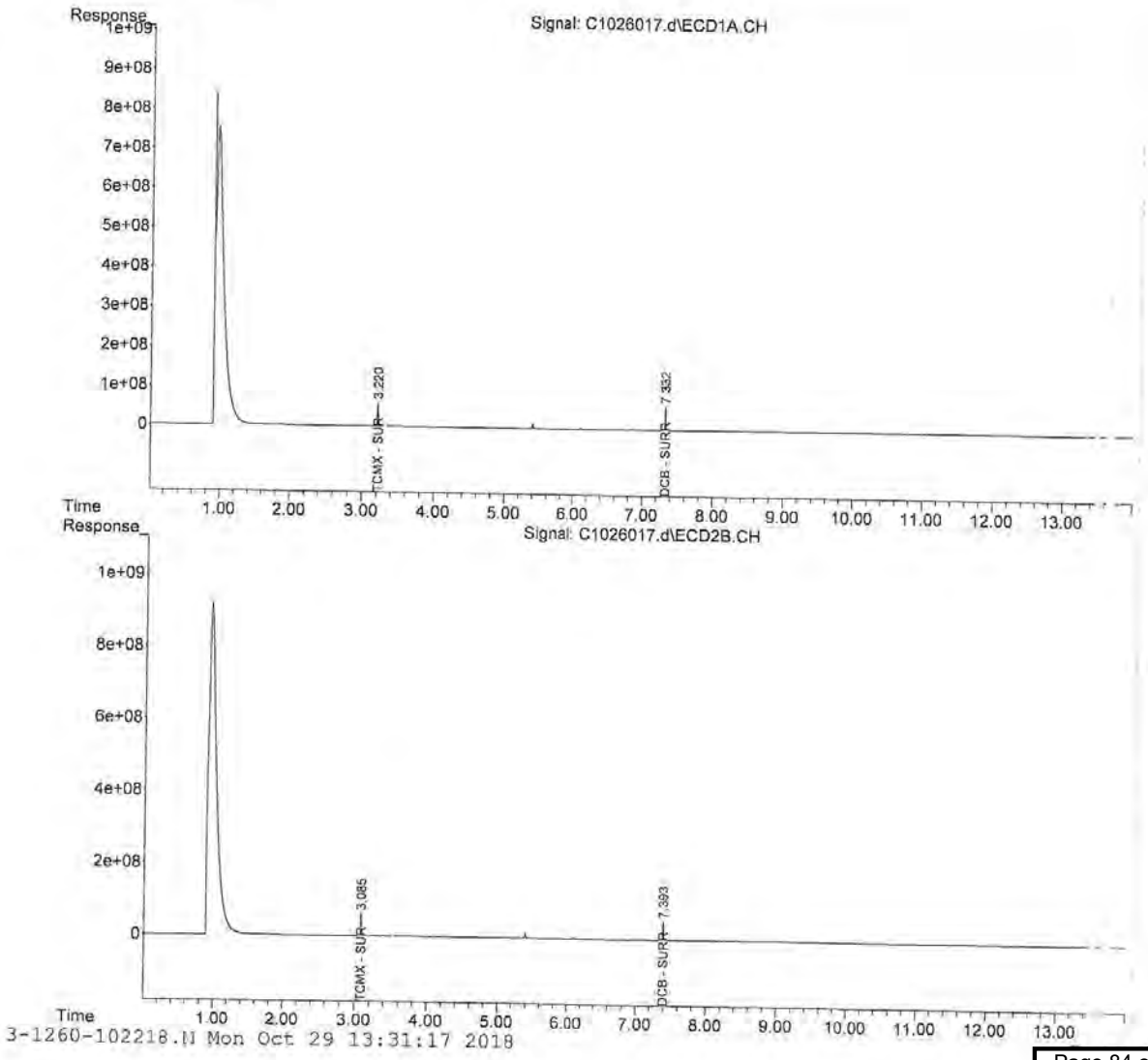
3-1260-102218.M Mon Oct 29 13:31:15 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026017.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 18:44 pm
Operator : JMB
Sample : 18J1227-07@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:44:43 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



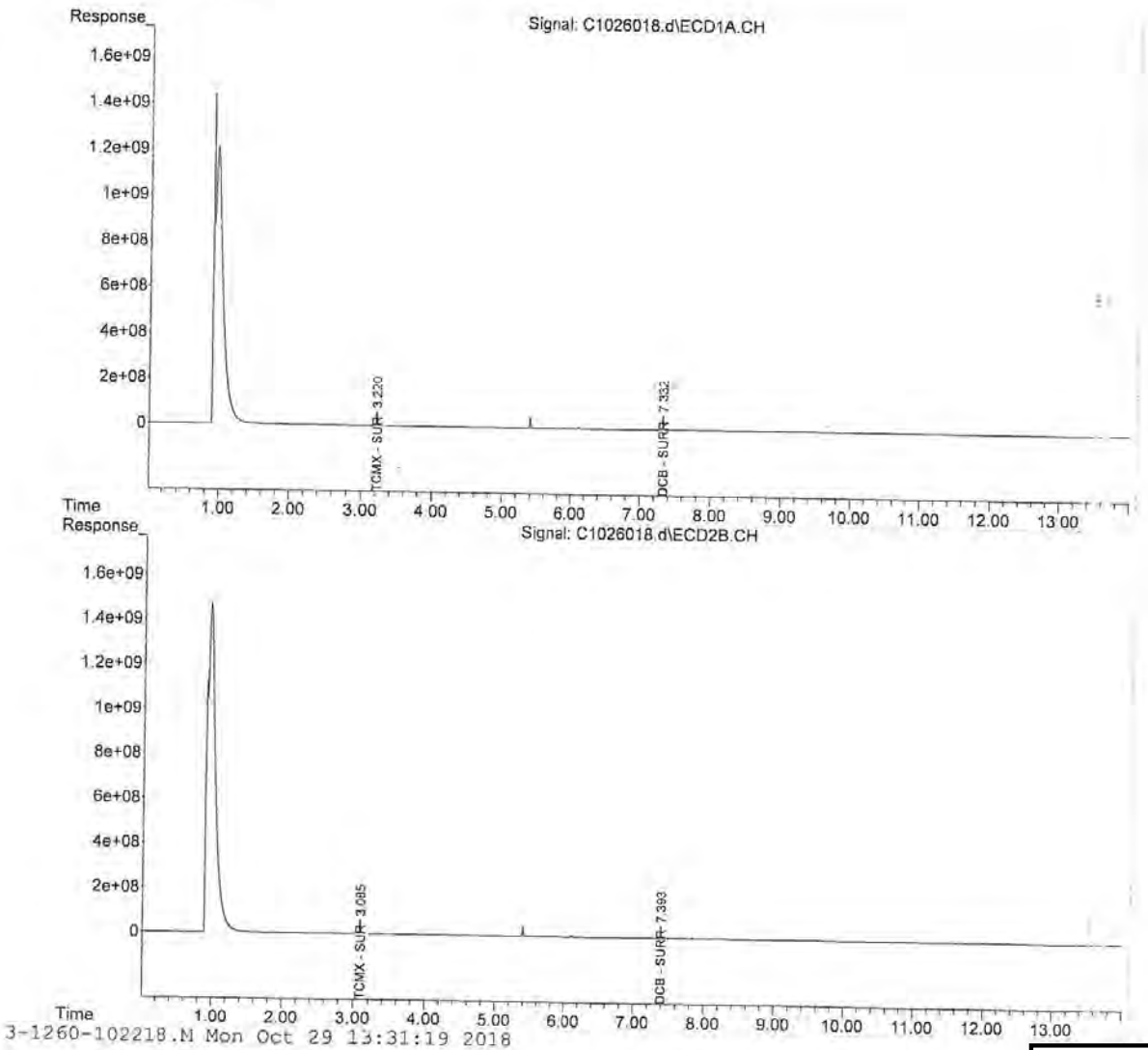
3-1260-102218.M Mon Oct 29 13:31:17 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026018.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 19:02 pm
Operator : JMB
Sample : 18J1227-08@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:45:16 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



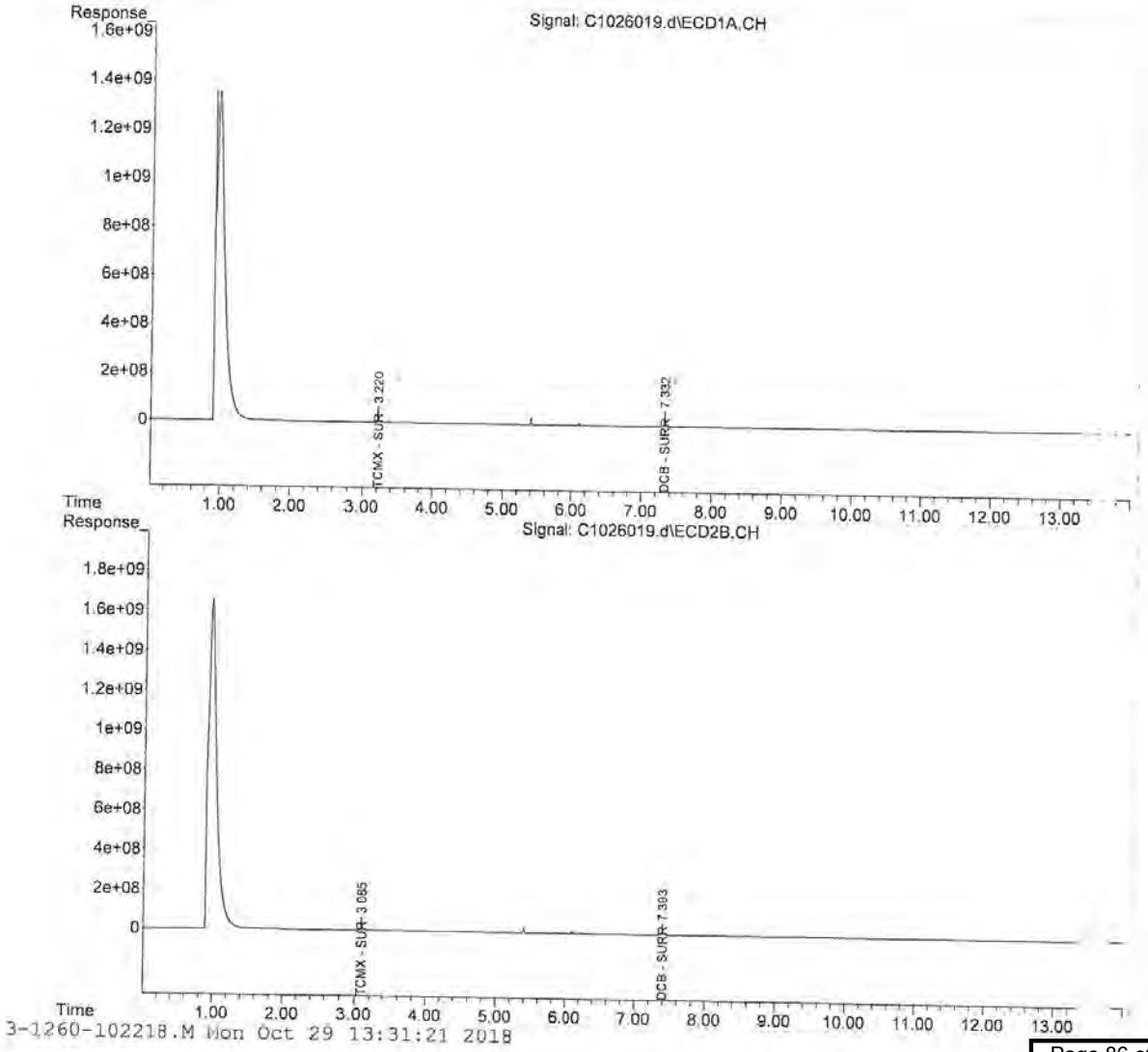
3-1260-102218.M Mon Oct 29 13:31:19 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026019.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 19:20 pm
Operator : JMB
Sample : 18J1227-09@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:45:54 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



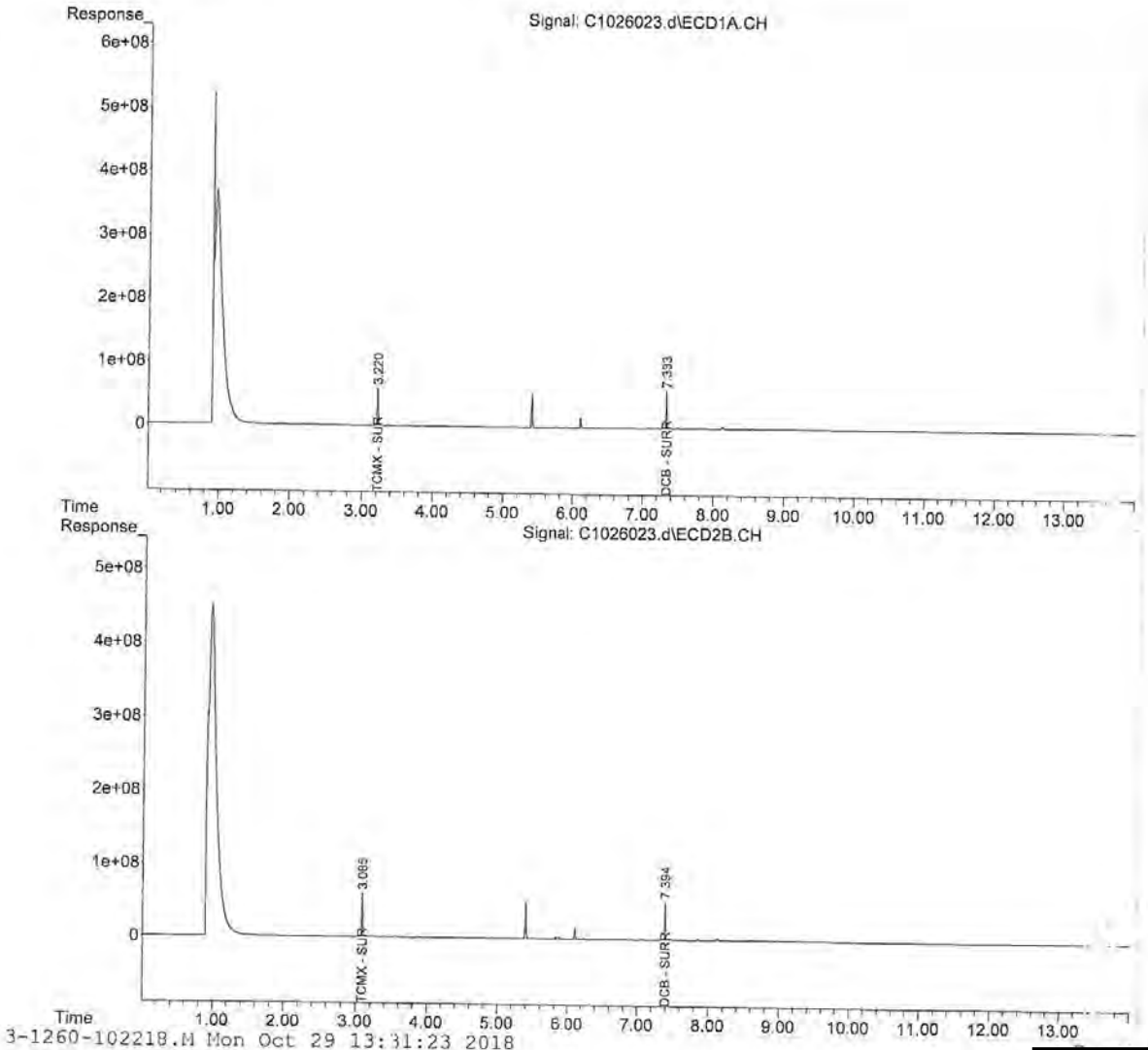
3-1260-102218.M Mon Oct 29 13:31:21 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026023.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 20:26 pm
Operator : JMB
Sample : 18J1227-10@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:48:15 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



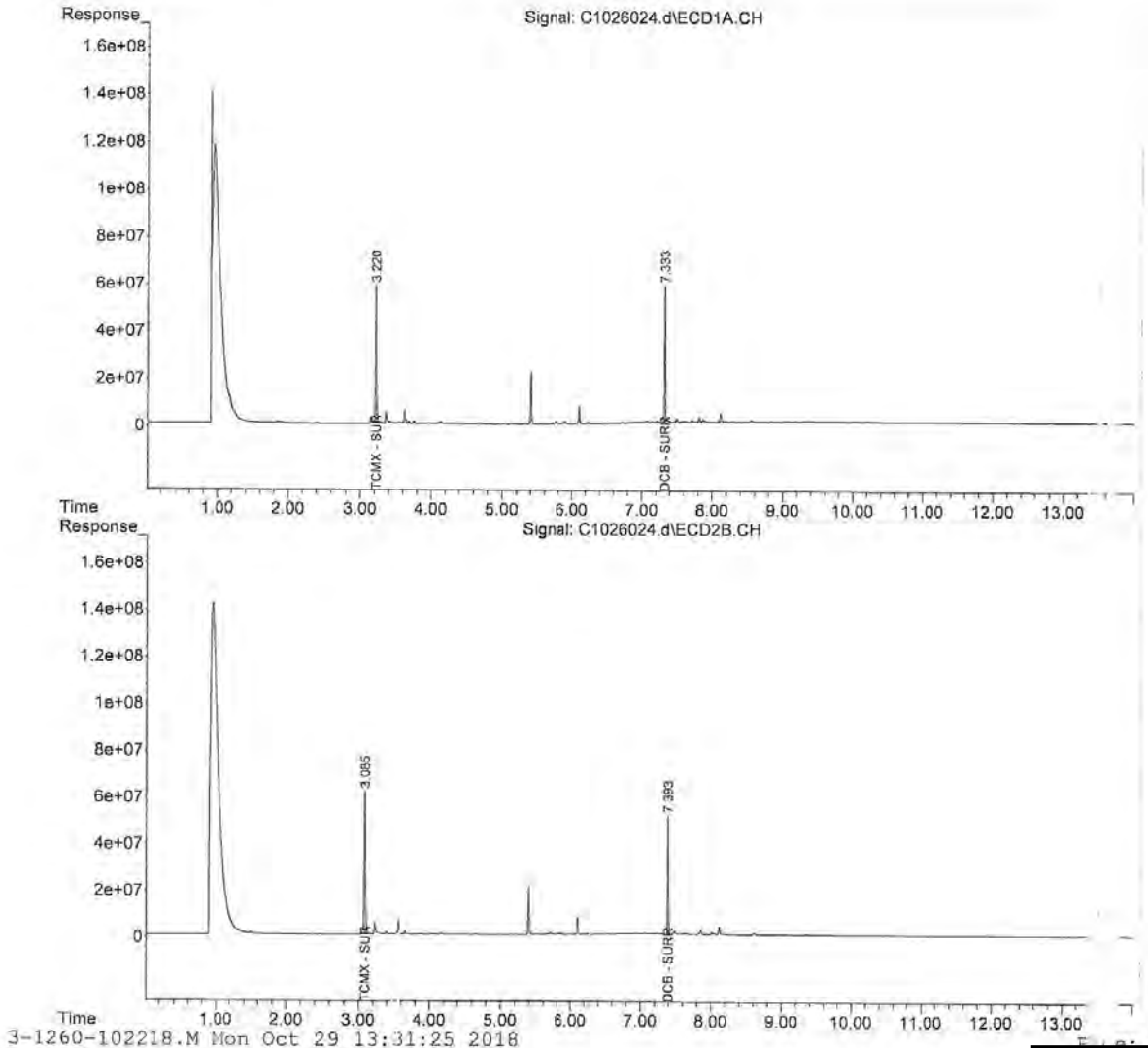
3-1260-102218.M Mon Oct 29 13:31:23 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026024.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 20:44 pm
Operator : JMB
Sample : 18J1227-11@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:48:39 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



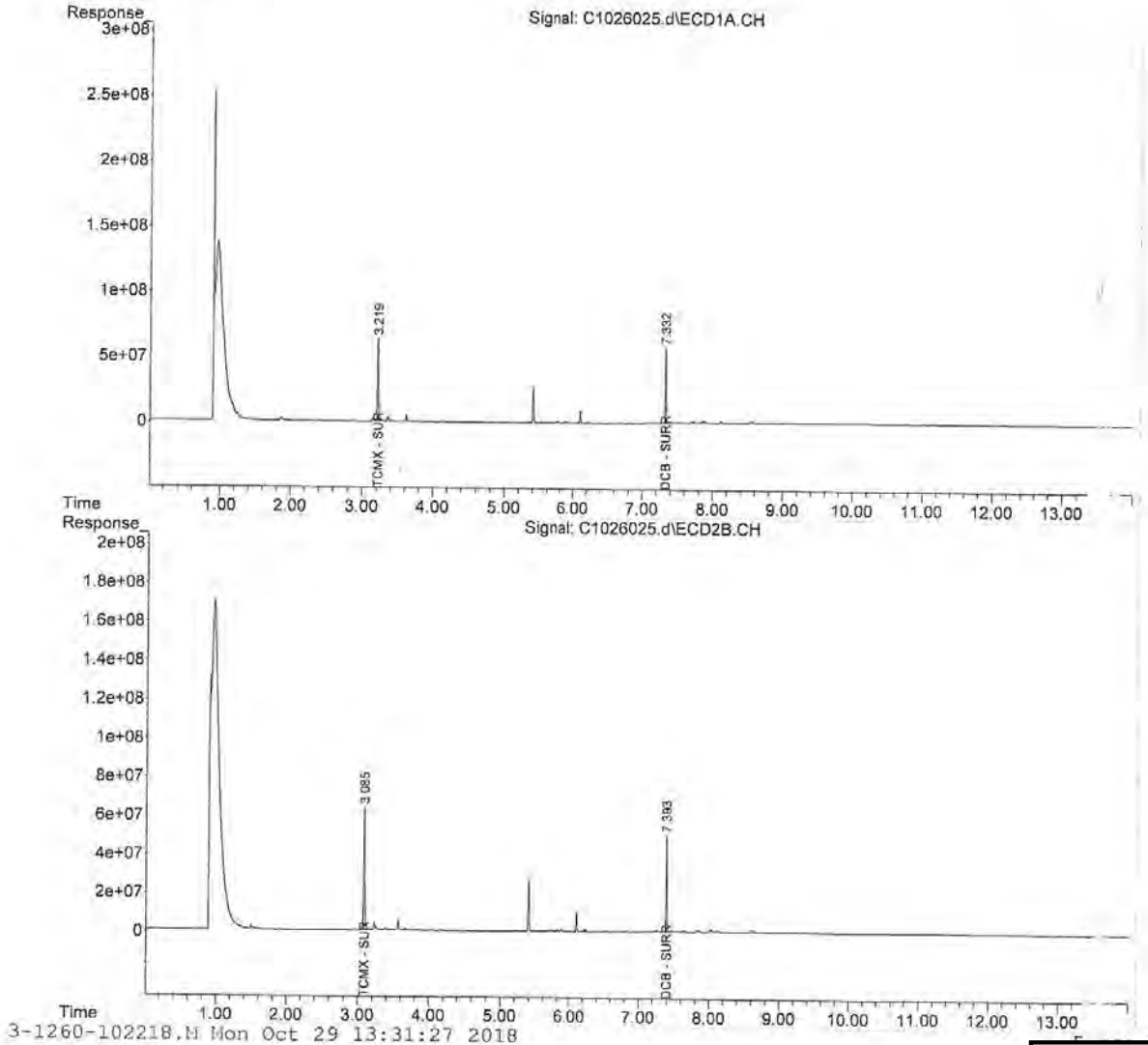
3-1260-102218.M Mon Oct 29 13:31:25 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026025.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 21:02 pm
Operator : JMB
Sample : 18J1227-12@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:49:17 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



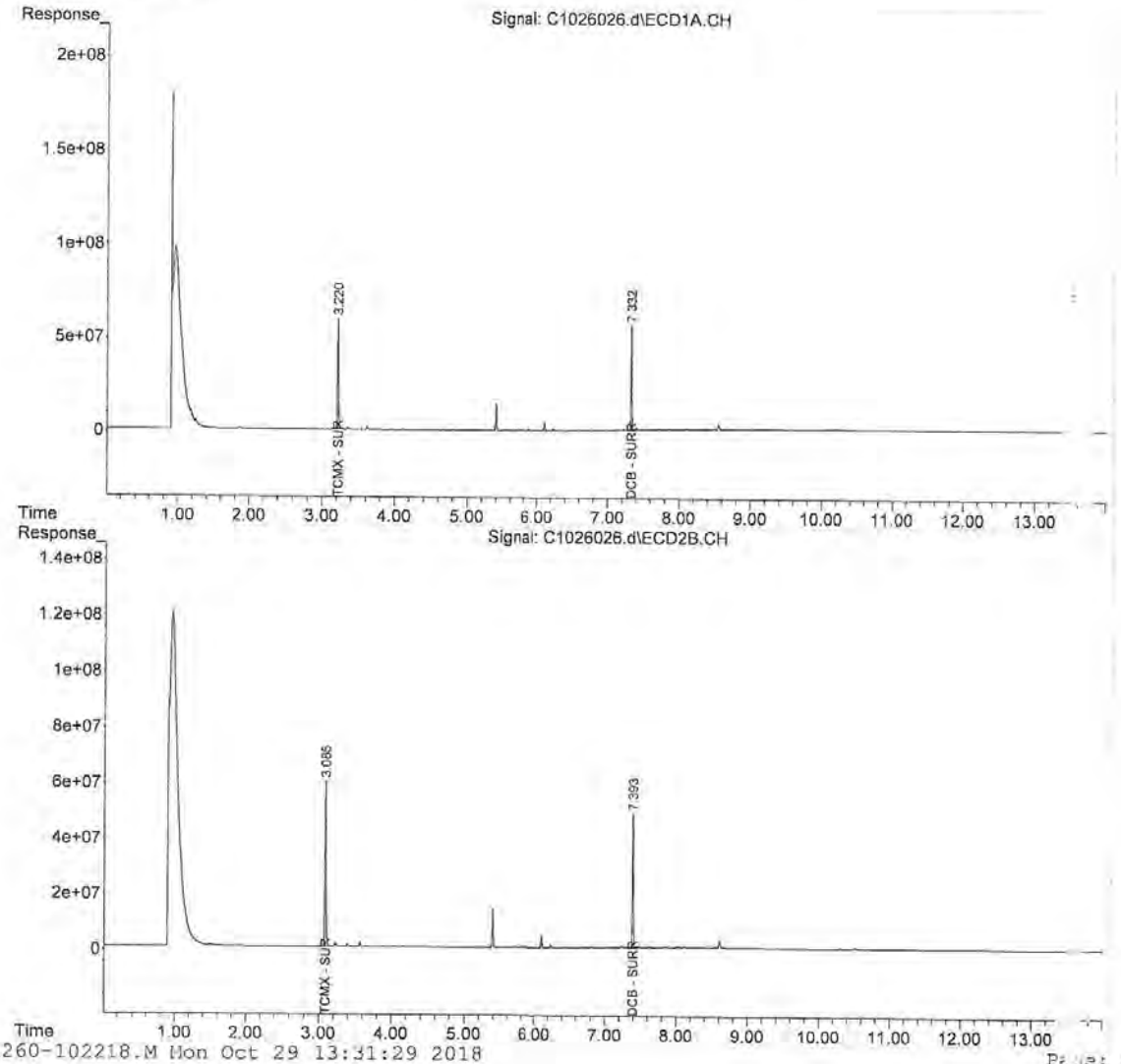
3-1260-102218.M Mon Oct 29 13:31:27 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026026.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 21:20 pm
Operator : JMB
Sample : 18J1227-13@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:49:32 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



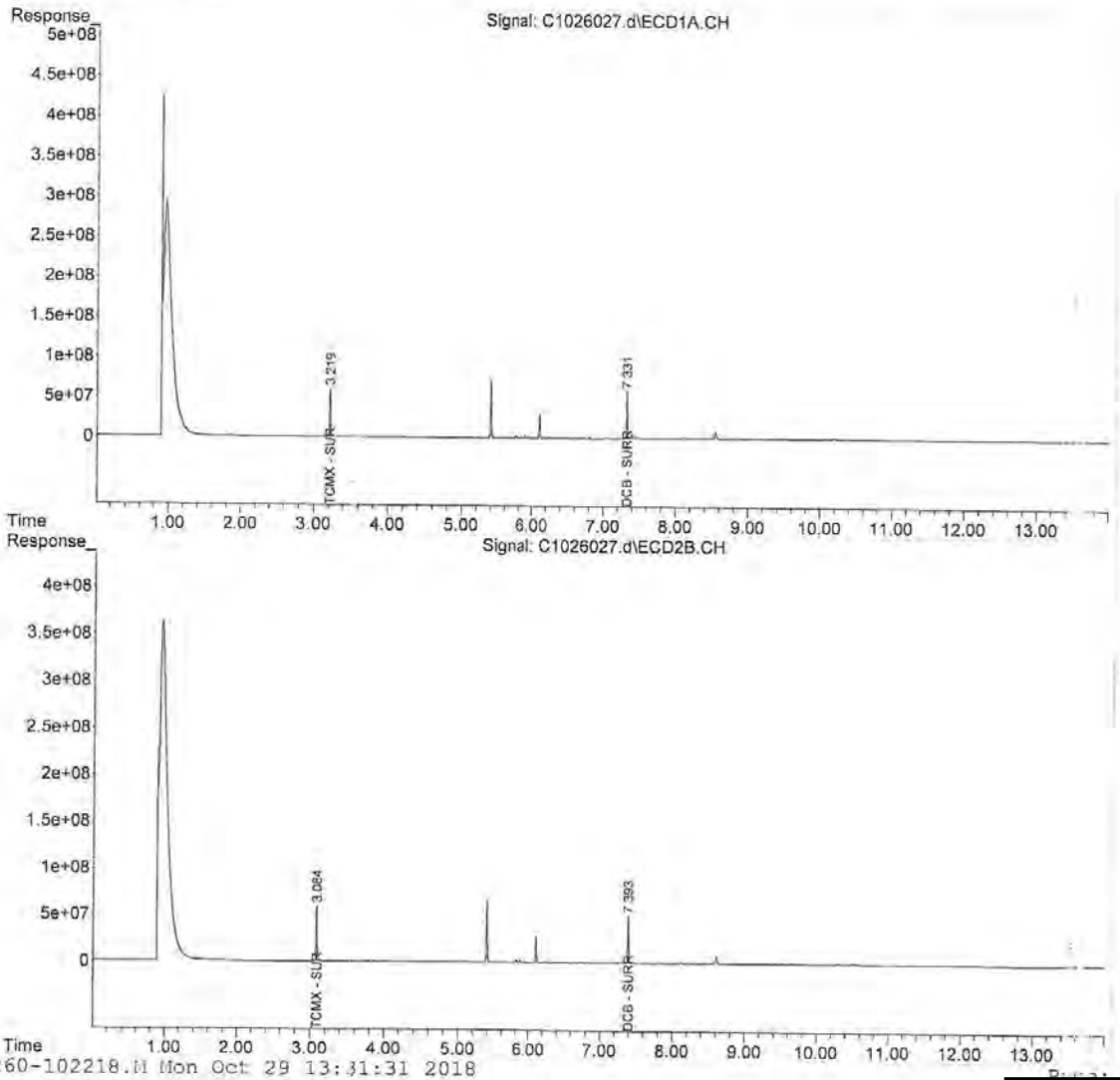
3-1260-102218.M Mon Oct 29 13:31:29 2018 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026027.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 21:38 pm
Operator : JNB
Sample : 18J1227-14@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:50:01 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



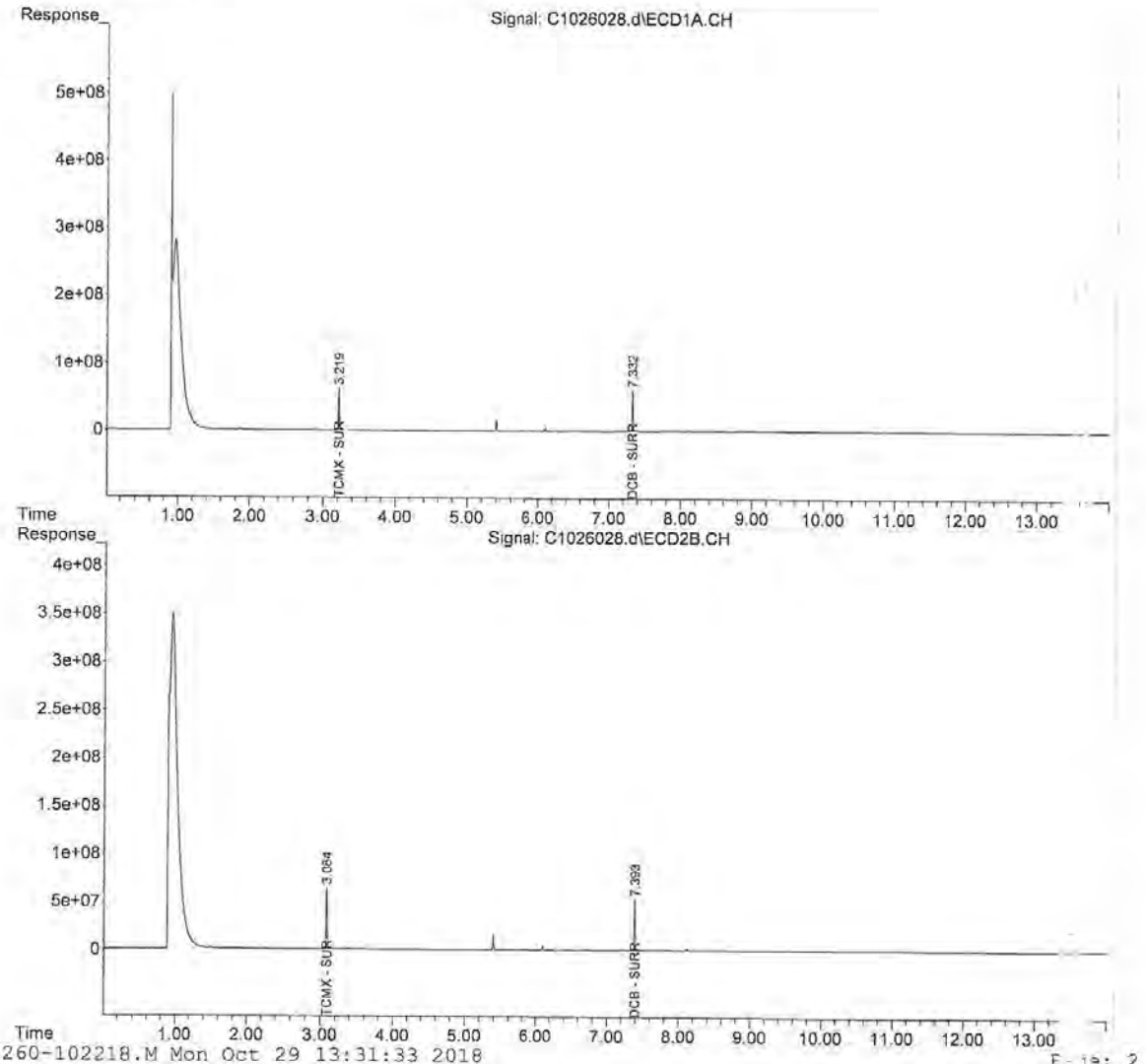
3-1260-102218.M Mon Oct 29 13:31:31 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026028.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 21:56 pm
Operator : JMB
Sample : 18J1227-15@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:50:21 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



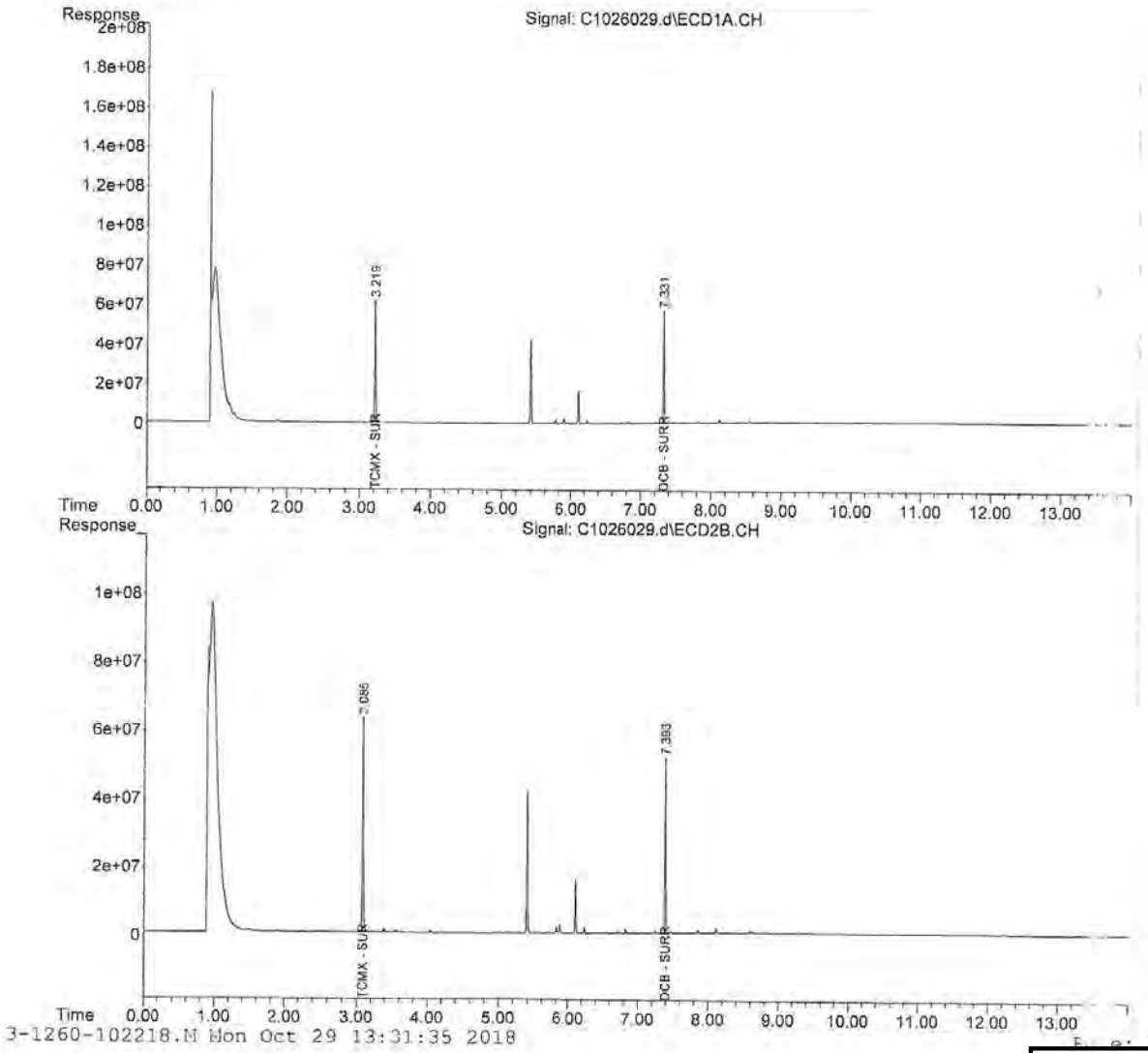
3-1260-102218.M Mon Oct 29 13:31:33 2018 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026029.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 22:14 pm
Operator : JMB
Sample : 18J1227-16@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:50:38 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



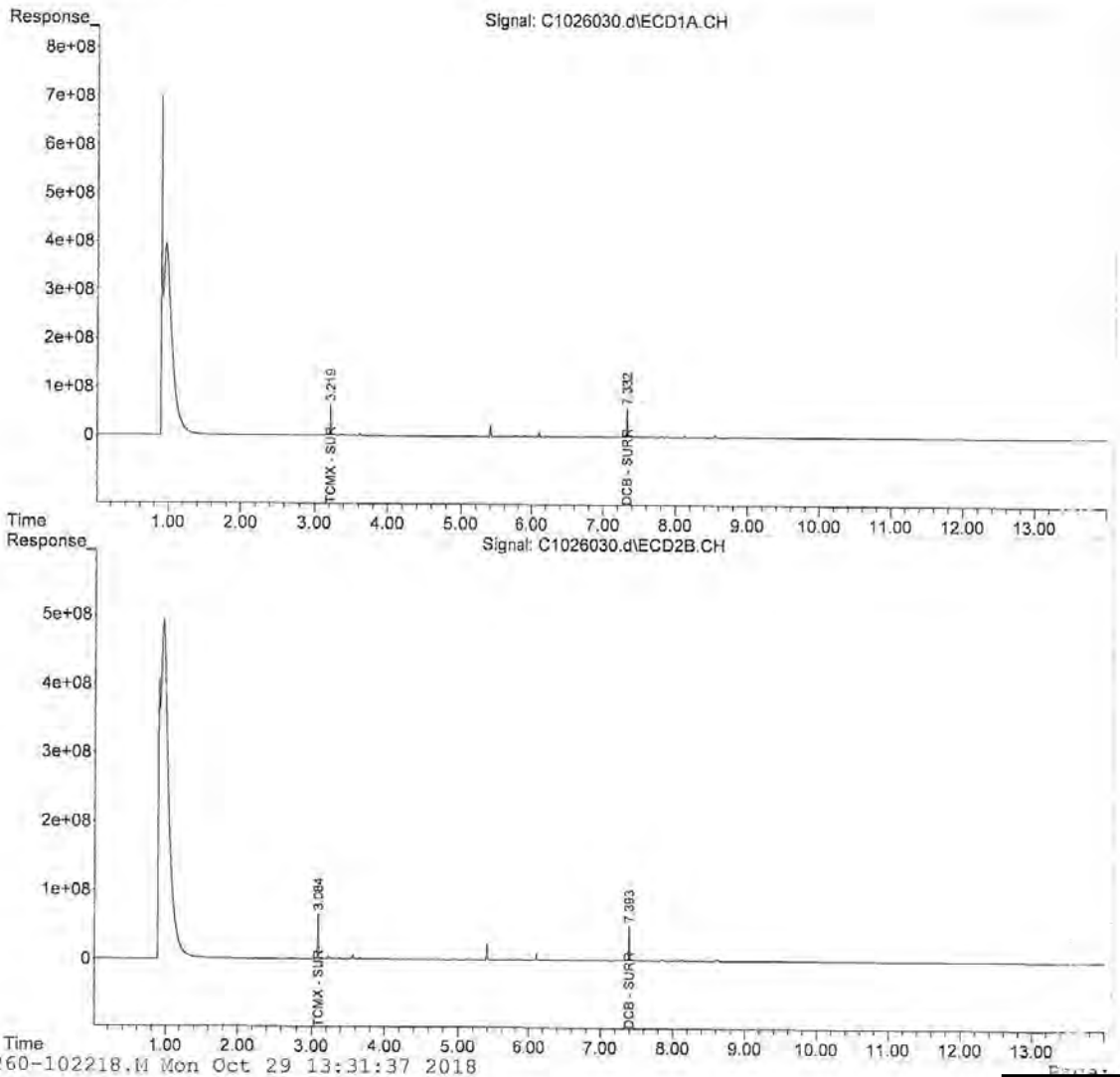
3-1260-102218.M Mon Oct 29 13:31:35 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026030.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 22:32 pm
Operator : JMB
Sample : 18J1227-17@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:51:18 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



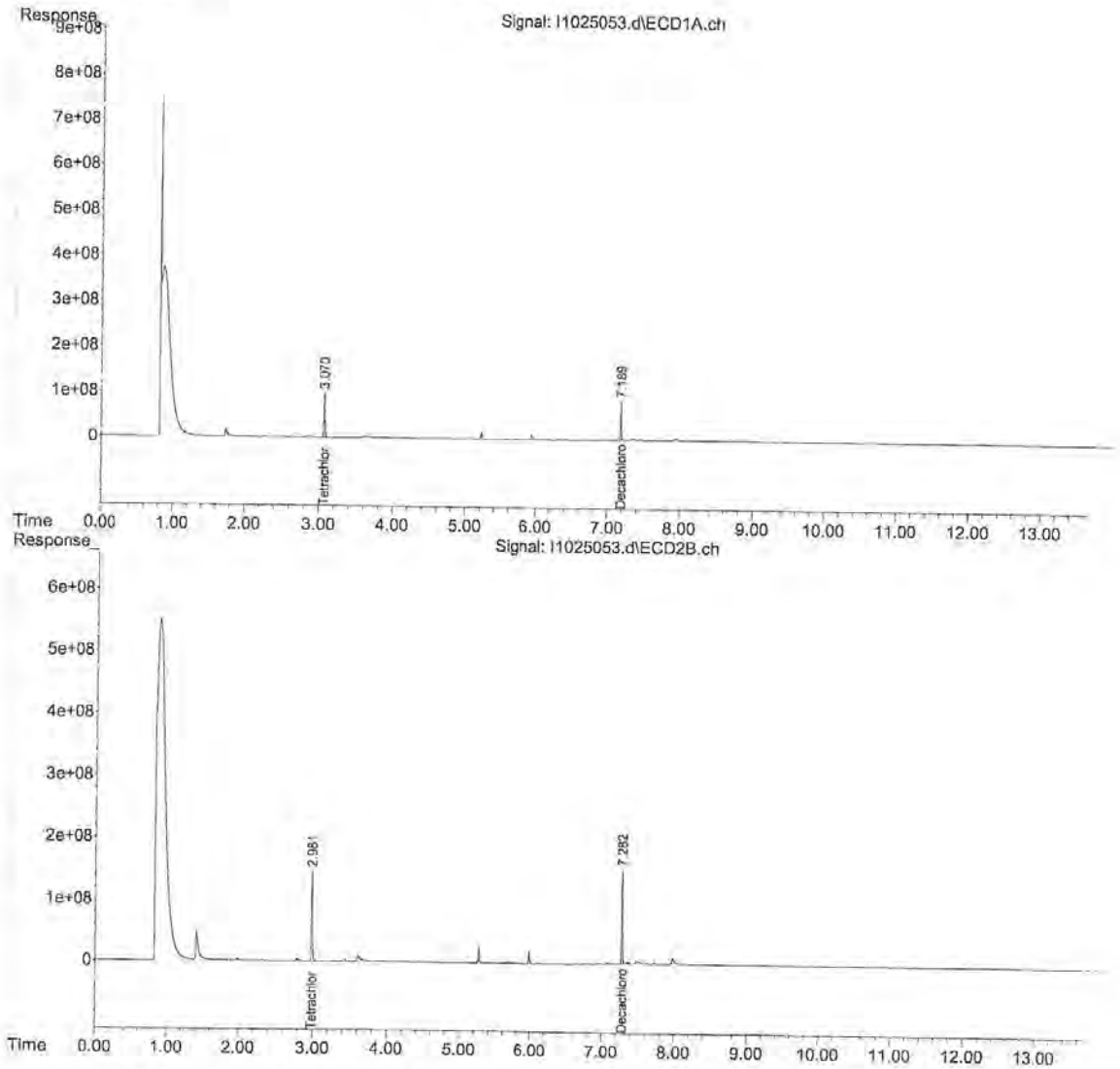
3-1260-102218.M Mon Oct 29 13:31:37 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102518\
Data File : I1025053.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2018 8:41 pm
Operator : JMB
Sample : 18J1227-18@4X TBA Inst : ECD 9
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Oct 26 12:38:46 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-101618.M
Quant Title : 1260/1016 10/01/18 09/07/18 ICAL 1800321
QLast Update : Tue Oct 02 11:09:21 2018
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



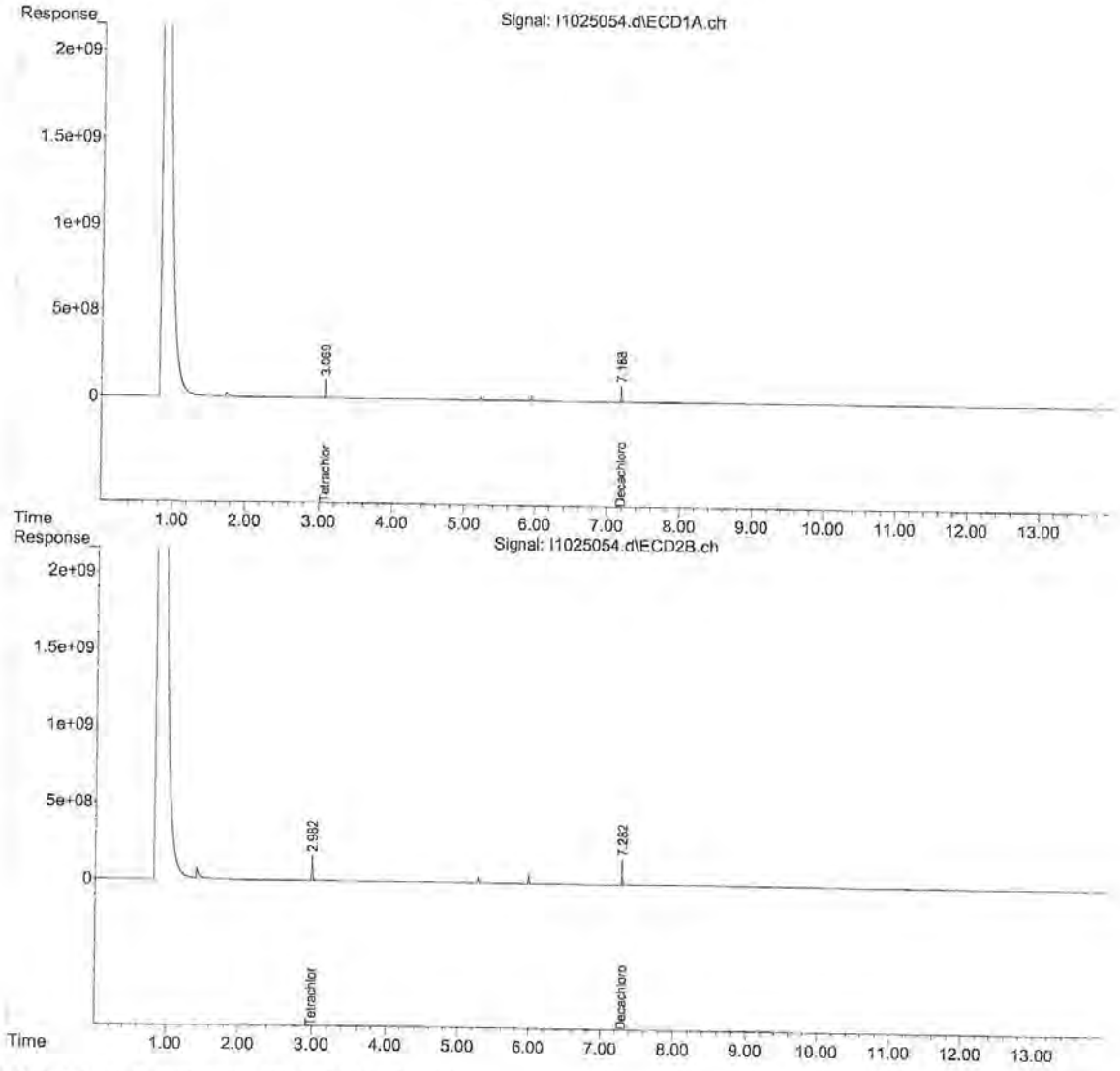
9-1260-101618.M Mon Oct 29 12:36:23 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102518\
Data File : I1025054.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2018 8:58 pm
Operator : JMB
Sample : 18J1227-19@4X TBA Inst : ECD 9
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Oct 26 12:39:21 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-101618.M
Quant Title : 1260/1016 10/01/18 09/07/18 ICAL 1800321
QLast Update : Tue Oct 02 11:09:21 2018
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



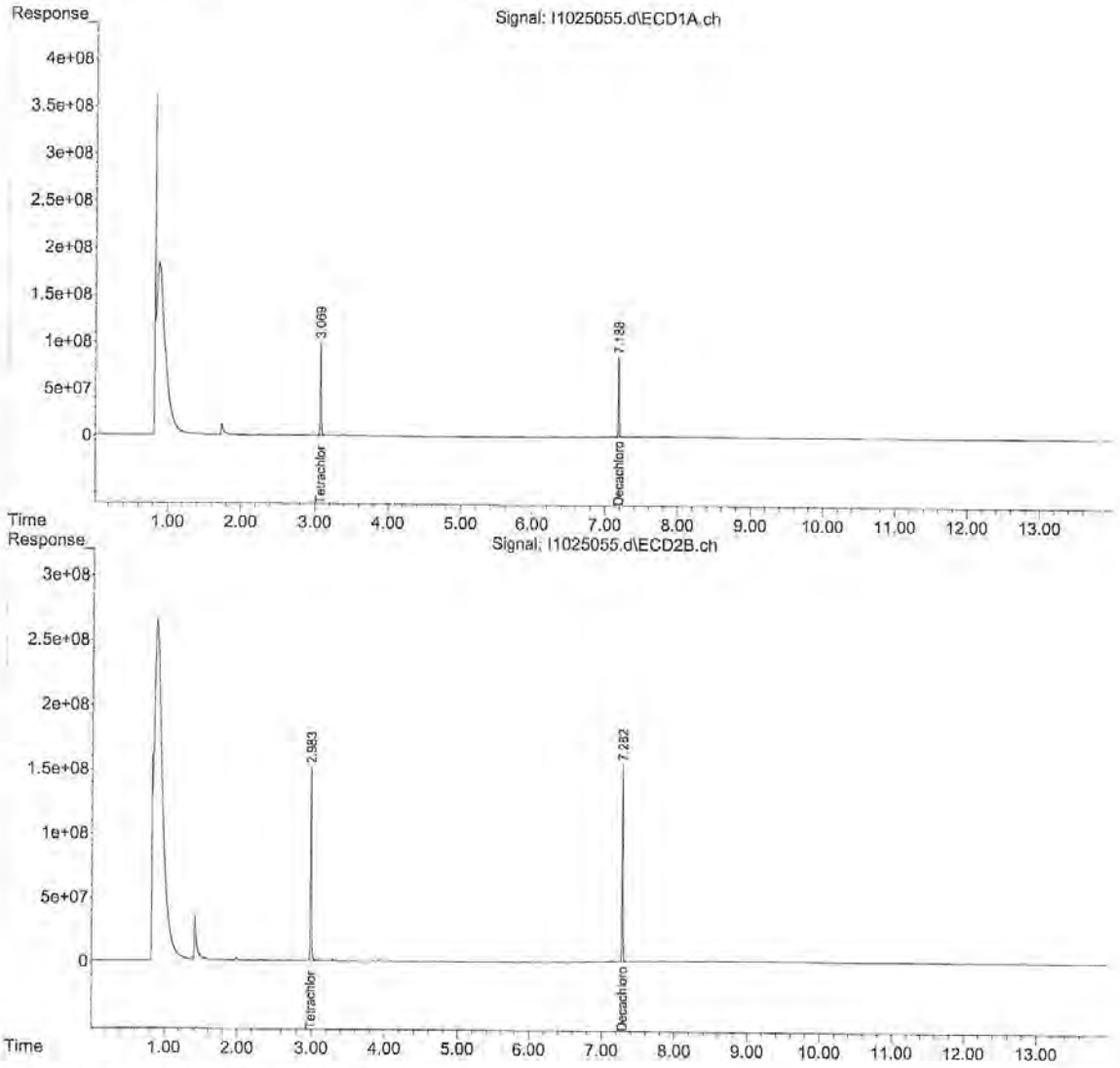
9-1260-101618.M Mon Oct 29 12:36:27 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102518\
Data File : I1025055.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2018 9:16 pm
Operator : JMB
Sample : 18J1227-20@4X TBA Inst : ECD 9
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Oct 26 12:39:57 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-101618.M
Quant Title : 1260/1016 10/01/18 09/07/18 ICAL 1800321
QLast Update : Tue Oct 02 11:09:21 2018
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



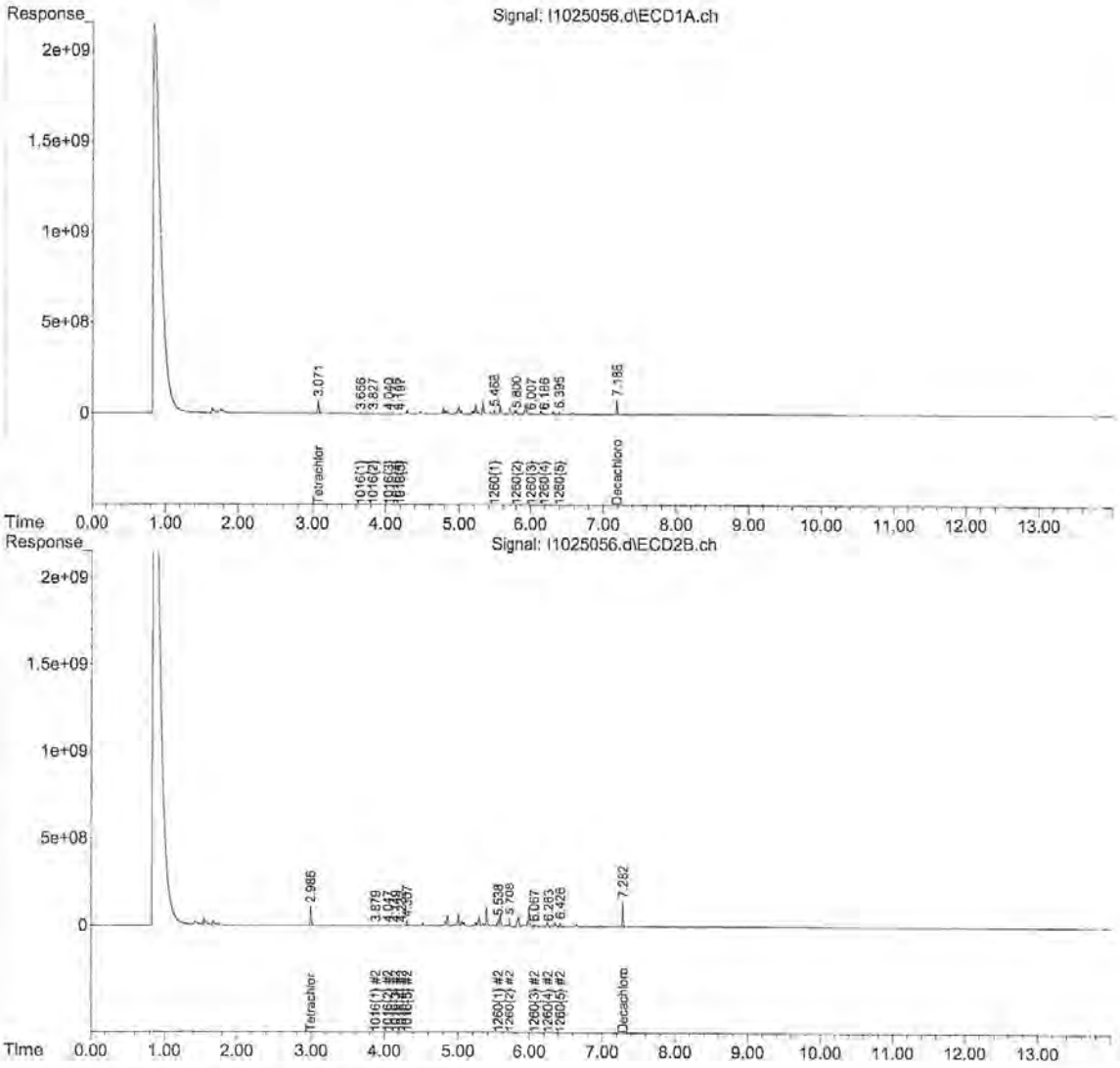
9-1260-101618.M Mon Oct 29 12:36:31 2018

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\102518\
Data File : I1025056.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2018 9:33 pm
Operator : JMB
Sample : 18J1227-21@4X TBA Inst : ECD 9
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Oct 26 05:47:11 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-101618.M
Quant Title : 1260/1016 10/01/18 09/07/18 ICAL 1800321
QLast Update : Tue Oct 02 11:09:21 2018
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



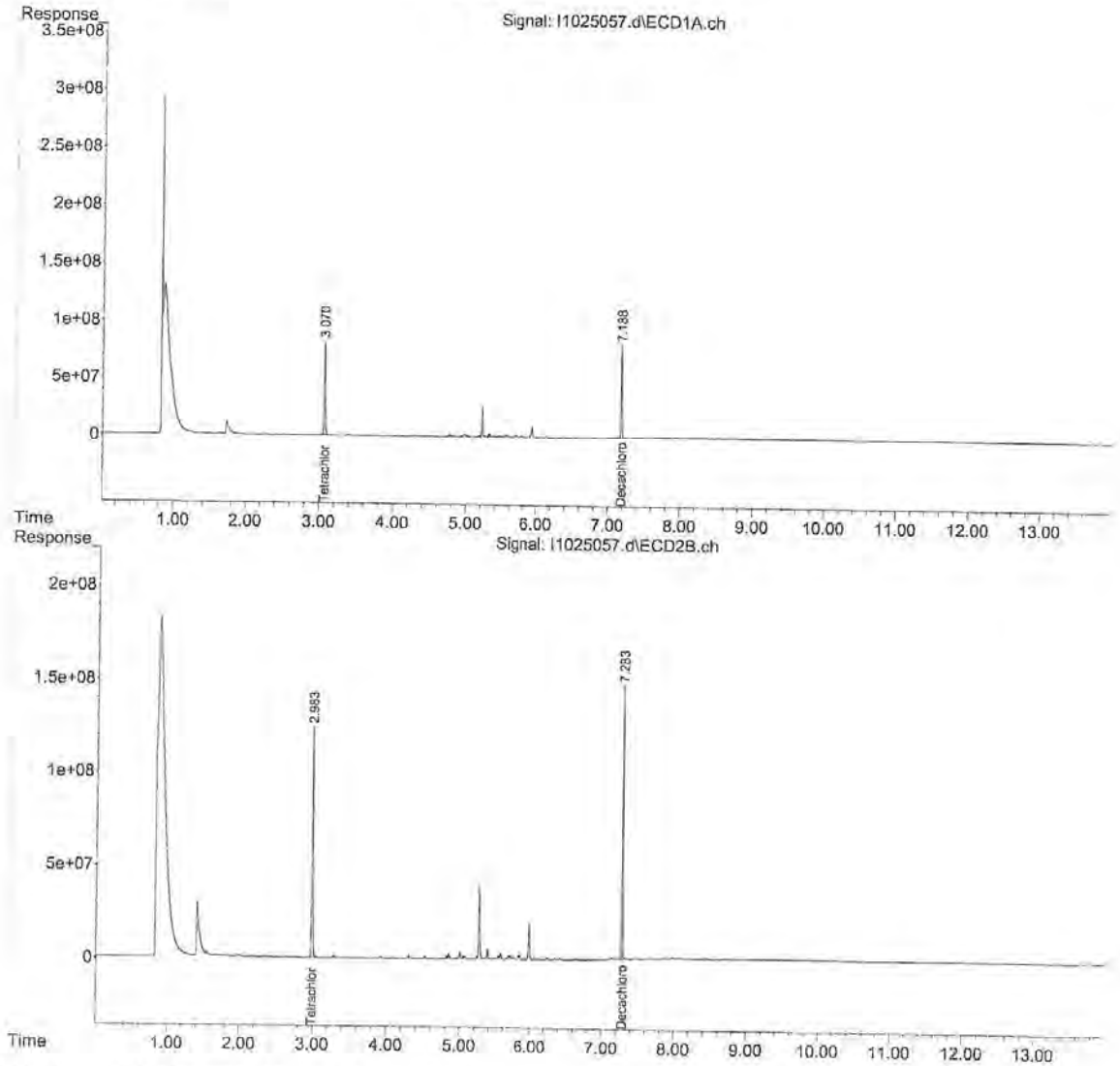
9-1260-101618.M Mon Oct 29 12:36:35 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102518\
Data File : I1025057.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2018 9:51 pm
Operator : JMB
Sample : 18J1227-22@4X TBA Inst : ECD 9
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Oct 26 12:43:46 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-101618.M
Quant Title : 1260/1016 10/01/18 09/07/18 ICAL 1800321
QLast Update : Tue Oct 02 11:09:21 2018
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



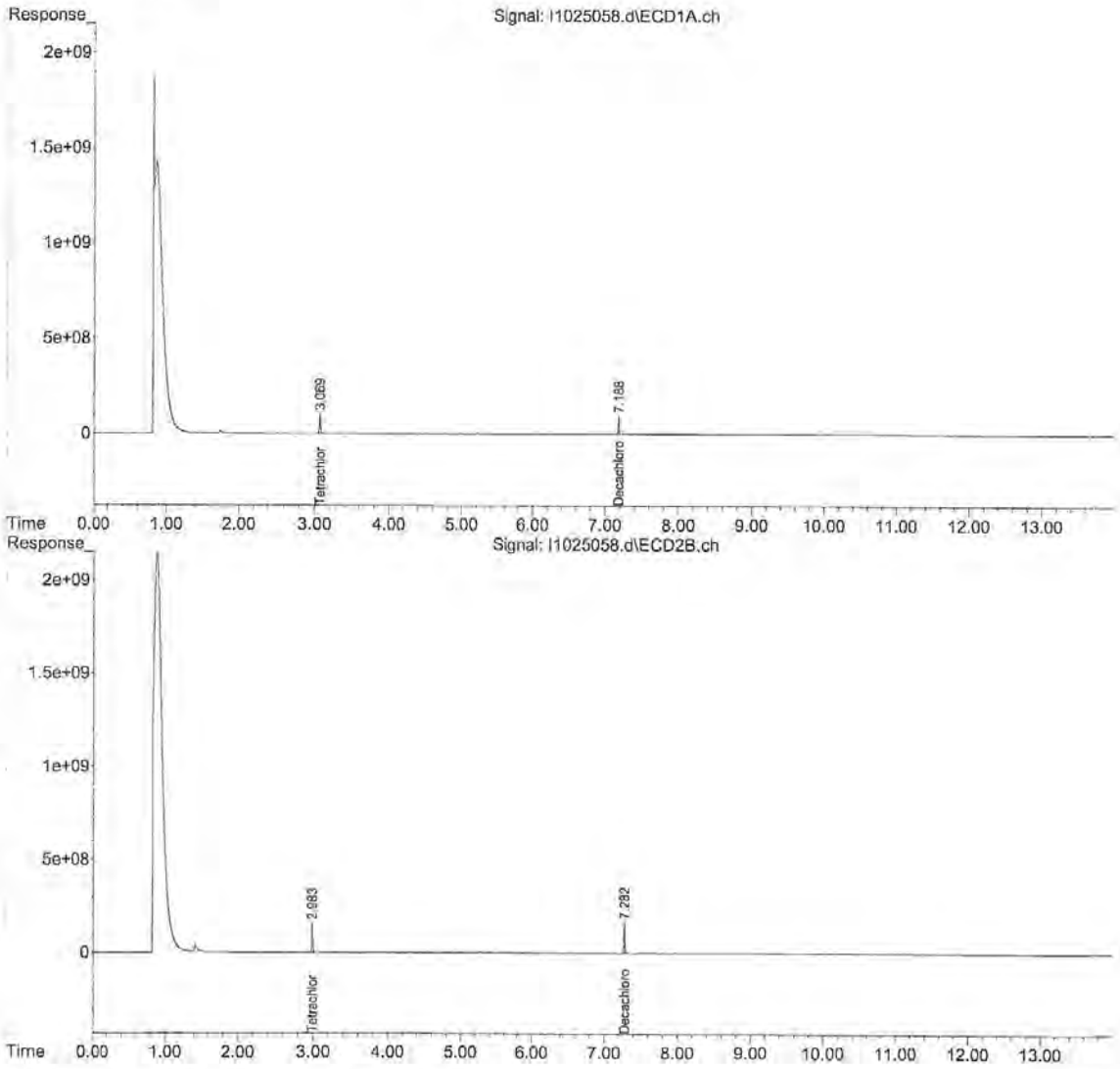
9-1260-101618.M Mon Oct 29 12:36:40 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102518\
Data File : I1025058.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2018 10:08 pm
Operator : JMB
Sample : 18J1227-23@4X TBA Inst : ECD 9
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Oct 26 12:48:47 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-101618.M
Quant Title : 1260/1016 10/01/18 09/07/18 ICAL 1800321
QLast Update : Tue Oct 02 11:09:21 2018
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



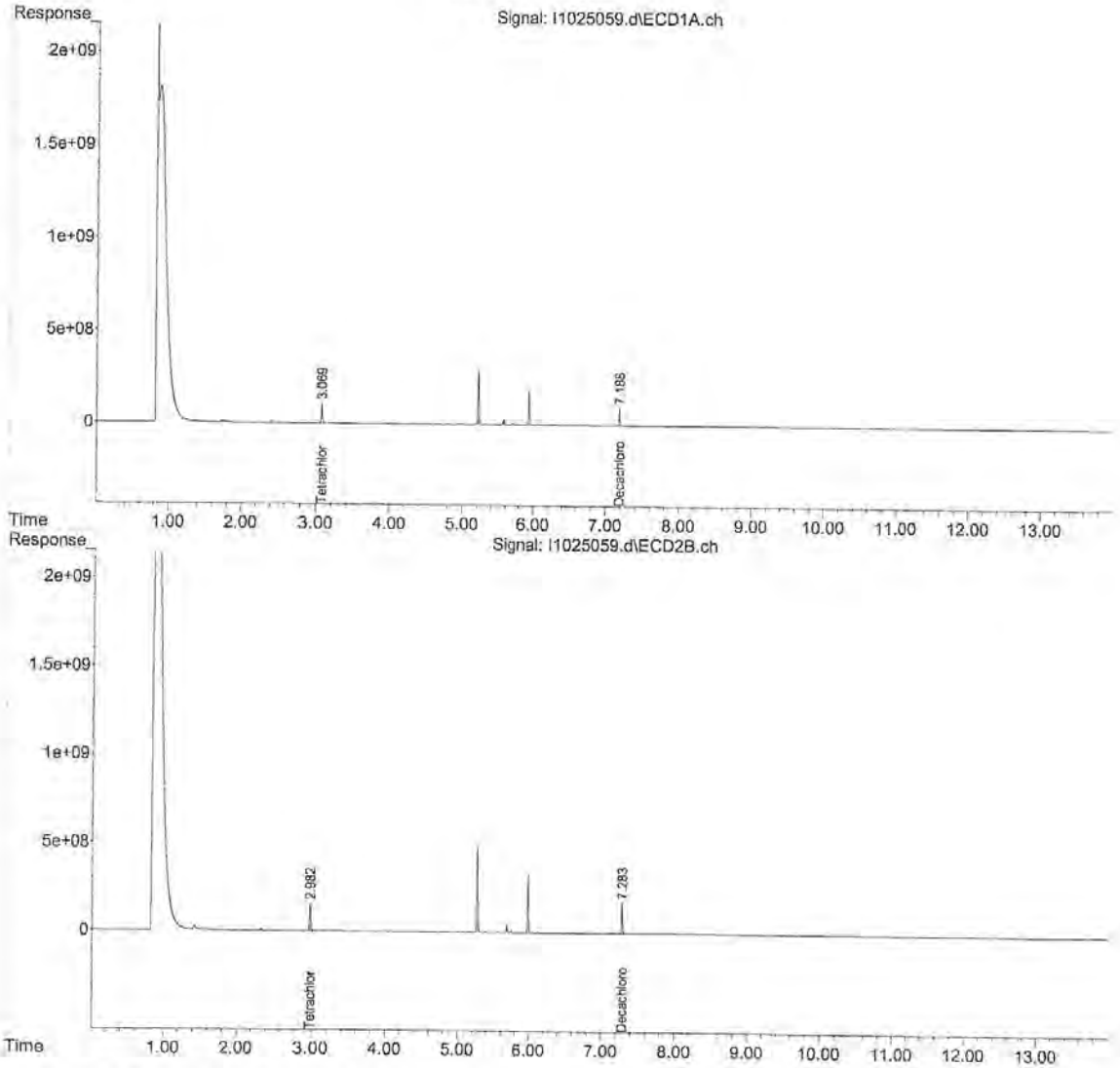
9-1260-101618.M Mon Oct 29 12:36:44 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102518\
Data File : I1025059.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2018 10:26 pm
Operator : JMB
Sample : 18J1227-24@4X TBA Inst : ECD 9
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Oct 26 12:51:05 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-101618.M
Quant Title : 1260/1016 10/01/18 09/07/18 ICAL 1800321
QLast Update : Tue Oct 02 11:09:21 2018
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



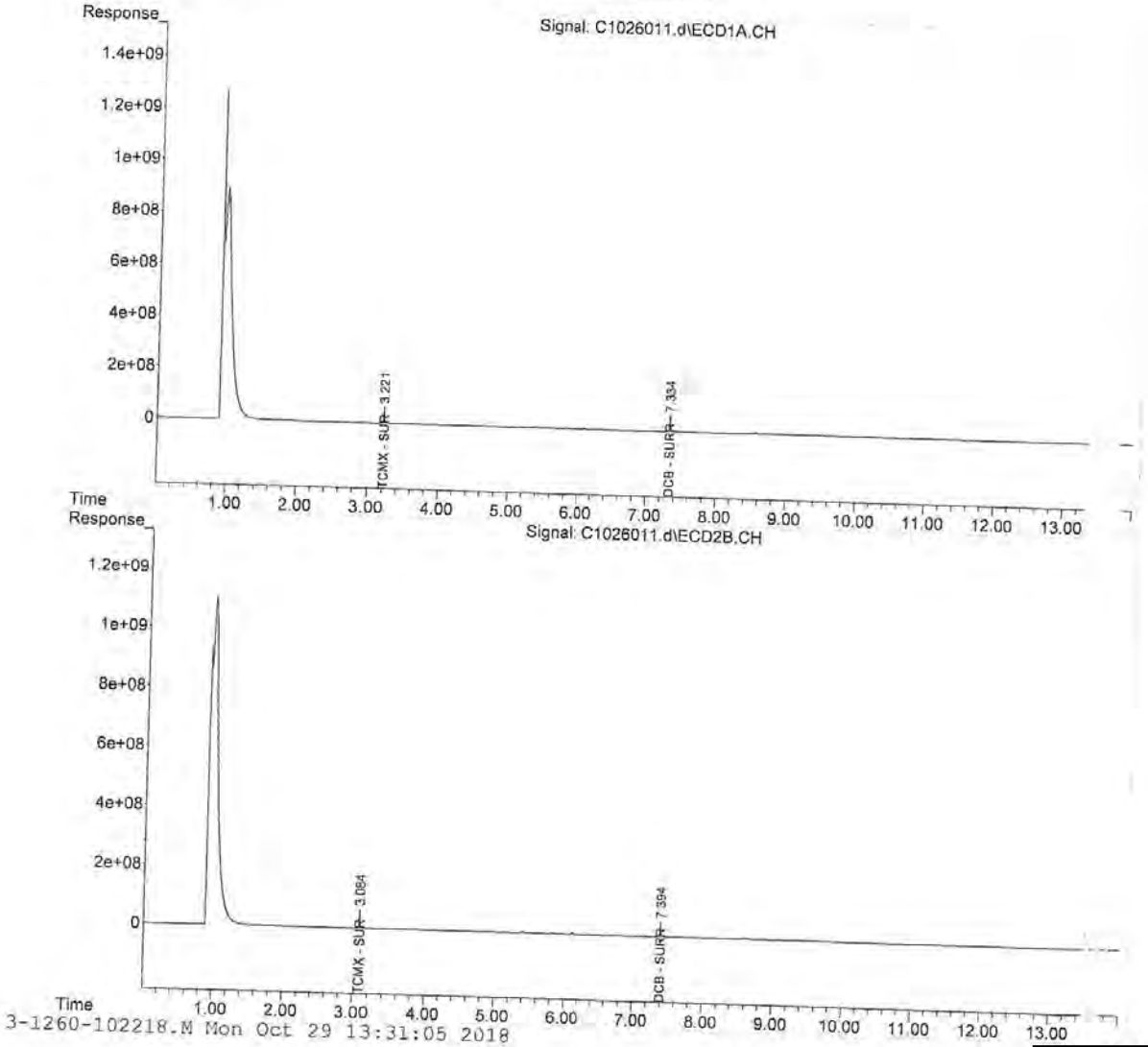
9-1260-101618.M Mon Oct 29 12:36:48 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026011.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 16:56 pm
Operator : JMB
Sample : 18J1227-01@4X TBA
Misc :
Inst : DUAL ECD3
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:21:02 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



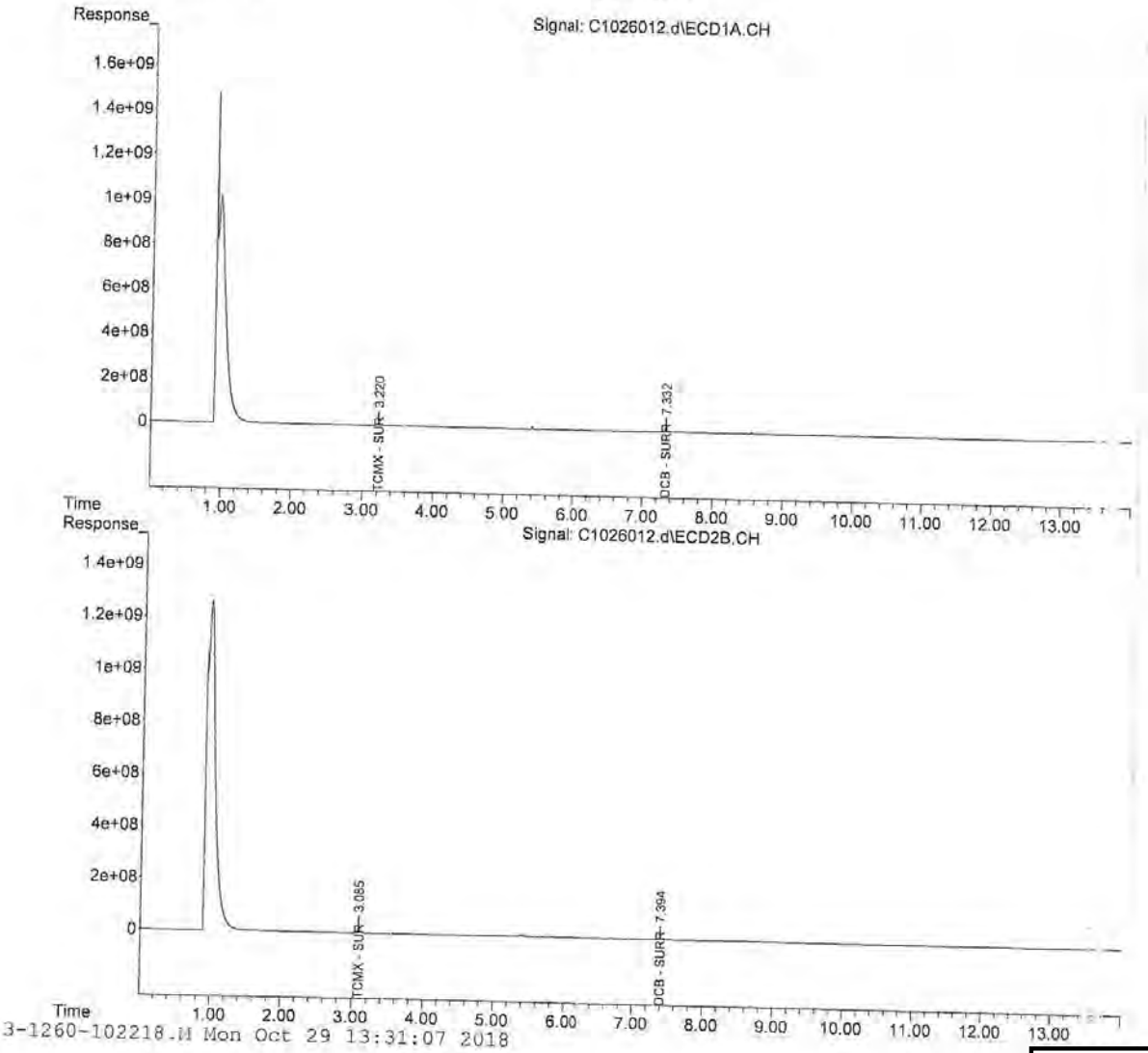
3-1260-102218.M Mon Oct 29 13:31:05 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026012.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 17:14 pm
Operator : JMB
Sample : 18J1227-02@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:23:18 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



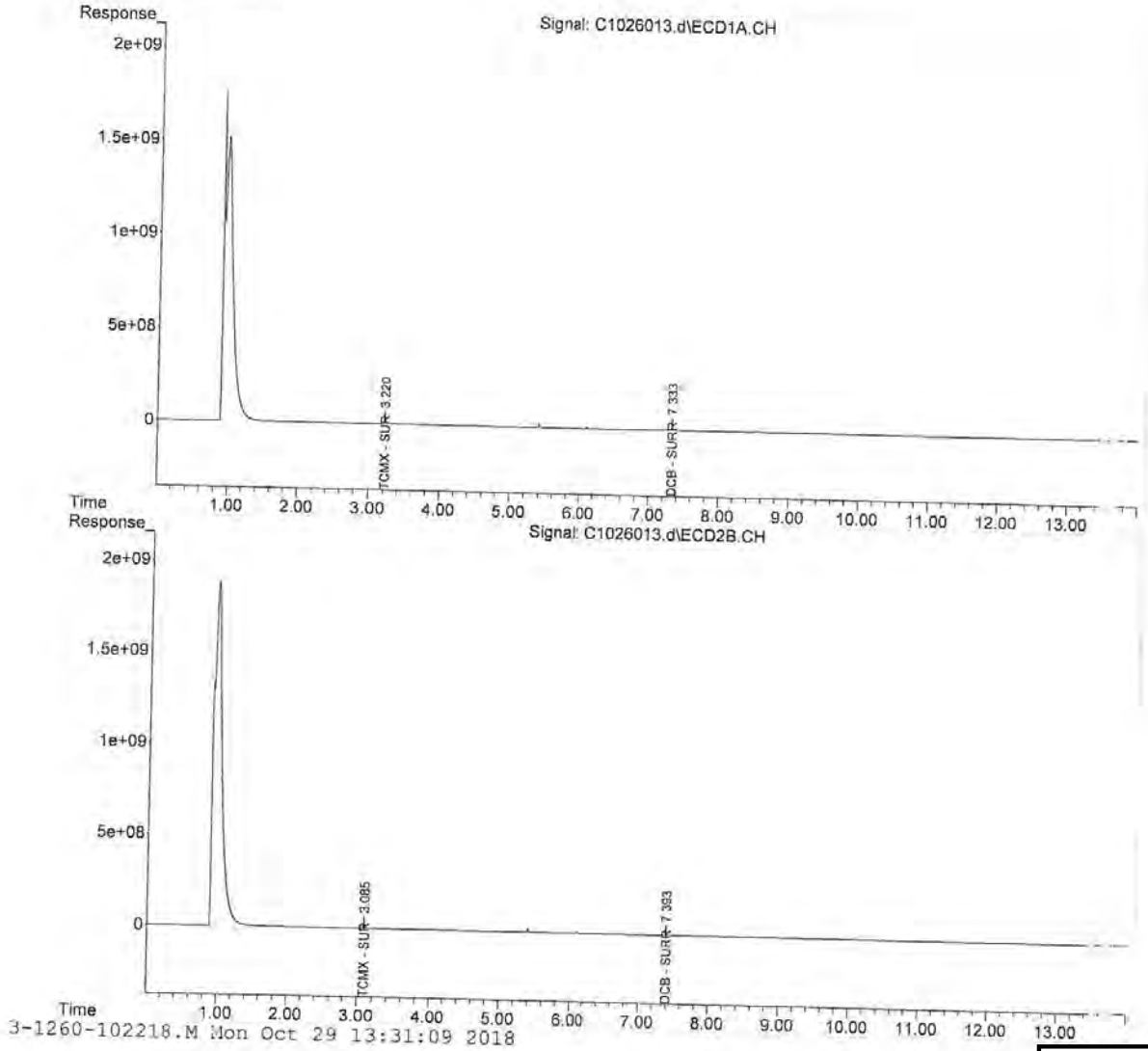
3-1260-102218.M Mon Oct 29 13:31:07 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026013.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 17:32 pm
Operator : JMB
Sample : 18J1227-03@4X TBA
Misc :
Inst : DUAL ECD3
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:27:20 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



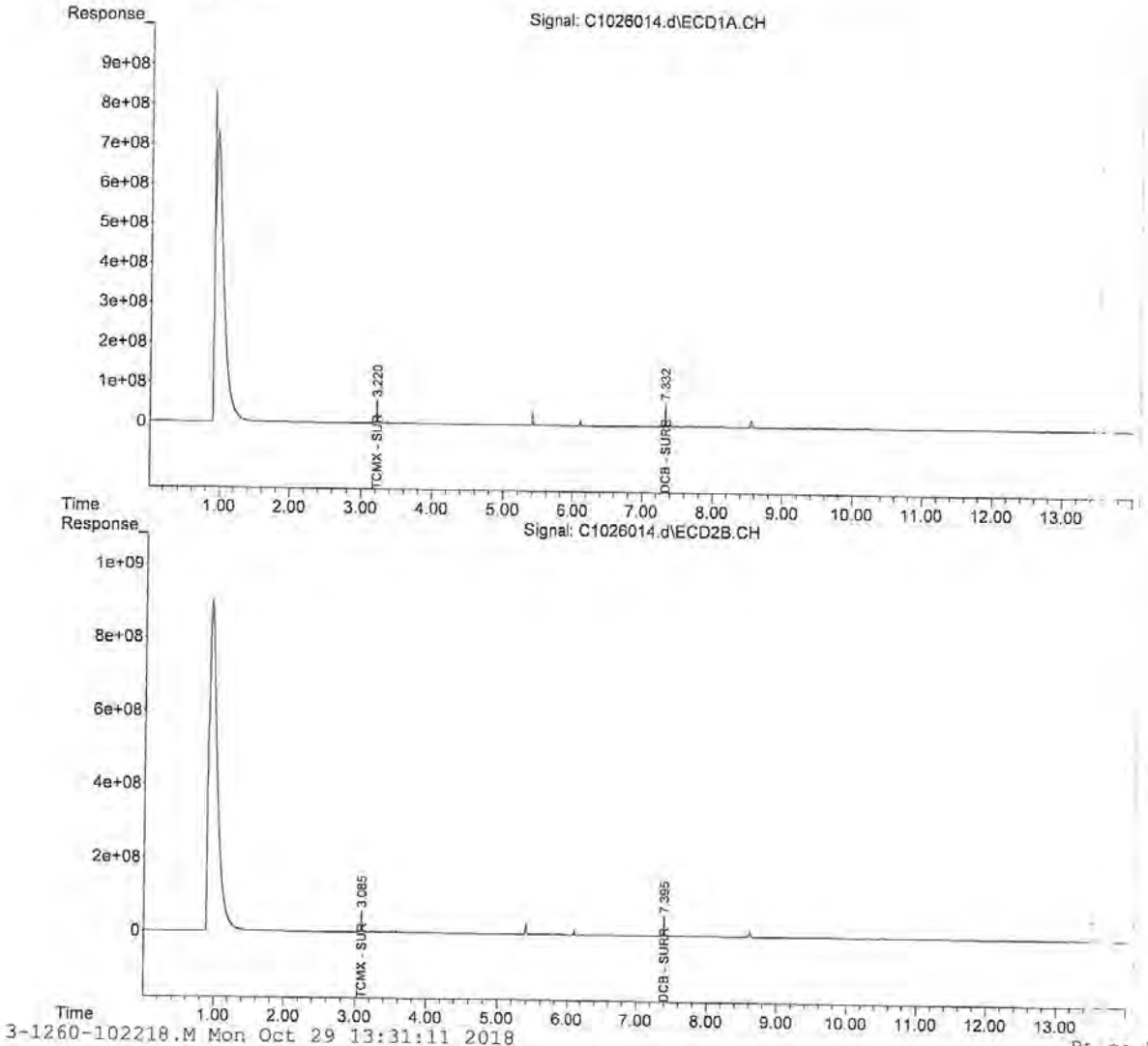
3-1260-102218.M Mon Oct 29 13:31:09 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026014.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 17:50 pm
Operator : JMB
Sample : 18J1227-04@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:29:13 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



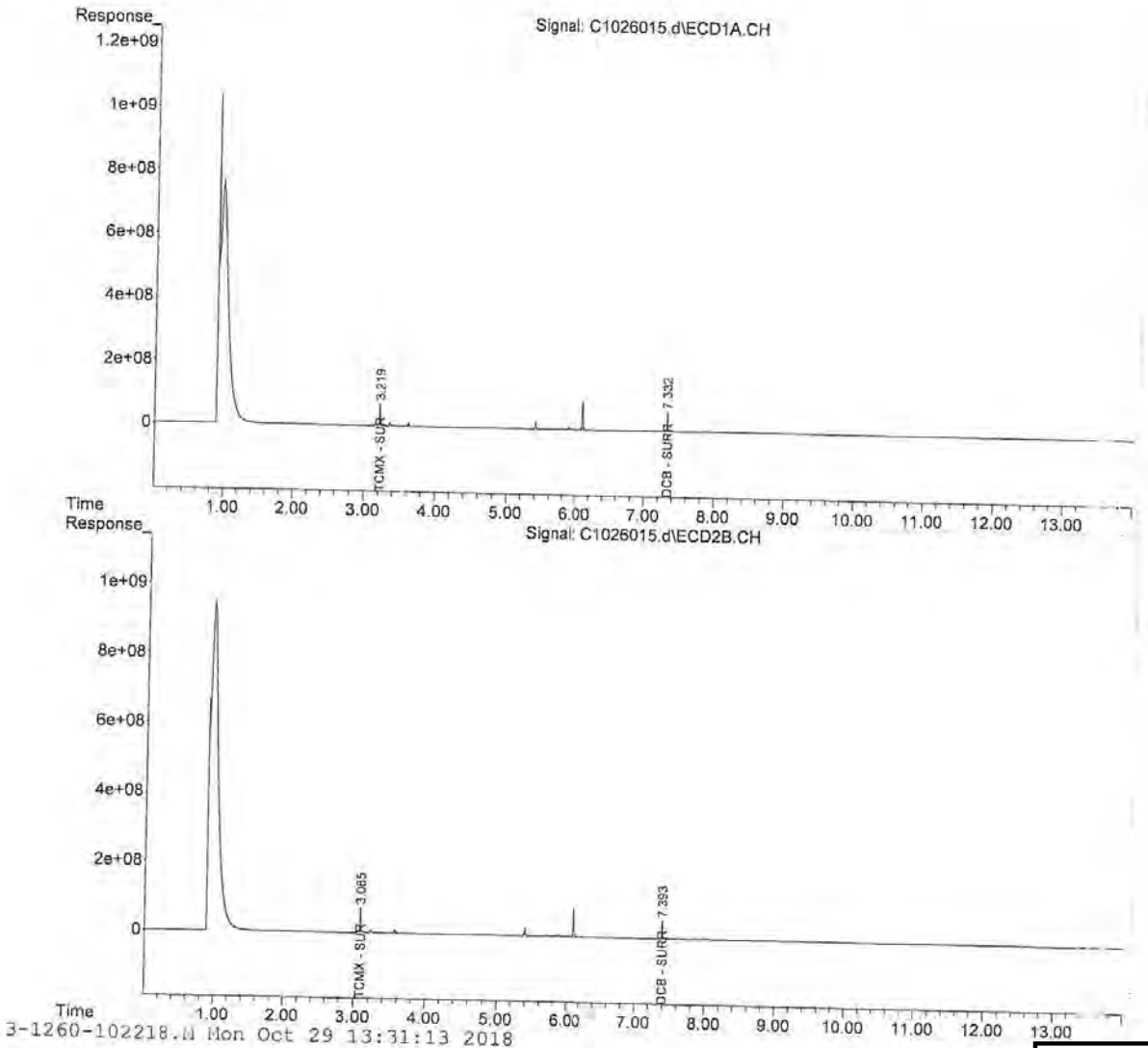
3-1260-102218.M Mon Oct 29 13:31:11 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026015.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 18:08 pm
Operator : JMB
Sample : 18J1227-05@4X TBA
Misc :
Inst : DUAL ECD3
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:30:45 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



3-1260-102218.M Mon Oct 29 13:31:13 2018

Quantitation Report (QT Reviewed)

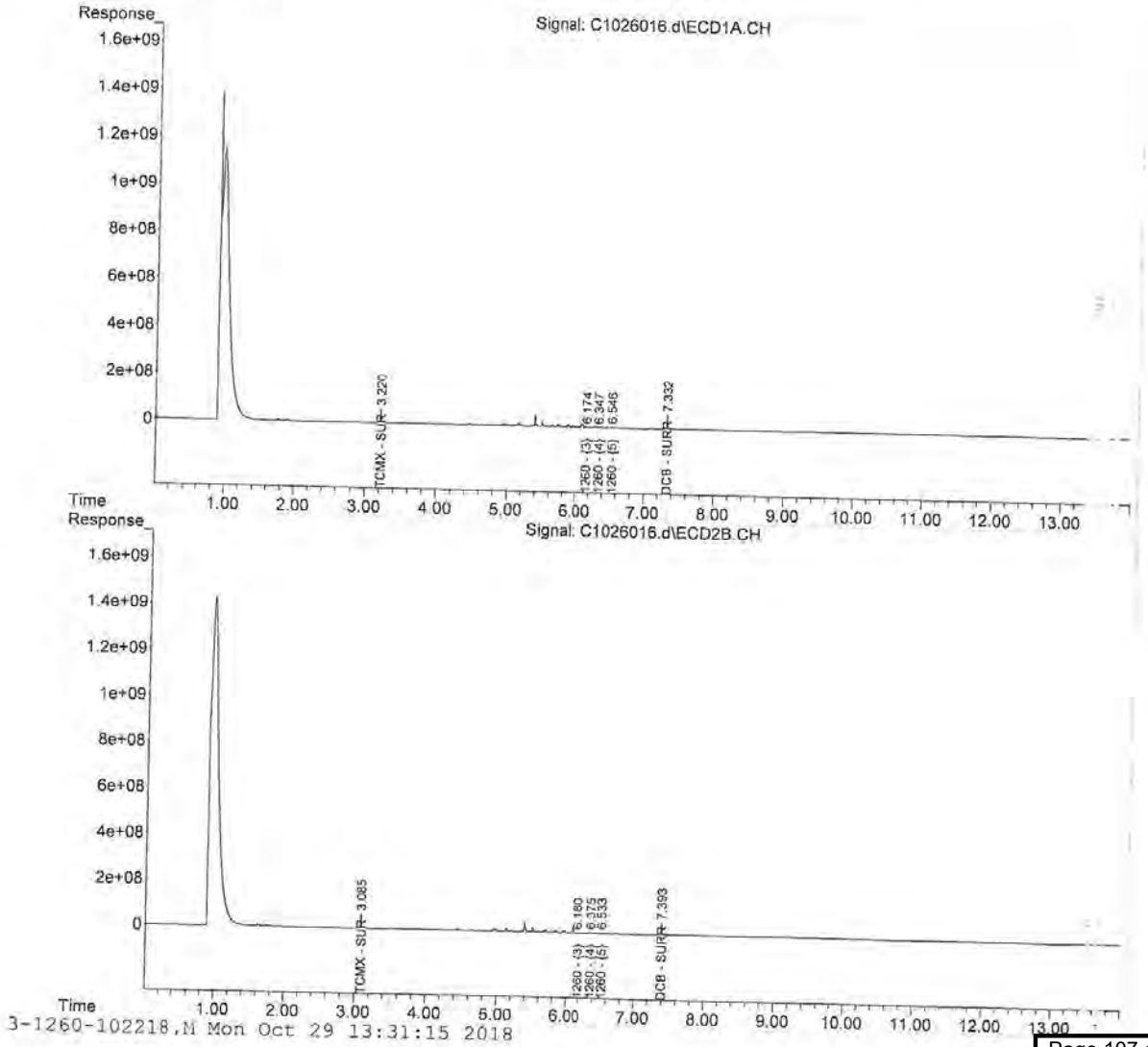
Data Path : C:\msdchem\1\data\102618\
Data File : C1026016.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 18:26 pm
Operator : JMB
Sample : 18J1227-06@4X TBA
Misc :
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Inst : DUAL ECD3

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:42:55 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :

Signal #2 Phase:
Signal #2 Info :



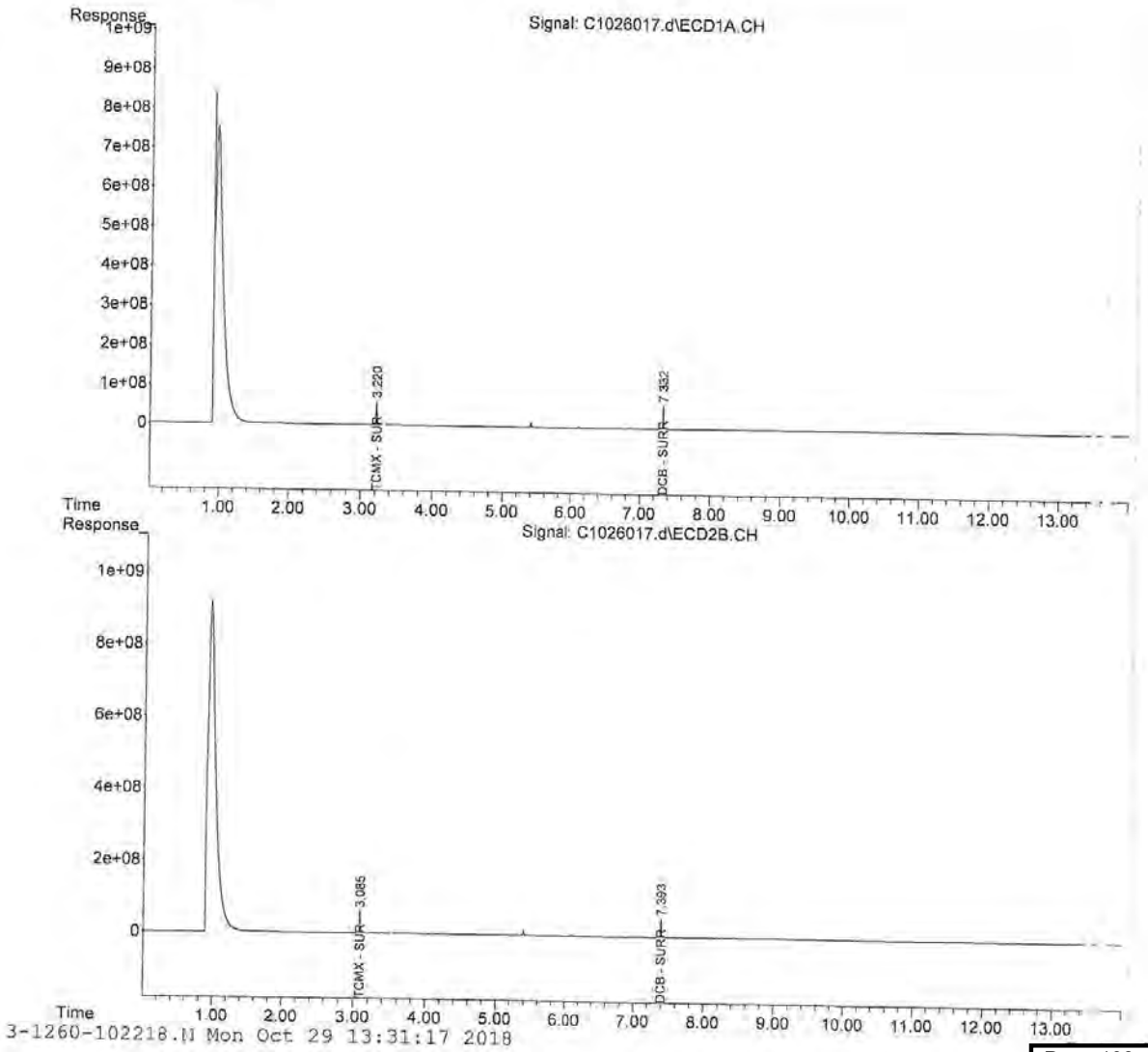
3-1260-102218.M Mon Oct 29 13:31:15 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026017.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 18:44 pm
Operator : JMB
Sample : 18J1227-07@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:44:43 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



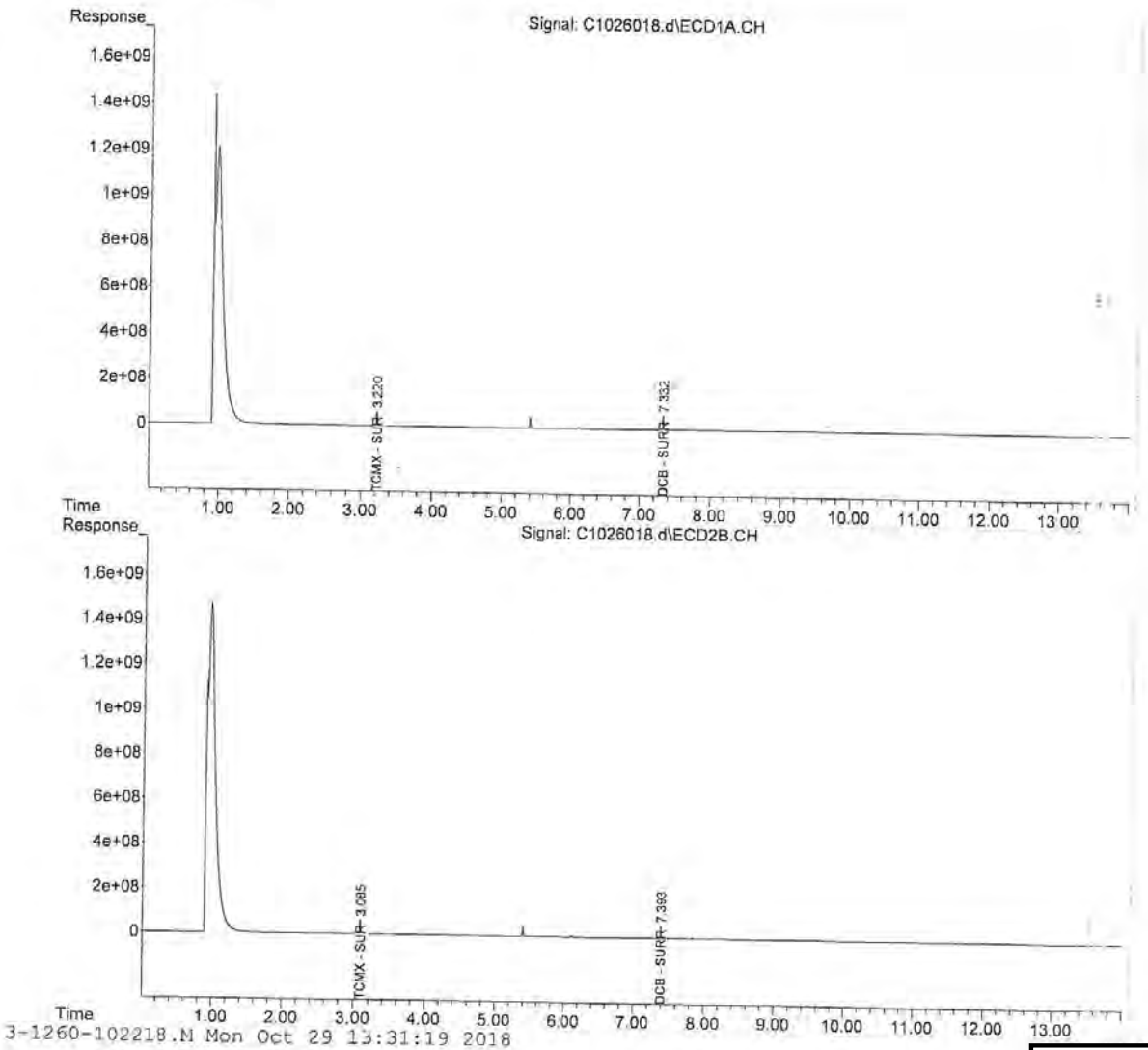
3-1260-102218.M Mon Oct 29 13:31:17 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026018.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 19:02 pm
Operator : JMB
Sample : 18J1227-08@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:45:16 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



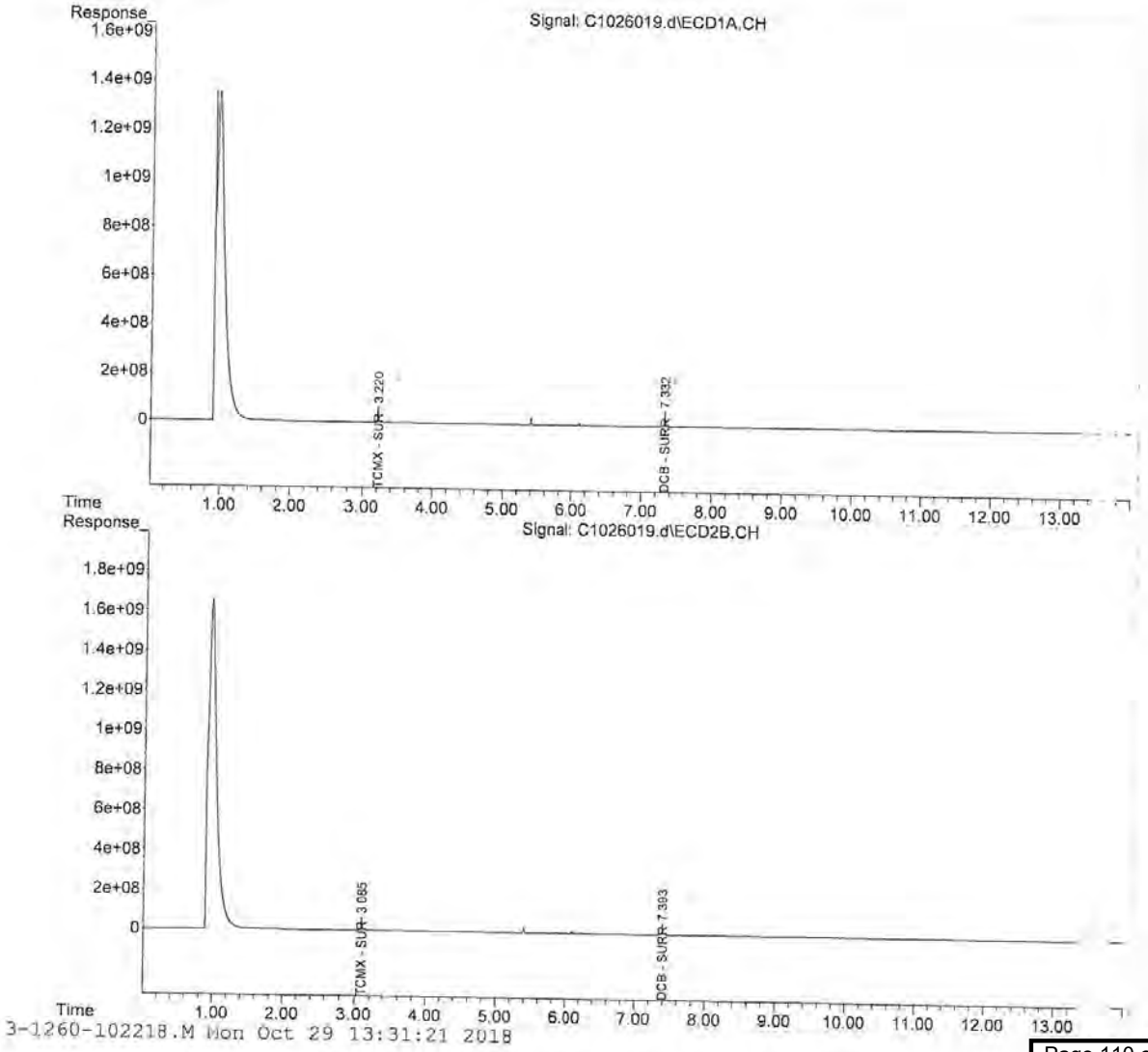
3-1260-102218.M Mon Oct 29 13:31:19 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026019.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 19:20 pm
Operator : JMB
Sample : 18J1227-09@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:45:54 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



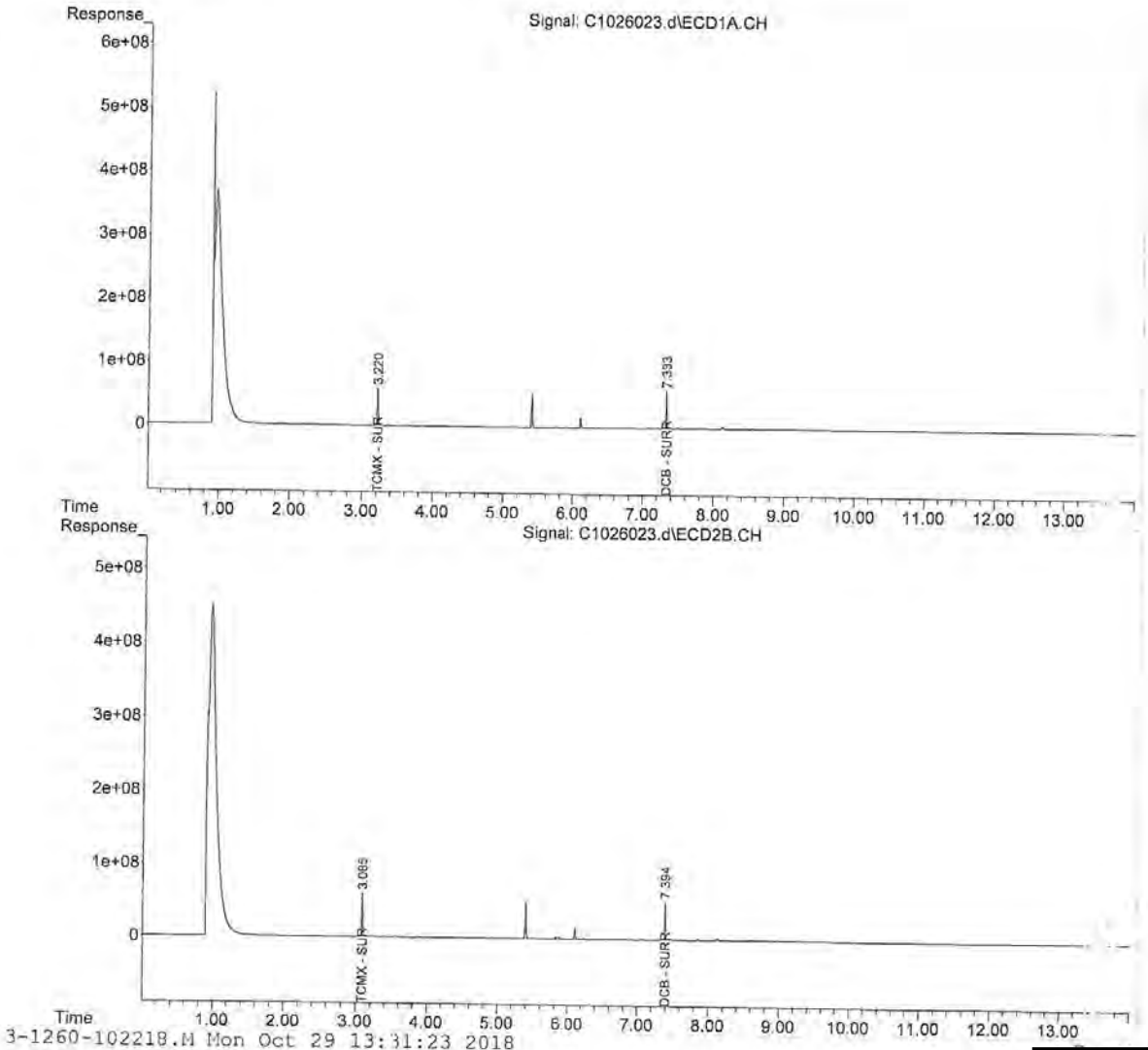
3-1260-102218.M Mon Oct 29 13:31:21 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026023.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 20:26 pm
Operator : JMB
Sample : 18J1227-10@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:48:15 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



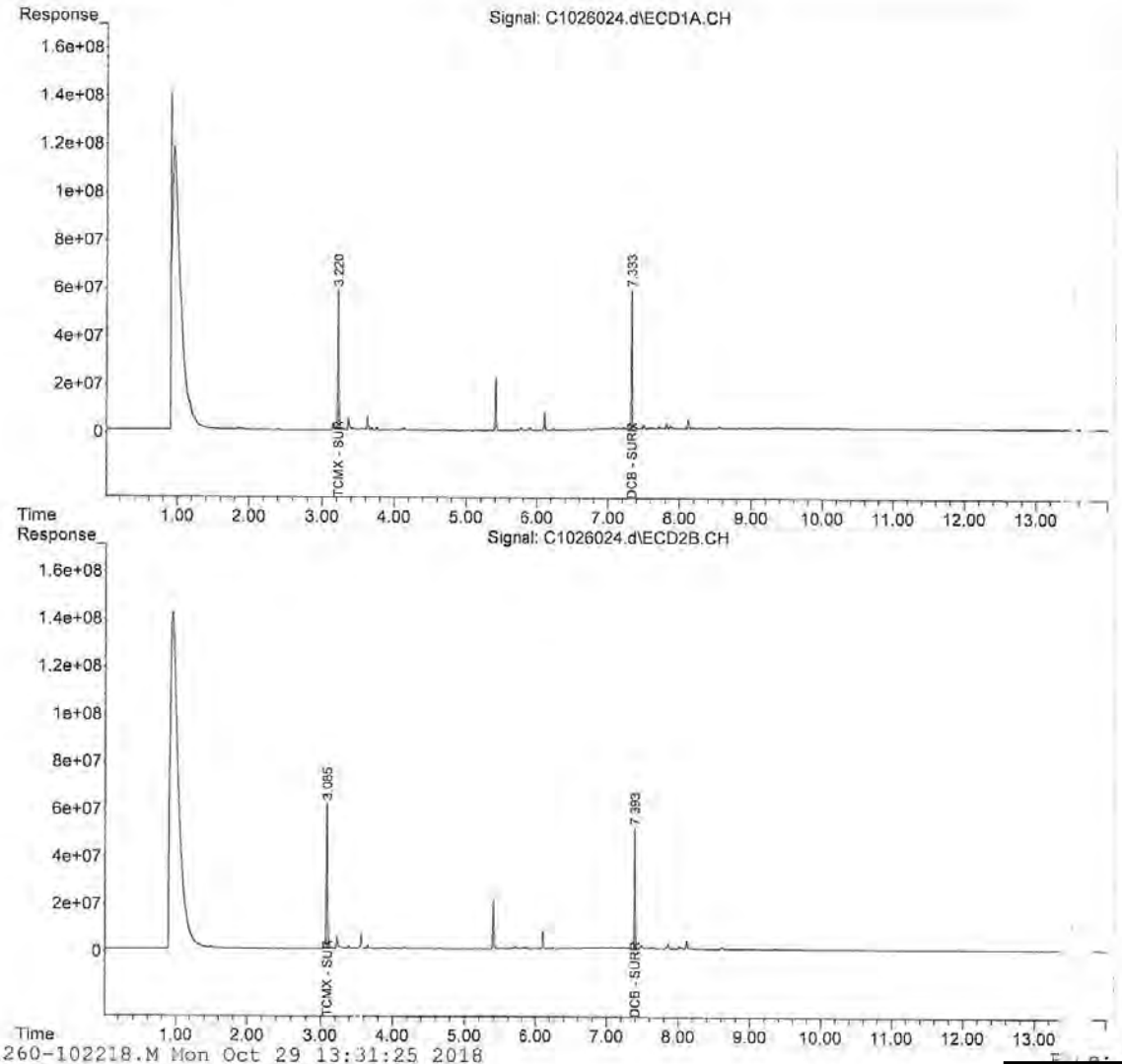
3-1260-102218.M Mon Oct 29 13:31:23 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026024.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 20:44 pm
Operator : JMB
Sample : 18J1227-11@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:48:39 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



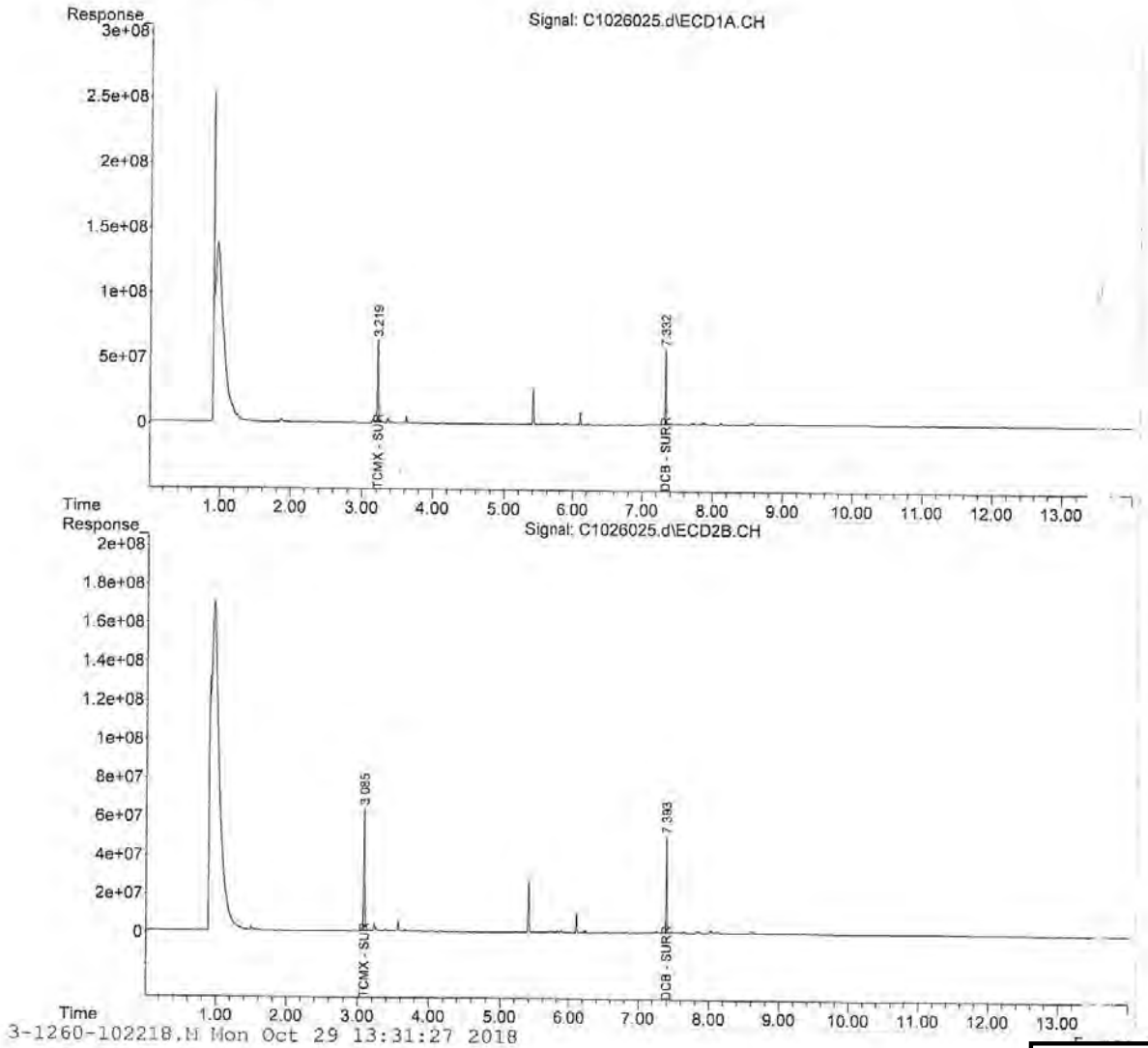
3-1260-102218.M Mon Oct 29 13:31:25 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026025.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 21:02 pm
Operator : JMB
Sample : 18J1227-12@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:49:17 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



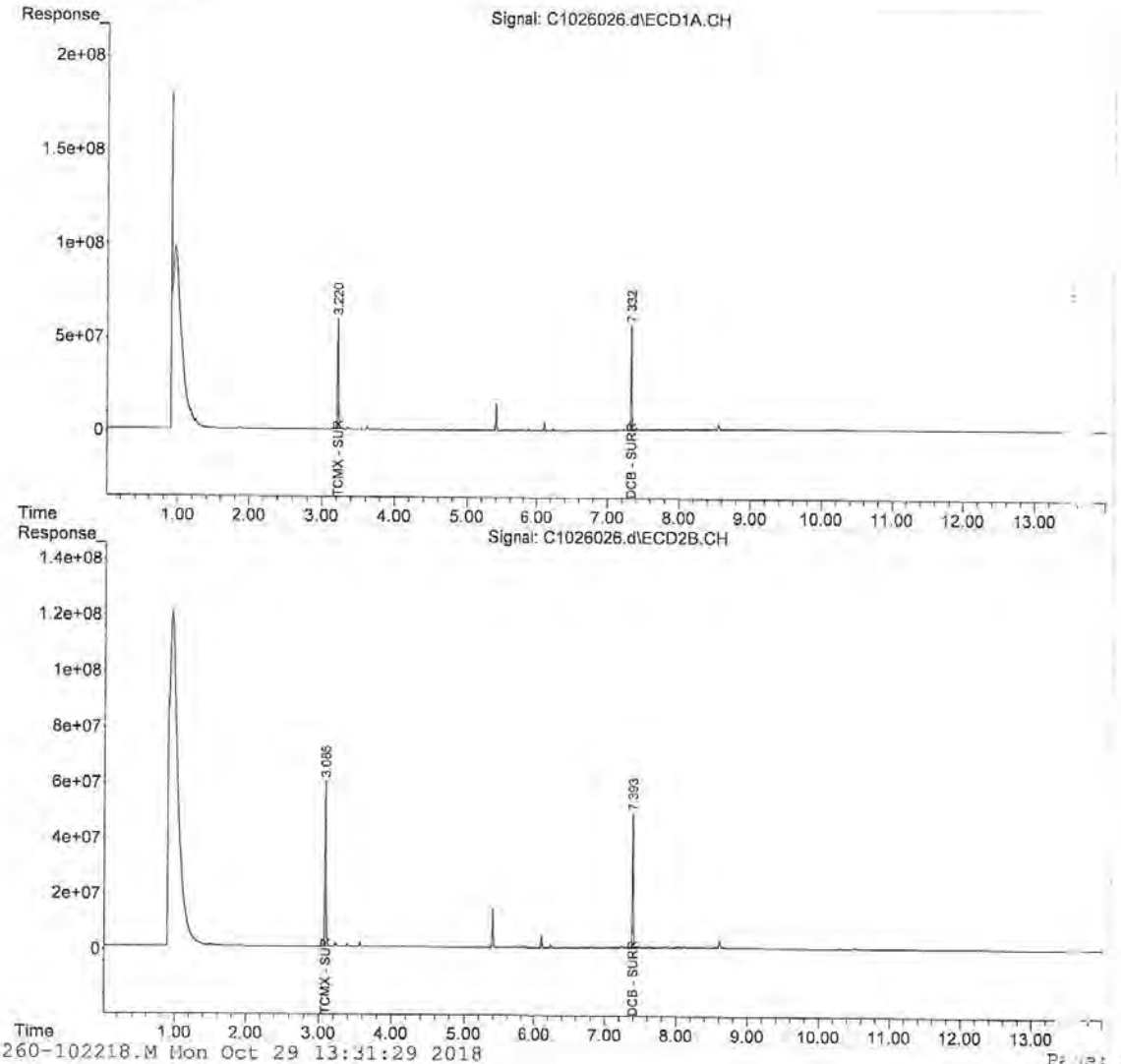
3-1260-102218.M Mon Oct 29 13:31:27 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026026.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 21:20 pm
Operator : JMB
Sample : 18J1227-13@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:49:32 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



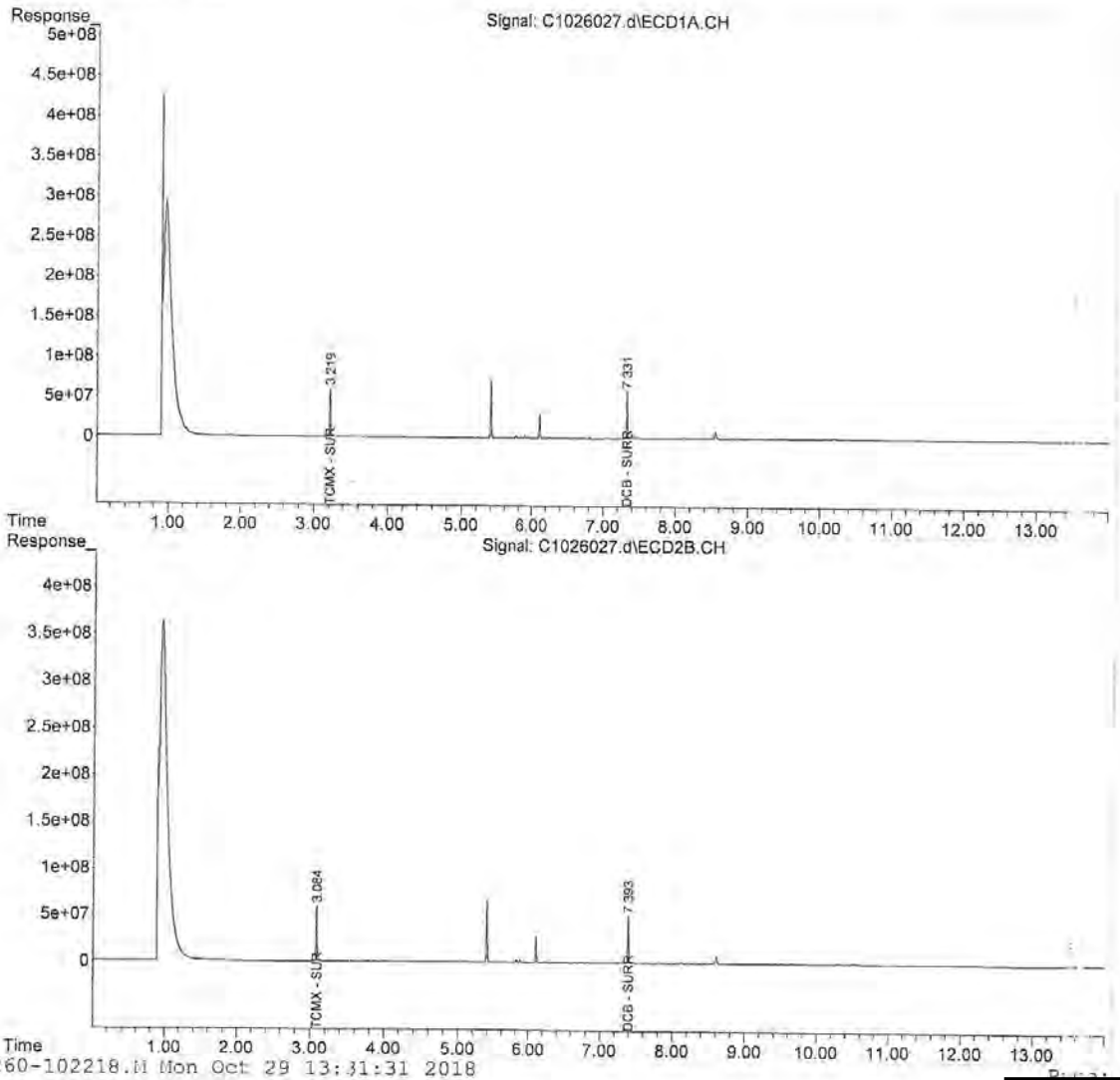
3-1260-102218.M Mon Oct 29 13:31:29 2018 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026027.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 21:38 pm
Operator : JNB
Sample : 18J1227-14@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:50:01 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



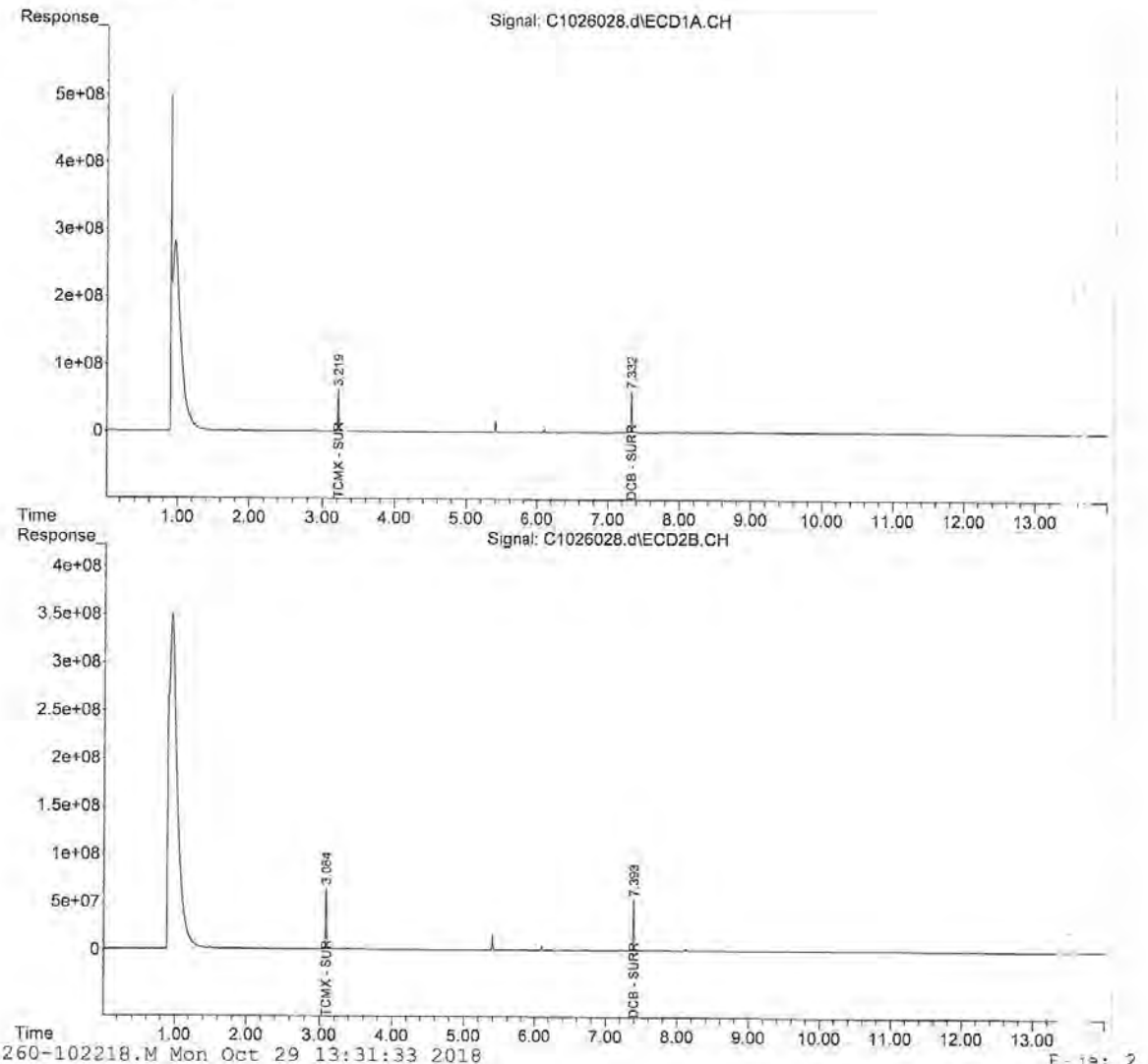
3-1260-102218.M Mon Oct 29 13:31:31 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026028.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 21:56 pm
Operator : JMB
Sample : 18J1227-15@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:50:21 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



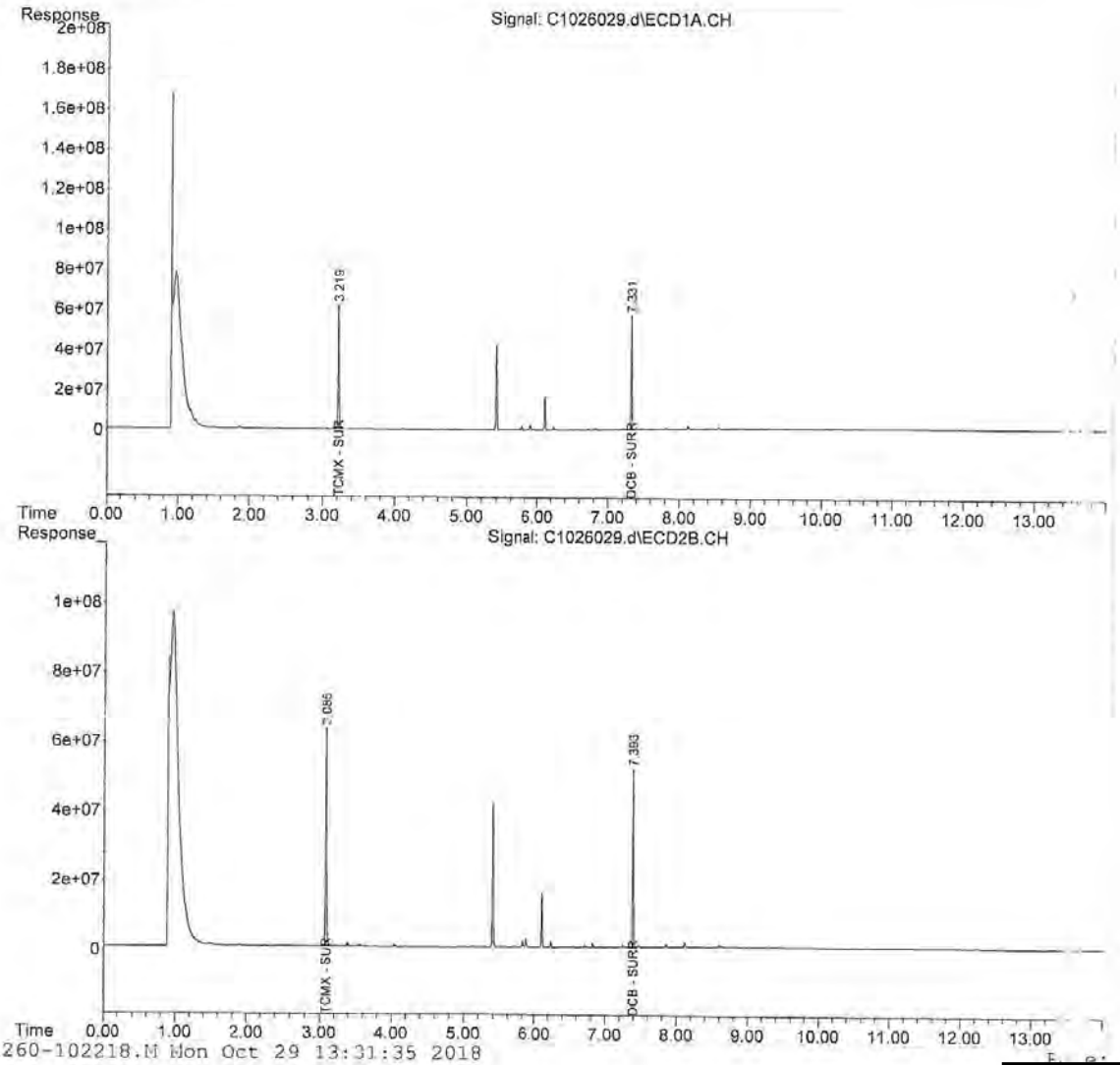
3-1260-102218.M Mon Oct 29 13:31:33 2018 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026029.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 22:14 pm
Operator : JMB
Sample : 18J1227-16@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:50:38 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



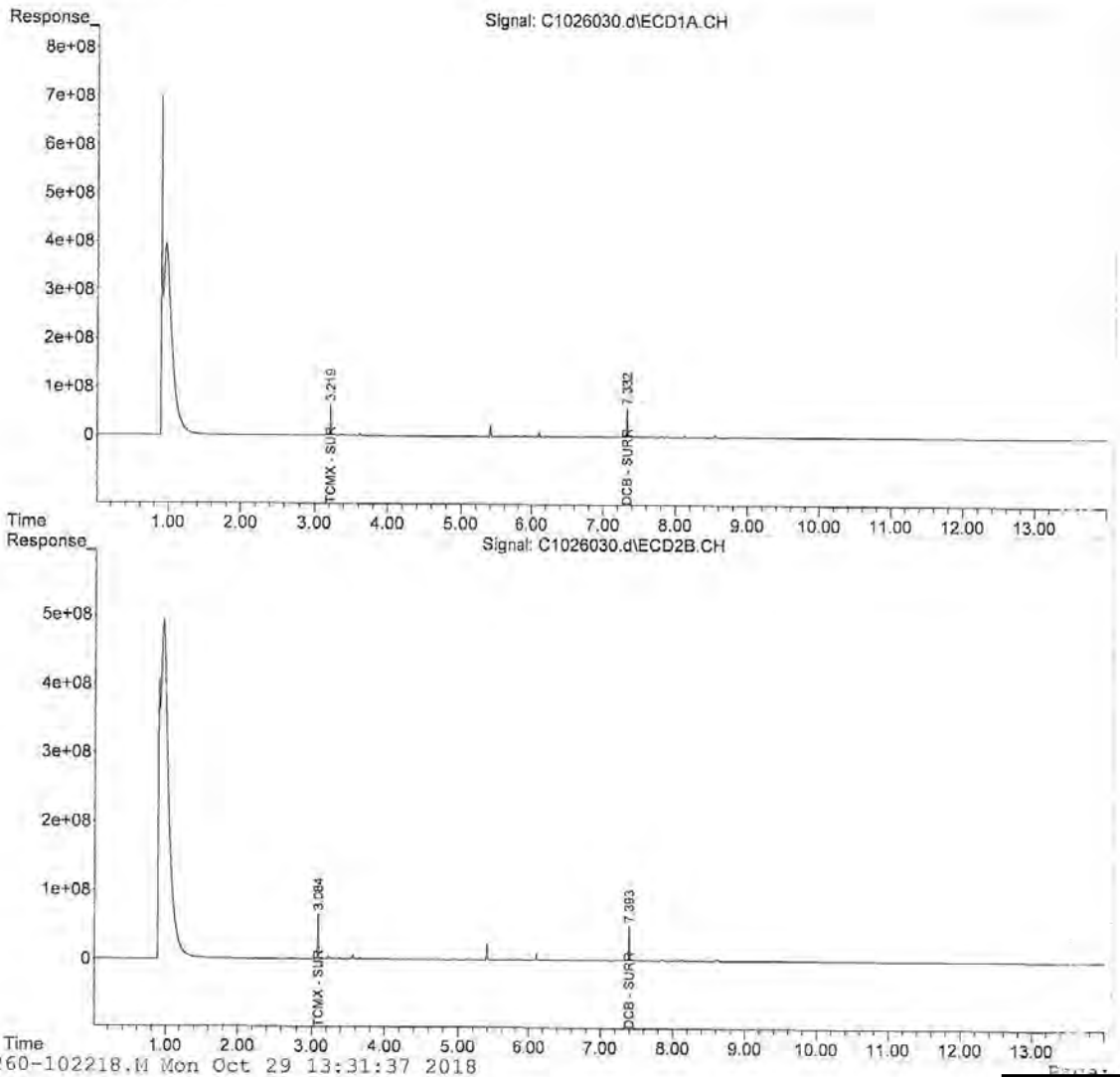
3-1260-102218.M Mon Oct 29 13:31:35 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026030.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 22:32 pm
Operator : JMB
Sample : 18J1227-17@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:51:18 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



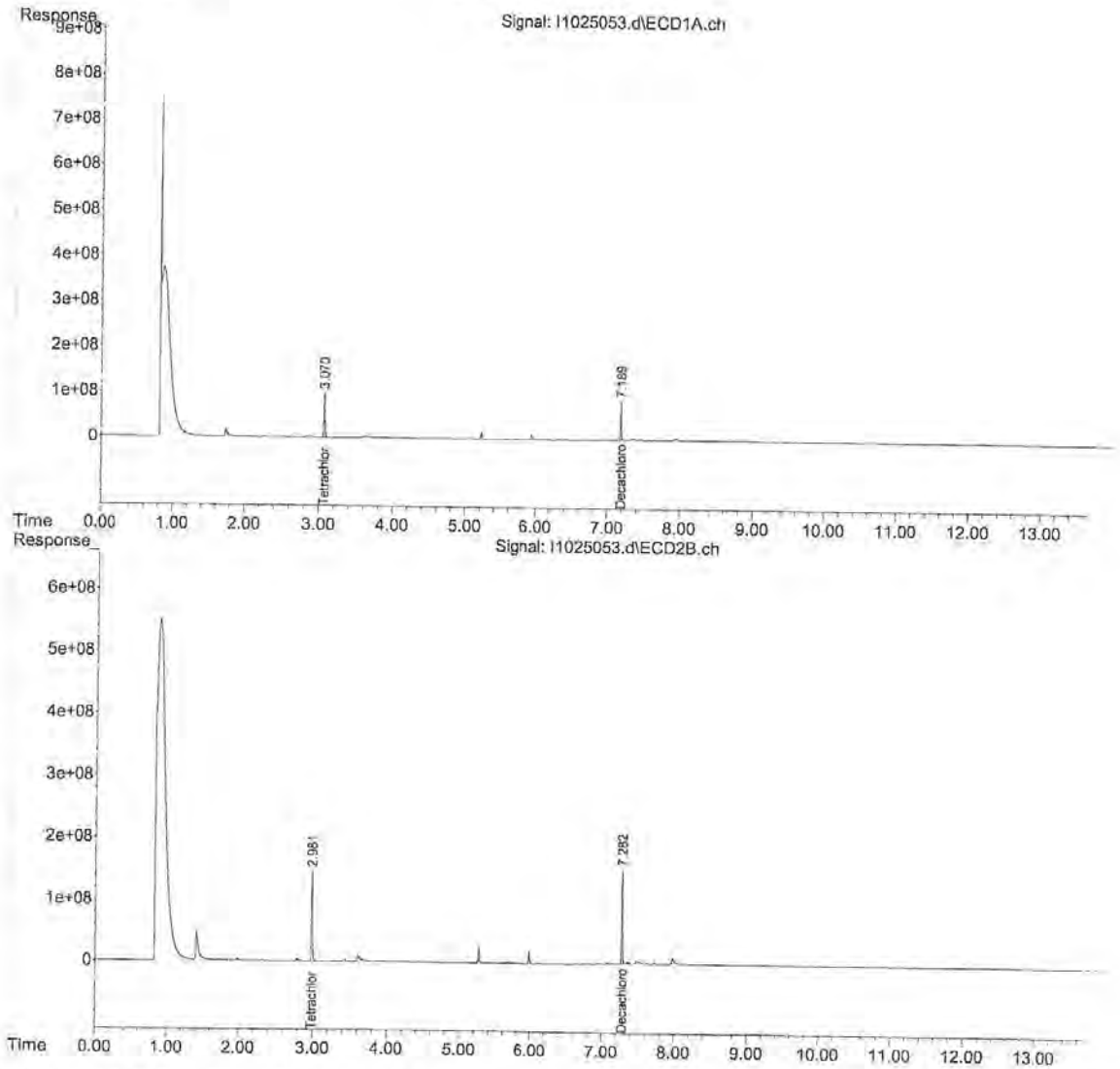
3-1260-102218.M Mon Oct 29 13:31:37 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102518\
Data File : I1025053.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2018 8:41 pm
Operator : JMB
Sample : 18J1227-18@4X TBA Inst : ECD 9
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Oct 26 12:38:46 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-101618.M
Quant Title : 1260/1016 10/01/18 09/07/18 ICAL 1800321
QLast Update : Tue Oct 02 11:09:21 2018
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



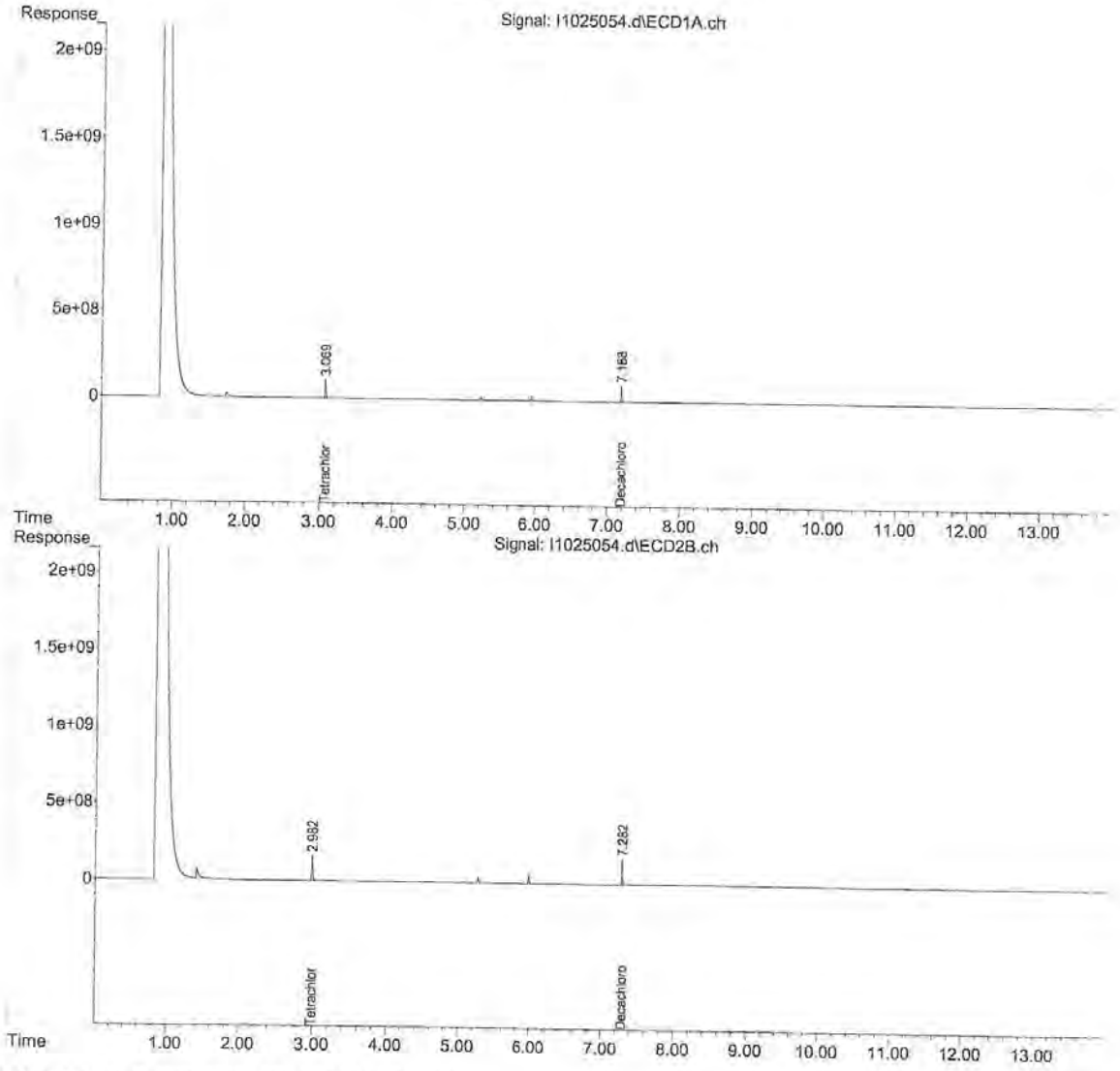
9-1260-101618.M Mon Oct 29 12:36:23 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102518\
Data File : I1025054.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2018 8:58 pm
Operator : JMB
Sample : 18J1227-19@4X TBA Inst : ECD 9
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Oct 26 12:39:21 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-101618.M
Quant Title : 1260/1016 10/01/18 09/07/18 ICAL 1800321
QLast Update : Tue Oct 02 11:09:21 2018
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



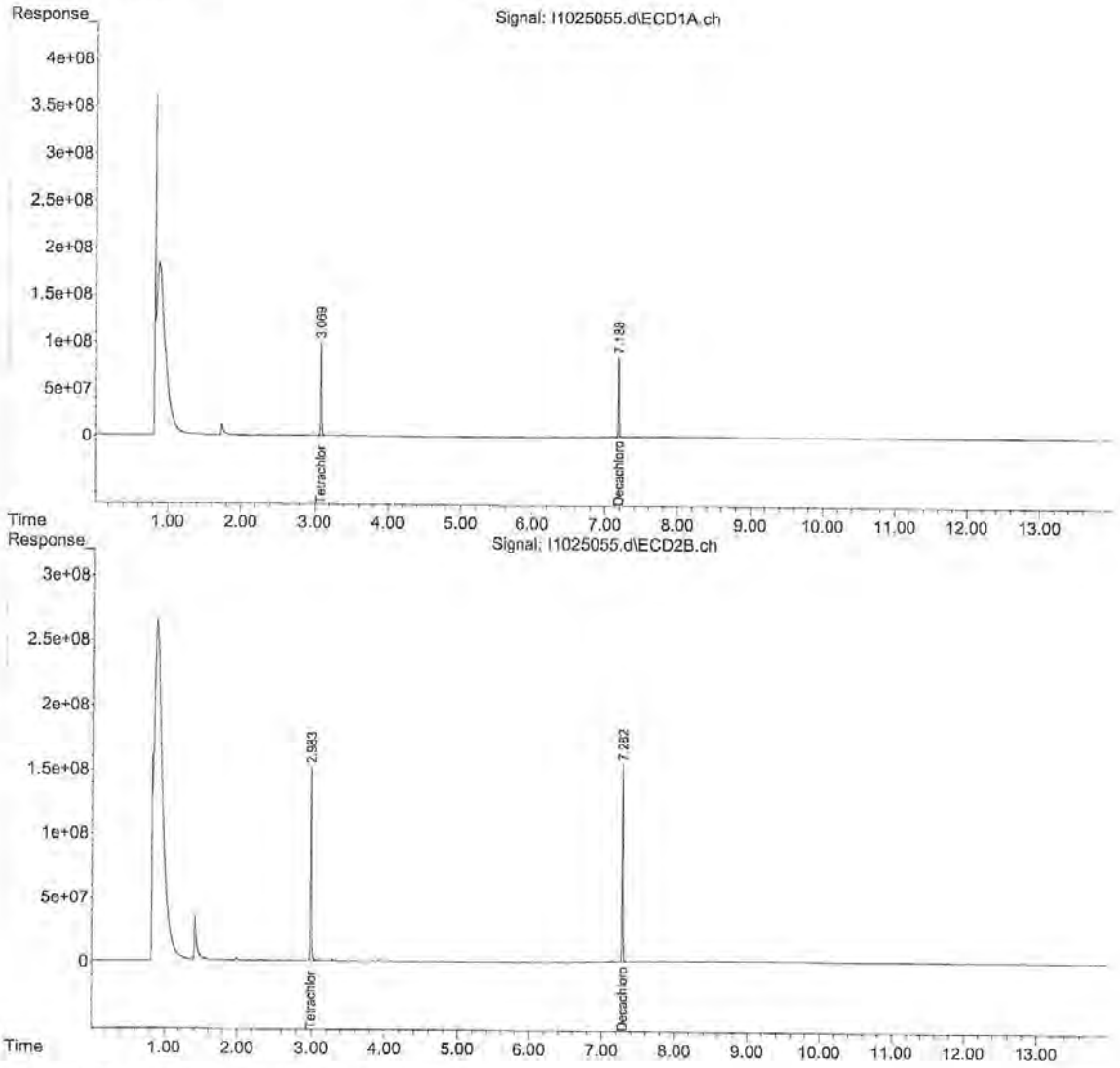
9-1260-101618.M Mon Oct 29 12:36:27 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102518\
Data File : I1025055.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2018 9:16 pm
Operator : JMB
Sample : 18J1227-20@4X TBA Inst : ECD 9
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Oct 26 12:39:57 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-101618.M
Quant Title : 1260/1016 10/01/18 09/07/18 ICAL 1800321
QLast Update : Tue Oct 02 11:09:21 2018
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



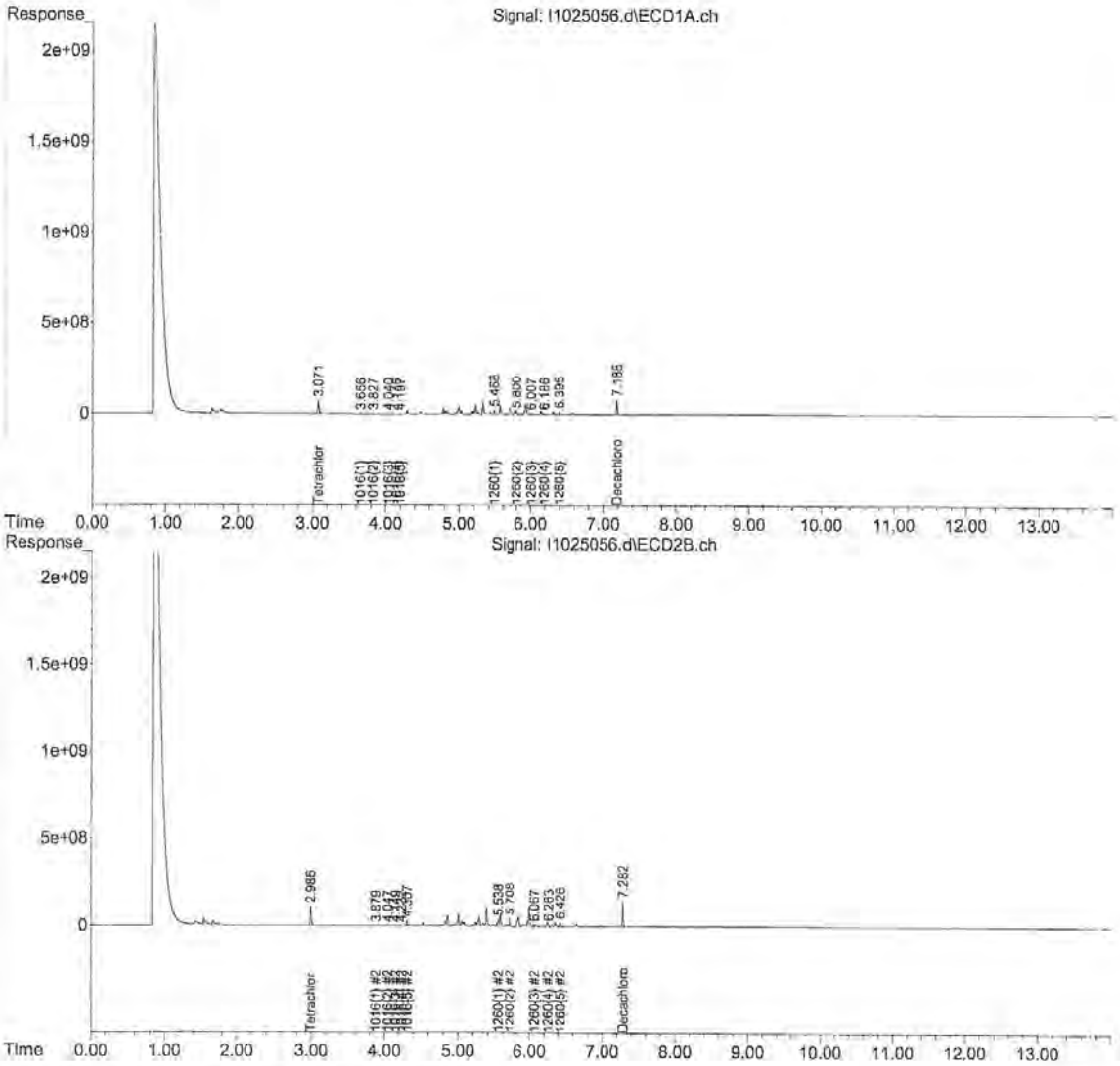
9-1260-101618.M Mon Oct 29 12:36:31 2018

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\102518\
Data File : I1025056.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2018 9:33 pm
Operator : JMB
Sample : 18J1227-21@4X TBA Inst : ECD 9
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Oct 26 05:47:11 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-101618.M
Quant Title : 1260/1016 10/01/18 09/07/18 ICAL 1800321
QLast Update : Tue Oct 02 11:09:21 2018
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



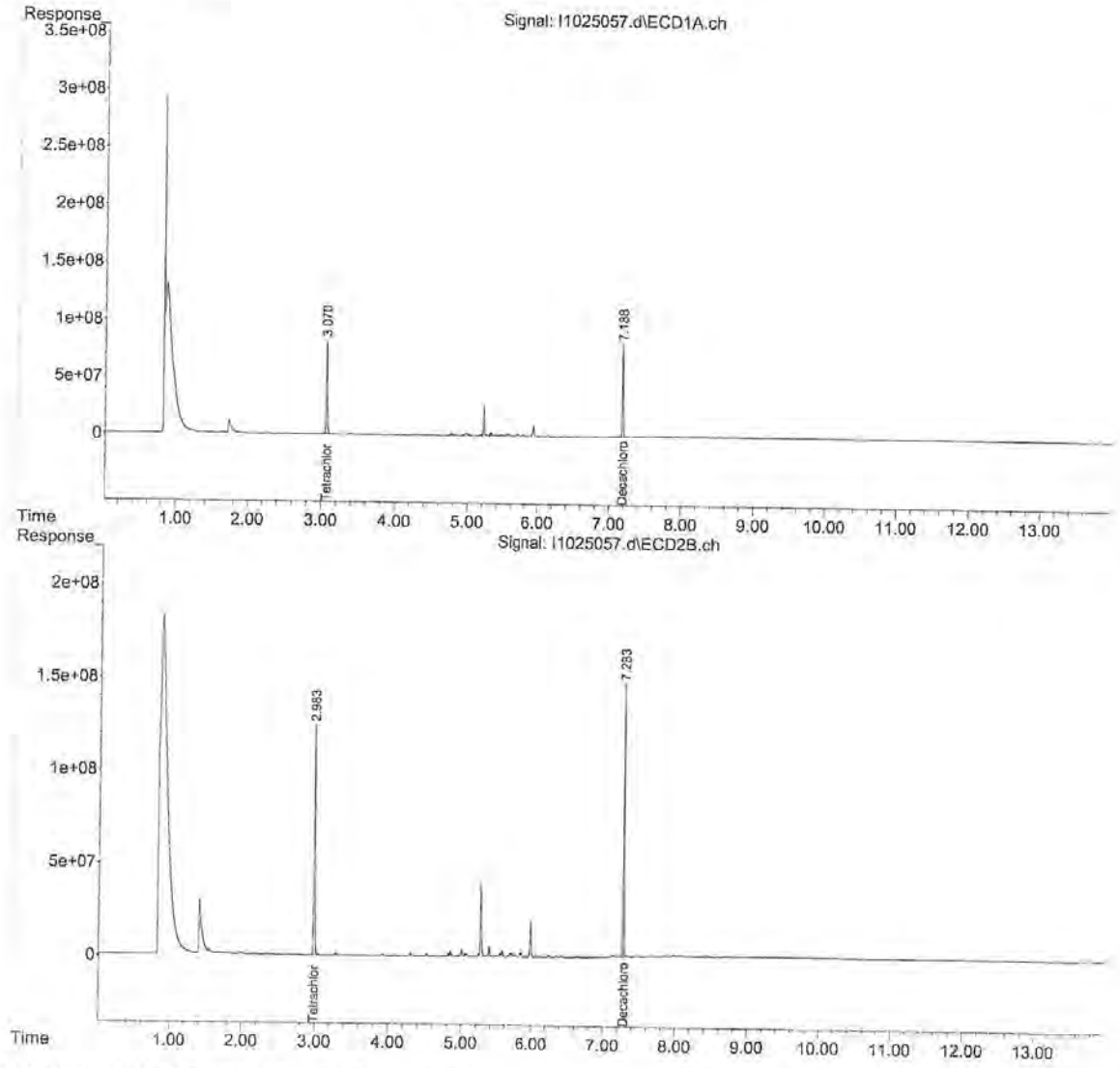
9-1260-101618.M Mon Oct 29 12:36:35 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102518\
Data File : I1025057.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2018 9:51 pm
Operator : JMB
Sample : 18J1227-22@4X TBA Inst : ECD 9
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Oct 26 12:43:46 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-101618.M
Quant Title : 1260/1016 10/01/18 09/07/18 ICAL 1800321
QLast Update : Tue Oct 02 11:09:21 2018
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



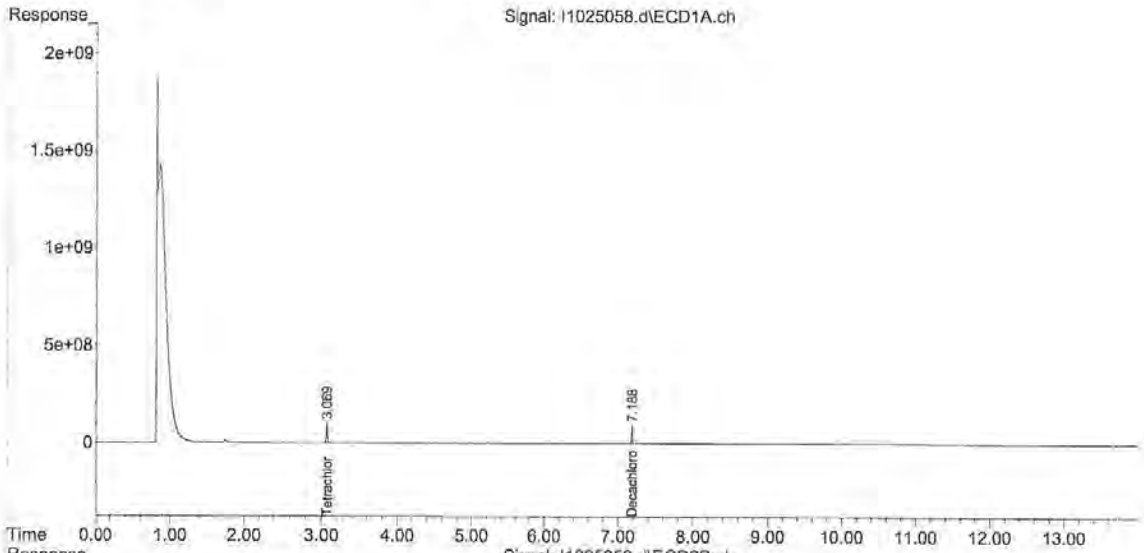
9-1260-101618.M Mon Oct 29 12:36:40 2018

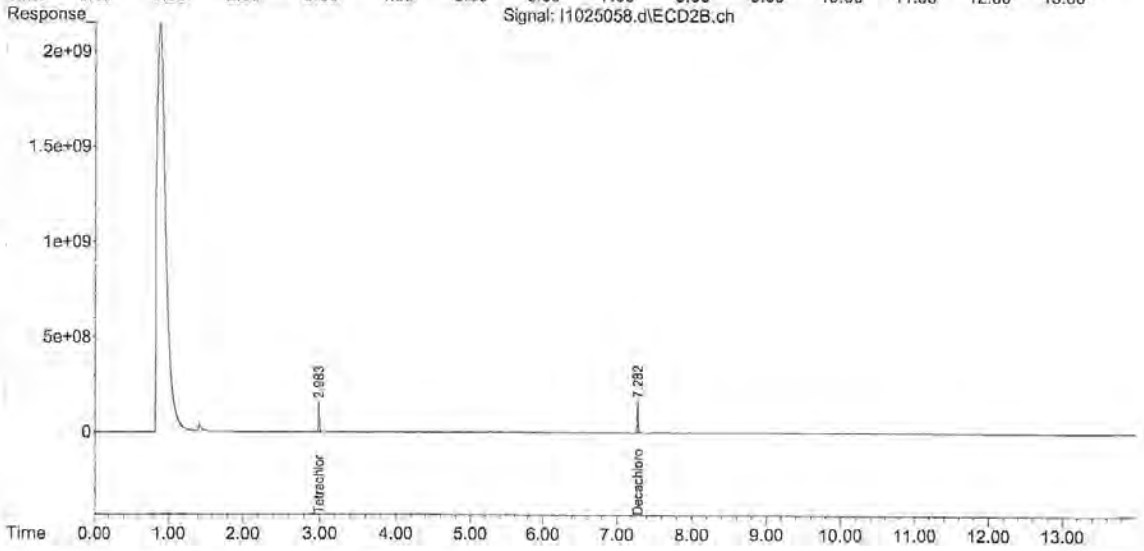
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102518\
Data File : I1025058.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2018 10:08 pm
Operator : JMB
Sample : 18J1227-23@4X TBA Inst : ECD 9
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Oct 26 12:48:47 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-101618.M
Quant Title : 1260/1016 10/01/18 09/07/18 ICAL 1800321
QLast Update : Tue Oct 02 11:09:21 2018
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





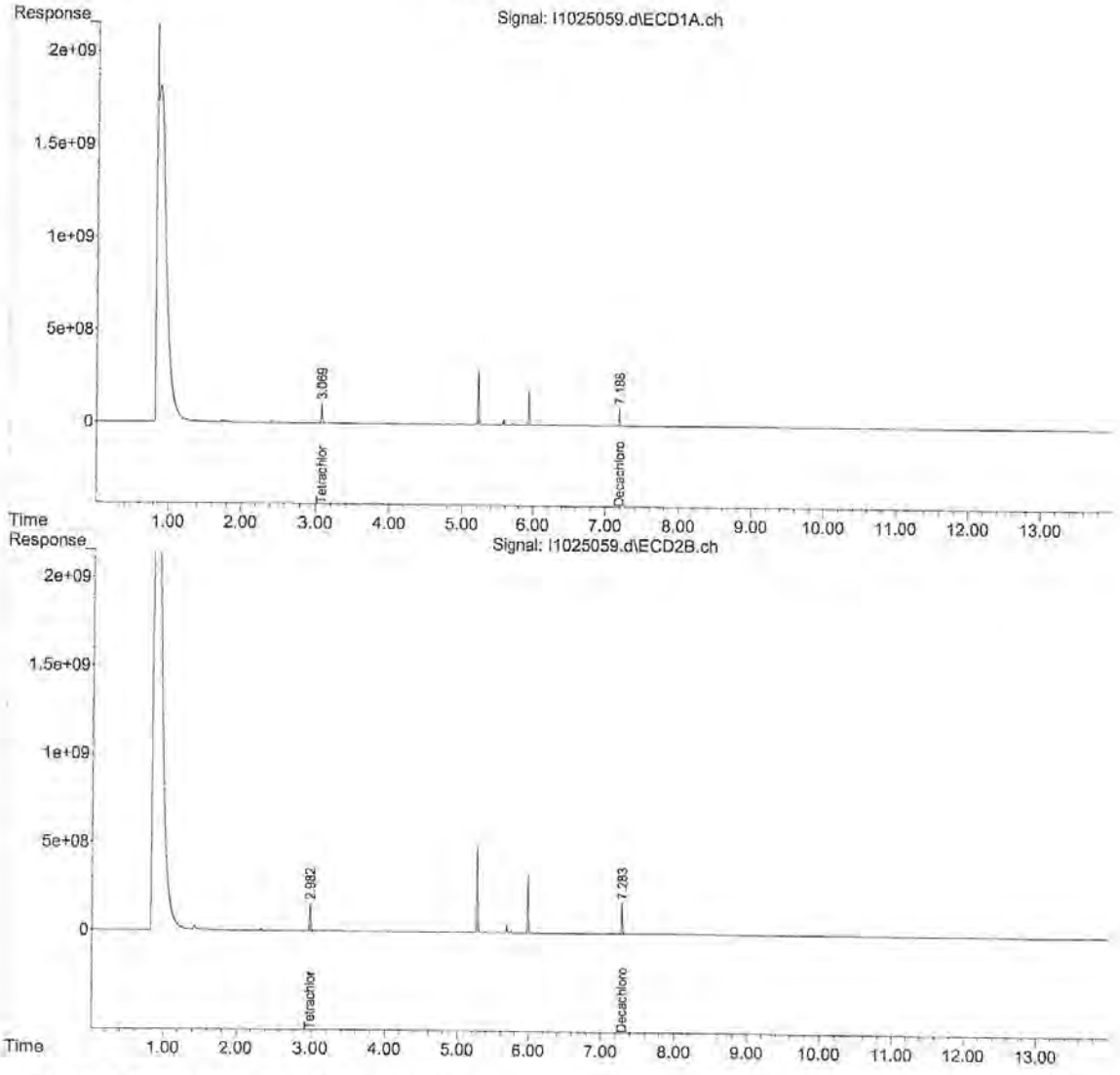
9-1260-101618.M Mon Oct 29 12:36:44 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102518\
Data File : I1025059.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2018 10:26 pm
Operator : JMB
Sample : 18J1227-24@4X TBA Inst : ECD 9
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Oct 26 12:51:05 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-101618.M
Quant Title : 1260/1016 10/01/18 09/07/18 ICAL 1800321
QLast Update : Tue Oct 02 11:09:21 2018
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



9-1260-101618.M Mon Oct 29 12:36:48 2018

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Eversource Emergency Response

Project Location: 27 Parsons Lane, Durham, CT

Project Number: 18J1227

Laboratory Sample ID(s):

18J1227-01 thru 18J1227-24

Sample Date(s):

10/24/2018

List RCP Methods Used:

SW-846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

Lisa A. Worthington

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Lisa Worthington **Position:** **Project Manager**

Printed Name: **Lisa A. Worthington** **Date:** **10/29/18**

Name of Laboratory: **Con-Test Analytical Laboratory**

This certification form is to be used for RCP methods only.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

November 13, 2018

Mike Gaughan
Eversource Emergency Response
107 Seldon Street
Berlin, CT 06037

Project Location: 27 Parsons Ln, Durham, CT
Client Job Number:
Project Number: CWC-18-00543
Laboratory Work Order Number: 18K0461

Enclosed are results of analyses for samples received by the laboratory on November 9, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Aaron L. Benoit
Project Manager

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Eversource Emergency Response
107 Seldon Street
Berlin, CT 06037
ATTN: Mike Gaughan

REPORT DATE: 11/13/2018

PURCHASE ORDER NUMBER: 02283484 Release 2

PROJECT NUMBER: CWC-18-00543

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18K0461

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 27 Parsons Ln, Durham, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
S32	18K0461-01	Soil		SM 2540G	
				SW-846 8082A	
S33	18K0461-02	Soil		SM 2540G	
				SW-846 8082A	
S34	18K0461-03	Soil		SM 2540G	
				SW-846 8082A	
S35	18K0461-04	Soil		SM 2540G	
				SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
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Project Location: 27 Parsons Ln, Durham, CT | Sample Description: | Work Order: 18K0461

Date Received: 11/9/2018

Field Sample #: S32 | Sampled: 11/8/2018 14:20

Sample ID: 18K0461-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:35	TG
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:35	TG
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:35	TG
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:35	TG
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:35	TG
Aroclor-1254 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:35	TG
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:35	TG
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:35	TG
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:35	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	101	30-150		11/12/18 17:35
Decachlorobiphenyl [2]	111	30-150		11/12/18 17:35
Tetrachloro-m-xylene [1]	87.8	30-150		11/12/18 17:35
Tetrachloro-m-xylene [2]	98.2	30-150		11/12/18 17:35

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Project Location: 27 Parsons Ln, Durham, CT | Sample Description: | Work Order: 18K0461

Date Received: 11/9/2018

Field Sample #: S32 | Sampled: 11/8/2018 14:20

Sample ID: 18K0461-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.3		% Wt	1		SM 2540G	11/12/18	11/13/18 9:43	ITB

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Project Location: 27 Parsons Ln, Durham, CT | Sample Description: | Work Order: 18K0461

Date Received: 11/9/2018

Field Sample #: S33 | Sampled: 11/8/2018 14:22

Sample ID: 18K0461-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:48	TG
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:48	TG
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:48	TG
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:48	TG
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:48	TG
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:48	TG
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:48	TG
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:48	TG
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:48	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		11/12/18 17:48
Decachlorobiphenyl [2]	110	30-150		11/12/18 17:48
Tetrachloro-m-xylene [1]	91.6	30-150		11/12/18 17:48
Tetrachloro-m-xylene [2]	101	30-150		11/12/18 17:48

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Project Location: 27 Parsons Ln, Durham, CT | Sample Description: | Work Order: 18K0461

Date Received: 11/9/2018

Field Sample #: S33 | Sampled: 11/8/2018 14:22

Sample ID: 18K0461-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.6		% Wt	1		SM 2540G	11/12/18	11/13/18 9:43	ITB

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Project Location: 27 Parsons Ln, Durham, CT | Sample Description: | Work Order: 18K0461

Date Received: 11/9/2018

Field Sample #: S34 | Sampled: 11/8/2018 14:24

Sample ID: 18K0461-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:02	TG
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:02	TG
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:02	TG
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:02	TG
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:02	TG
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:02	TG
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:02	TG
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:02	TG
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:02	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	107	30-150		11/12/18 18:02
Decachlorobiphenyl [2]	114	30-150		11/12/18 18:02
Tetrachloro-m-xylene [1]	95.1	30-150		11/12/18 18:02
Tetrachloro-m-xylene [2]	103	30-150		11/12/18 18:02

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Ln, Durham, CT | Sample Description: | Work Order: 18K0461

Date Received: 11/9/2018

Field Sample #: S34 | Sampled: 11/8/2018 14:24

Sample ID: 18K0461-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.6		% Wt	1		SM 2540G	11/12/18	11/13/18 9:43	ITB

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Project Location: 27 Parsons Ln, Durham, CT | Sample Description: | Work Order: 18K0461

Date Received: 11/9/2018

Field Sample #: S35 | Sampled: 11/8/2018 14:26

Sample ID: 18K0461-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:15	TG
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:15	TG
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:15	TG
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:15	TG
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:15	TG
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:15	TG
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:15	TG
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:15	TG
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:15	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		11/12/18 18:15
Decachlorobiphenyl [2]	110	30-150		11/12/18 18:15
Tetrachloro-m-xylene [1]	89.3	30-150		11/12/18 18:15
Tetrachloro-m-xylene [2]	94.9	30-150		11/12/18 18:15

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Project Location: 27 Parsons Ln, Durham, CT | Sample Description: | Work Order: 18K0461

Date Received: 11/9/2018

Field Sample #: S35 | Sampled: 11/8/2018 14:26

Sample ID: 18K0461-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.4		% Wt	1		SM 2540G	11/12/18	11/13/18 9:43	ITB

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
18K0461-01 [S32]	B216981	11/12/18
18K0461-02 [S33]	B216981	11/12/18
18K0461-03 [S34]	B216981	11/12/18
18K0461-04 [S35]	B216981	11/12/18

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18K0461-01 [S32]	B216889	10.0	10.0	11/09/18
18K0461-02 [S33]	B216889	10.6	10.0	11/09/18
18K0461-03 [S34]	B216889	10.6	10.0	11/09/18
18K0461-04 [S35]	B216889	10.3	10.0	11/09/18

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B216889 - SW-846 3540C										
Blank (B216889-BLK1)				Prepared: 11/09/18 Analyzed: 11/12/18						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.192*		mg/Kg wet	0.200		96.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.218*		mg/Kg wet	0.200		109	30-150			
Surrogate: Tetrachloro-m-xylene	*0.173*		mg/Kg wet	0.200		86.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.189*		mg/Kg wet	0.200		94.5	30-150			
LCS (B216889-BS1)				Prepared: 11/09/18 Analyzed: 11/12/18						
Aroclor-1016	0.16	0.020	mg/Kg wet	0.198		79.2	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.198		90.3	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.198		79.8	40-140			
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.198		90.2	40-140			
Surrogate: Decachlorobiphenyl	*0.182*		mg/Kg wet	0.198		91.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.204*		mg/Kg wet	0.198		103	30-150			
Surrogate: Tetrachloro-m-xylene	*0.168*		mg/Kg wet	0.198		84.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.185*		mg/Kg wet	0.198		93.4	30-150			
LCS Dup (B216889-BSD1)				Prepared: 11/09/18 Analyzed: 11/12/18						
Aroclor-1016	0.16	0.019	mg/Kg wet	0.189		85.0	40-140	2.25	30	
Aroclor-1016 [2C]	0.19	0.019	mg/Kg wet	0.189		99.8	40-140	5.10	30	
Aroclor-1260	0.16	0.019	mg/Kg wet	0.189		86.8	40-140	3.54	30	
Aroclor-1260 [2C]	0.18	0.019	mg/Kg wet	0.189		97.7	40-140	3.14	30	
Surrogate: Decachlorobiphenyl	*0.189*		mg/Kg wet	0.189		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.210*		mg/Kg wet	0.189		111	30-150			
Surrogate: Tetrachloro-m-xylene	*0.173*		mg/Kg wet	0.189		91.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.188*		mg/Kg wet	0.189		99.8	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B216889-BS1 Date(s) Analyzed 11/12/2018 11/12/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.18	11.8
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.18	11.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B216889-BSD1 Date(s) Analyzed 11/12/2018 11/12/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.19	17.1
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.18	11.8

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

ALB 18K0461

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Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name: Eversource Energy
Address: 107 Selden St, Berlin, CT
Phone: 860-559-3860
Project Name:
Project Location: 27 Parsons Ln, Durham, CT
Project Number: CWC-18-0954.3
Project Manager: Mike Gaughan
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: MMG

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☒ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: Michael.gaughan@eversource.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCB 8082 Soxhlet												# of Containers
1	S32	11/8/18	1420		X	S	U	X												[2] Preservation Code
2	S33	11/8/18	1422		X	S	U	X												[3] Container Code
3	S34	11/8/18	1424		X	S	U	X												
4	S35	11/8/18	1426		X	S	U	X												

ANALYSIS REQUESTED

Dissolved Metals Samples
O Field Filtered
O Lab to Filter

Orthophosphate Samples
O Field Filtered
O Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

	Relinquished by: (signature)	Date/Time:
		11/8/18 1515
	Received by: (signature)	Date/Time:
		11-9-18 4:10
	Relinquished by: (signature)	Date/Time:
		11-9-18 6:55
	Received by: (signature)	Date/Time:
		11/09/18 1955
	Relinquished by: (signature)	Date/Time:
	Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT
Other

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

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I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client: EverSource Energy

Received By: TJ Date: 11/09/2018 Time: 1855

How were the samples received? In Cooler: T No Cooler: ____ On Ice: T No Ice: ____ Direct from Sampling: ____ Ambient: ____ Melted Ice: ____

Were samples within Temperature? 2-6°C: T By Gun #: 1 Actual Temp - 2.6 By Blank #: ____ Actual Temp - ____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? ____

Are there Rushes? T Who was notified? ____

Are there Short Holds? F Who was notified? ____

Is there enough Volume? T

Is there Headspace where applicable? ~~Y~~/NA MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? NA Acid ____ Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz ~~Amb~~/Clear	4
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz ~~Amb~~/Clear TJ	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

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November 8, 2018

Mike Gaughan
Eversource Emergency Response
107 Seldon Street
Berlin, CT 06037

Project Location: 27 Parsons Lane, Durham, CT
Client Job Number:
Project Number: CWC-18-00543
Laboratory Work Order Number: 18K0002

Enclosed are results of analyses for samples received by the laboratory on November 1, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Aaron L. Benoit
Project Manager

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Eversource Emergency Response
107 Seldon Street
Berlin, CT 06037
ATTN: Mike Gaughan

REPORT DATE: 11/8/2018

PURCHASE ORDER NUMBER: 02283484 Release 2

PROJECT NUMBER: CWC-18-00543

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18K0002

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 27 Parsons Lane, Durham, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
S10	18K0002-01	Soil		SM 2540G	
				SW-846 8082A	
S10 Duplicate	18K0002-02	Soil		SM 2540G	
				SW-846 8082A	
S14	18K0002-03	Soil		SM 2540G	
				SW-846 8082A	
S29	18K0002-04	Soil		SM 2540G	
				SW-846 8082A	
S30	18K0002-05	Soil		SM 2540G	
				SW-846 8082A	
S31	18K0002-06	Soil		SM 2540G	
				SW-846 8082A	

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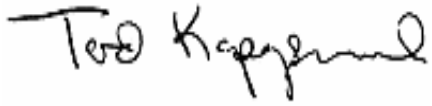
CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Tod E. Kopyscinski
Laboratory Director

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT Sample Description: Work Order: 18K0002

Date Received: 11/1/2018

Field Sample #: S10 Sampled: 10/24/2018 11:10

Sample ID: 18K0002-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.8		% Wt	1		SM 2540G	10/24/18	11/6/18 10:14	MAT

con-test® ANALYTICAL LABORATORY
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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18K0002

Date Received: 11/1/2018

Field Sample #: S10 | Sampled: 10/24/2018 11:10

Sample ID: 18K0002-01

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:03	AYH
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:03	AYH
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:03	AYH
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:03	AYH
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:03	AYH
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:03	AYH
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:03	AYH
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:03	AYH
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:03	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	46.8	30-150		11/7/18 16:03
Decachlorobiphenyl [2]	47.7	30-150		11/7/18 16:03
Tetrachloro-m-xylene [1]	47.0	30-150		11/7/18 16:03
Tetrachloro-m-xylene [2]	49.0	30-150		11/7/18 16:03

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT Sample Description: Work Order: 18K0002

Date Received: 11/1/2018

Field Sample #: S10 Duplicate Sampled: 10/24/2018 11:10

Sample ID: 18K0002-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.3		% Wt	1		SM 2540G	10/24/18	11/6/18 10:14	MAT

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18K0002

Date Received: 11/1/2018

Field Sample #: S10 Duplicate | Sampled: 10/24/2018 11:10

Sample ID: 18K0002-02

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:15	AYH
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:15	AYH
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:15	AYH
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:15	AYH
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:15	AYH
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:15	AYH
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:15	AYH
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:15	AYH
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:15	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	64.8	30-150		11/7/18 16:15
Decachlorobiphenyl [2]	65.2	30-150		11/7/18 16:15
Tetrachloro-m-xylene [1]	55.3	30-150		11/7/18 16:15
Tetrachloro-m-xylene [2]	57.5	30-150		11/7/18 16:15

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT Sample Description: Work Order: 18K0002

Date Received: 11/1/2018

Field Sample #: S14 Sampled: 10/24/2018 11:14

Sample ID: 18K0002-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.8		% Wt	1		SM 2540G	10/24/18	11/6/18 10:14	MAT

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18K0002

Date Received: 11/1/2018

Field Sample #: S14 | Sampled: 10/24/2018 11:14

Sample ID: 18K0002-03

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:28	AYH
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:28	AYH
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:28	AYH
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:28	AYH
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:28	AYH
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:28	AYH
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:28	AYH
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:28	AYH
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:28	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	45.7	30-150		11/7/18 16:28
Decachlorobiphenyl [2]	46.7	30-150		11/7/18 16:28
Tetrachloro-m-xylene [1]	57.9	30-150		11/7/18 16:28
Tetrachloro-m-xylene [2]	60.3	30-150		11/7/18 16:28

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18K0002

Date Received: 11/1/2018

Field Sample #: S29 | Sampled: 10/24/2018 11:35

Sample ID: 18K0002-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.1		% Wt	1		SM 2540G	10/24/18	11/6/18 10:14	MAT

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18K0002

Date Received: 11/1/2018

Field Sample #: S29 | Sampled: 10/24/2018 11:35

Sample ID: 18K0002-04

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:41	AYH
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:41	AYH
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:41	AYH
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:41	AYH
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:41	AYH
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:41	AYH
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:41	AYH
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:41	AYH
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:41	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	49.5	30-150		11/7/18 16:41
Decachlorobiphenyl [2]	50.1	30-150		11/7/18 16:41
Tetrachloro-m-xylene [1]	49.6	30-150		11/7/18 16:41
Tetrachloro-m-xylene [2]	51.5	30-150		11/7/18 16:41

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Project Location: 27 Parsons Lane, Durham, CT Sample Description: Work Order: 18K0002

Date Received: 11/1/2018

Field Sample #: S30 Sampled: 10/24/2018 11:36

Sample ID: 18K0002-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.0		% Wt	1		SM 2540G	10/24/18	11/6/18 10:14	MAT

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18K0002

Date Received: 11/1/2018

Field Sample #: S30 | Sampled: 10/24/2018 11:36

Sample ID: 18K0002-05

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:54	AYH
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:54	AYH
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:54	AYH
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:54	AYH
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:54	AYH
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:54	AYH
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:54	AYH
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:54	AYH
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:54	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	56.4	30-150		11/7/18 16:54
Decachlorobiphenyl [2]	57.3	30-150		11/7/18 16:54
Tetrachloro-m-xylene [1]	70.8	30-150		11/7/18 16:54
Tetrachloro-m-xylene [2]	72.7	30-150		11/7/18 16:54

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18K0002

Date Received: 11/1/2018

Field Sample #: S31 | Sampled: 10/24/2018 11:37

Sample ID: 18K0002-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.2		% Wt	1		SM 2540G	10/24/18	11/6/18 10:14	MAT

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18K0002

Date Received: 11/1/2018

Field Sample #: S31 | Sampled: 10/24/2018 11:37

Sample ID: 18K0002-06

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 17:06	AYH
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 17:06	AYH
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 17:06	AYH
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 17:06	AYH
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 17:06	AYH
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 17:06	AYH
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 17:06	AYH
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 17:06	AYH
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 17:06	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	38.3	30-150		11/7/18 17:06
Decachlorobiphenyl [2]	39.8	30-150		11/7/18 17:06
Tetrachloro-m-xylene [1]	62.8	30-150		11/7/18 17:06
Tetrachloro-m-xylene [2]	64.9	30-150		11/7/18 17:06

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
18K0002-01 [S10]	B215628	10/24/18
18K0002-02 [S10 Duplicate]	B215628	10/24/18
18K0002-03 [S14]	B215628	10/24/18
18K0002-04 [S29]	B215628	10/24/18
18K0002-05 [S30]	B215628	10/24/18
18K0002-06 [S31]	B215628	10/24/18

Prep Method: SW-846 3510C-SW-846 8082A **Leachates were extracted on 11/2/2018 per SW-846 1312 in Batch B216306**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18K0002-01 [S10]	B216370	500	5.00	11/05/18
18K0002-02 [S10 Duplicate]	B216370	500	5.00	11/05/18
18K0002-03 [S14]	B216370	500	5.00	11/05/18
18K0002-04 [S29]	B216370	500	5.00	11/05/18
18K0002-05 [S30]	B216370	500	5.00	11/05/18
18K0002-06 [S31]	B216370	500	5.00	11/05/18

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QUALITY CONTROL

SPLP - Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B216370 - SW-846 3510C										
Blank (B216370-BLK1)				Prepared: 11/05/18 Analyzed: 11/07/18						
Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	*1.05*		µg/L	2.00		52.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.06*		µg/L	2.00		53.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.847*		µg/L	2.00		42.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.884*		µg/L	2.00		44.2	30-150			
LCS (B216370-BS1)				Prepared: 11/05/18 Analyzed: 11/07/18						
Aroclor-1016	0.38	0.20	µg/L	0.500		76.0	40-140			
Aroclor-1016 [2C]	0.40	0.20	µg/L	0.500		80.1	40-140			
Aroclor-1260	0.36	0.20	µg/L	0.500		73.0	40-140			
Aroclor-1260 [2C]	0.41	0.20	µg/L	0.500		82.0	40-140			
Surrogate: Decachlorobiphenyl	*1.12*		µg/L	2.00		55.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.14*		µg/L	2.00		56.8	30-150			
Surrogate: Tetrachloro-m-xylene	*1.19*		µg/L	2.00		59.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.24*		µg/L	2.00		61.8	30-150			
LCS Dup (B216370-BSD1)				Prepared: 11/05/18 Analyzed: 11/07/18						
Aroclor-1016	0.40	0.20	µg/L	0.500		80.1	40-140	5.25	20	
Aroclor-1016 [2C]	0.42	0.20	µg/L	0.500		83.8	40-140	4.44	20	
Aroclor-1260	0.39	0.20	µg/L	0.500		77.2	40-140	5.61	20	
Aroclor-1260 [2C]	0.43	0.20	µg/L	0.500		85.7	40-140	4.45	20	
Surrogate: Decachlorobiphenyl	*0.823*		µg/L	2.00		41.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.843*		µg/L	2.00		42.2	30-150			
Surrogate: Tetrachloro-m-xylene	*1.20*		µg/L	2.00		59.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.24*		µg/L	2.00		61.9	30-150			

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QUALITY CONTROL

SPLP - Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B216370 - SW-846 3510C										
Matrix Spike (B216370-MS1)	**Source: 18K0002-06**			Prepared: 11/05/18 Analyzed: 11/07/18						
Aroclor-1016	0.44	0.20	µg/L	0.500	ND	88.9	40-140			
Aroclor-1016 [2C]	0.45	0.20	µg/L	0.500	ND	90.2	40-140			
Aroclor-1260	0.40	0.20	µg/L	0.500	ND	80.3	40-140			
Aroclor-1260 [2C]	0.44	0.20	µg/L	0.500	ND	87.8	40-140			
Surrogate: Decachlorobiphenyl	*0.701*		µg/L	2.00		35.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.733*		µg/L	2.00		36.7	30-150			
Surrogate: Tetrachloro-m-xylene	*1.39*		µg/L	2.00		69.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.42*		µg/L	2.00		71.0	30-150			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

ABS

18-11227

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18K0002

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 3

Company Name: Eversource
Address: 107 Selden St, Berlin, CT
Phone: 860-559-3860
Project Name:
Project Location: 27 Parsons Ln, Durham, CT
Project Number: CWC-18-00543
Project Manager: Mike Gaughan
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: MMG

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date: 5 Day TAT

Rush Approval Required
1-Day ☐ 3-Day ☐
~~2-Day~~ ☒ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: michael.gaughan@eversource.com
Fax To #:

PCB8082 in Soxhlet

ANALYSIS REQUESTED

Con-Test Work Order#		Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	PCB8082 in Soxhlet	SPLP 8082	# of Containers	Preservation Code	Container Code
-01	1	S10	10/24/18	1110		X	S	4	X	X			
-02	2	S10 Duplicate	10/24/18	1110		X	S	4	X	X			
	3	S11	10/24/18	1112		X	S	4	X				
	4	S12	10/24/18	1113		X	S	4	X				
	5	S13	10/24/18	1115		X	S	4	X				
-03	6	S14	10/24/18	1114		X	S	4	X	X			
	7	S15	10/24/18	1116		X	S	4	X				
	8	S16	10/24/18	1117		X	S	4	X				
	9	S17	10/24/18	1118		X	S	4	X				
	10	S18	10/24/18	1119		X	S	4	X				

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: Need chromatographs for all PCB analyses

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)		Date/Time: 10/24/18 12:30
Received by: (signature)	Tom Mauro	Date/Time: 10/24/18 15:30
Relinquished by: (signature)	Tom Mauro	Date/Time: 10/24/18 1750
Received by: (signature)	2.4	Date/Time: 10.24.18 17:5
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Detection Limit Requirements
MA:
CT: GA/Res
Other:

Special Requirements
☐ MA MCP Required
☐ MCP Certification Form Required
☒ CT RCP Required
☐ RCP Certification Form Required
☐ MA State DW Required
PWSID #

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NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☒ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

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Email: info@contestlabs.com

~~18T1227~~ 18K0002

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Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 2 of 3

Company Name: Eversource
Address: 107 Selden St, Berlin, CT
Phone: 860-559-3860
Project Name:
Project Location: 27 Parsons Ln, Durham, CT
Project Number: CWC-18-00543
Project Manager: Mike Craughan
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: MMG

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☒ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: michael.gaughan@eversource.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	PCB 8082 w Soxhlet	SPLP 8082	# of Containers	Preservation Code	Container Code
11	S19	10/24/18	1120		X	S	U	X				
12	S20	10/24/18	1121		X	S	U	X				
13	S21	10/24/18	1122		X	S	U	X				
14	S22	10/24/18	1123		X	S	U	X				
15	S23	10/24/18	1124		X	S	U	X				
16	S24	10/24/18	~~1123~~ 1125	MS	X	S	U	X				
17	S25	10/24/18	1126		X	S	U	X				
18	S26	10/24/18	1132		X	S	U	X				
19	S27	10/24/18	1133		X	S	U	X				
20	S28	10/24/18	1134		X	S	U	X				

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:
Need chromatographs for all PCB analyses

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	10/24/18	Date/Time: 12:30
Received by: (signature)	10/26/18	Date/Time: 1530
Relinquished by: (signature)	10/14/18	Date/Time: 1750
Received by: (signature)	10.24.18	Date/Time: 17:50
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Detection Limit Requirements
MA
CT GA/Res
Other

Special Requirements
☐ MA MCP Required
☐ MCP Certification Form Required
☒ CT RCP Required
☐ RCP Certification Form Required
☐ MA State DW Required
PWSID #

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☒ Chromatogram
☐ AIHA-LAP, LLC

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

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~~1871227~~ 18K0002

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Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

39 Spruce Street
East Longmeadow, MA 01028

Page 3 of 3

Company Name:	Eversource
Address:	107 Selden St, Berlin, CT
Phone:	860-559-3860
Project Name:	
Project Location:	27 Parsons Ln, Durham, CT
Project Number:	CWC-18-00543
Project Manager:	Mike Gaughan
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	MMG

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☒ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: Michael.gaughan@eversource.com
Fax To #:

Con-Test Work Order#		Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCB 8082 Soxhlet	SPLP 8082	# of Containers	[2] Preservation Code	[3] Container Code
-04	21	S29	10/24/18	1135		X	S	U	X	X			
-05	22	S30	10/24/18	1136		X	S	U	X	X			
	23	S30 Duplicate	10/24/18	1136		X	S	U	X				
-06	24	S31	10/24/18	1137		X	S	U	X	X			

ANALYSIS REQUESTED

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: Need chromatographs for all PCB analyses

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	10/24/18 12:30	Date/Time:
Received by: (signature)	10/24/18 15:30	Date/Time:
Relinquished by: (signature)	10/24/18 1750	Date/Time:
Received by: (signature)	2.9 10-24-18 17:50	Date/Time:
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Detection Limit Requirements
MA:
CT: GA/Res
Other:

Special Requirements
☐ MA MCP Required
☐ MCP Certification Form Required
☒ CT RCP Required
☐ RCP Certification Form Required
☐ MA State DW Required
PWSID #

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☒ Chromatogram
☐ AIHA-LAP, LLC

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Eversource

Received By ESD Date 10-24-18 Time 17:50

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 577 Actual Temp - 2.9
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified? _____
Are there Rushes? T Who was notified? BMe
Are there Short Holds? F Who was notified? _____
Is there enough Volume? T
Is there Headspace where applicable? F MS/MSD? F
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? F On COC? F
Do all samples have the proper pH? NA Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	24
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

Aaron Benoit

From: Gaughan, Michael M
Sent: Thursday, November 01, 2018 10:27 AM
To: Aaron Benoit
Subject: Work order 18J1227 additional analyses

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Reactivation

Aaron,

Regarding WO 18J1227 for 27 Parsons Lane, Durham, CT, please re-analyze the following soil samples for PCB 8082 following SPLP extraction on a 5-day TAT:

18J1227-01 S10
18J1227-02 S10 Duplicate
18J1227-06 S14
18J1227-21 S29
18J1227-22 S30
18J1227-24 S31

Thanks,

Michael M. Gaughan, LEP
Environmental Coordinator
Eversource Energy
705 West Johnson Avenue, Cheshire, CT 06410
Office: 203-271-4859 Cell: 860-559-3860
michael.gaughan@eversource.com

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REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Eversource Emergency Response

Project Location: 27 Parsons Lane, Durham, CT

Project Number: 18K0002

Laboratory Sample ID(s):

18K0002-01 thru 18K0002-06

Sample Date(s):

10/24/2018

List RCP Methods Used:

SW-846 1312, SW-846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

Tod E. Kopyscinski

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Tod Kopyscinski **Position:** Laboratory Director

Printed Name: Tod E. Kopyscinski **Date:** 11/08/18

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

January 3, 2019

Mike Gaughan
Eversource Emergency Response
107 Seldon Street
Berlin, CT 06037

Project Location: 27 Parsons Lane, Durham, CT
Client Job Number:
Project Number: CWC-18-00543
Laboratory Work Order Number: 18L1300

Enclosed are results of analyses for samples received by the laboratory on December 28, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Aaron L. Benoit
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Eversource Emergency Response
107 Seldon Street
Berlin, CT 06037
ATTN: Mike Gaughan

REPORT DATE: 1/3/2019

PURCHASE ORDER NUMBER: 02283484 Release 2

PROJECT NUMBER: CWC-18-00543

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18L1300

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 27 Parsons Lane, Durham, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Tank 1 Top	18L1300-01	Wipe		SW-846 8082A	
Tank 1 Mid	18L1300-02	Wipe		SW-846 8082A	
Tank 1 Bottom	18L1300-03	Wipe		SW-846 8082A	
Tank 2 Top	18L1300-04	Wipe		SW-846 8082A	
Tank 2 Mid	18L1300-05	Wipe		SW-846 8082A	
Tank 2 Bottom	18L1300-06	Wipe		SW-846 8082A	
Tank 3 Top	18L1300-07	Wipe		SW-846 8082A	
Tank 3 Mid	18L1300-08	Wipe		SW-846 8082A	
Tank 3 Bottom	18L1300-09	Wipe		SW-846 8082A	
Tank 4 Top	18L1300-10	Wipe		SW-846 8082A	
Tank 4 Mid	18L1300-11	Wipe		SW-846 8082A	
Tank 4 Bottom	18L1300-12	Wipe		SW-846 8082A	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18L1300

Date Received: 12/28/2018

Field Sample #: Tank 1 Top | Sampled: 12/27/2018 10:33

Sample ID: 18L1300-01

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:42	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:42	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:42	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:42	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:42	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:42	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:42	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:42	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:42	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	103	30-150		1/2/19 21:42
Decachlorobiphenyl [2]	102	30-150		1/2/19 21:42
Tetrachloro-m-xylene [1]	92.4	30-150		1/2/19 21:42
Tetrachloro-m-xylene [2]	95.1	30-150		1/2/19 21:42

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18L1300

Date Received: 12/28/2018

Field Sample #: Tank 1 Mid | Sampled: 12/27/2018 10:35

Sample ID: 18L1300-02

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:59	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:59	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:59	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:59	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:59	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:59	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:59	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:59	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:59	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	100	30-150		1/2/19 21:59
Decachlorobiphenyl [2]	100	30-150		1/2/19 21:59
Tetrachloro-m-xylene [1]	89.6	30-150		1/2/19 21:59
Tetrachloro-m-xylene [2]	91.4	30-150		1/2/19 21:59

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18L1300

Date Received: 12/28/2018

Field Sample #: Tank 1 Bottom | Sampled: 12/27/2018 10:37

Sample ID: 18L1300-03

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:17	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:17	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:17	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:17	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:17	TG
Aroclor-1254 [2]	0.29	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:17	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:17	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:17	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:17	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	100	30-150		1/2/19 22:17
Decachlorobiphenyl [2]	100	30-150		1/2/19 22:17
Tetrachloro-m-xylene [1]	89.7	30-150		1/2/19 22:17
Tetrachloro-m-xylene [2]	91.7	30-150		1/2/19 22:17

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18L1300

Date Received: 12/28/2018

Field Sample #: Tank 2 Top | Sampled: 12/27/2018 10:39

Sample ID: 18L1300-04

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:34	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:34	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:34	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:34	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:34	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:34	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:34	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:34	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:34	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	105	30-150		1/2/19 22:34
Decachlorobiphenyl [2]	106	30-150		1/2/19 22:34
Tetrachloro-m-xylene [1]	91.2	30-150		1/2/19 22:34
Tetrachloro-m-xylene [2]	92.9	30-150		1/2/19 22:34

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18L1300

Date Received: 12/28/2018

Field Sample #: Tank 2 Mid | Sampled: 12/27/2018 10:41

Sample ID: 18L1300-05

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:52	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:52	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:52	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:52	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:52	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:52	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:52	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:52	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:52	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		1/2/19 22:52
Decachlorobiphenyl [2]	104	30-150		1/2/19 22:52
Tetrachloro-m-xylene [1]	89.3	30-150		1/2/19 22:52
Tetrachloro-m-xylene [2]	91.6	30-150		1/2/19 22:52

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18L1300

Date Received: 12/28/2018

Field Sample #: Tank 2 Bottom | Sampled: 12/27/2018 10:43

Sample ID: 18L1300-06

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 23:57	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 23:57	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 23:57	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 23:57	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 23:57	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 23:57	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 23:57	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 23:57	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 23:57	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		1/2/19 23:57
Decachlorobiphenyl [2]	105	30-150		1/2/19 23:57
Tetrachloro-m-xylene [1]	96.3	30-150		1/2/19 23:57
Tetrachloro-m-xylene [2]	98.0	30-150		1/2/19 23:57

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18L1300

Date Received: 12/28/2018

Field Sample #: Tank 3 Top | Sampled: 12/27/2018 10:45

Sample ID: 18L1300-07

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:14	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:14	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:14	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:14	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:14	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:14	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:14	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:14	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:14	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	109	30-150		1/3/19 0:14
Decachlorobiphenyl [2]	108	30-150		1/3/19 0:14
Tetrachloro-m-xylene [1]	94.8	30-150		1/3/19 0:14
Tetrachloro-m-xylene [2]	98.3	30-150		1/3/19 0:14

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18L1300

Date Received: 12/28/2018

Field Sample #: Tank 3 Mid | Sampled: 12/27/2018 10:47

Sample ID: 18L1300-08

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:32	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:32	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:32	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:32	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:32	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:32	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:32	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:32	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:32	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	107	30-150		1/3/19 0:32
Decachlorobiphenyl [2]	106	30-150		1/3/19 0:32
Tetrachloro-m-xylene [1]	98.5	30-150		1/3/19 0:32
Tetrachloro-m-xylene [2]	100	30-150		1/3/19 0:32

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18L1300

Date Received: 12/28/2018

Field Sample #: Tank 3 Bottom | Sampled: 12/27/2018 10:49

Sample ID: 18L1300-09

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:49	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:49	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:49	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:49	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:49	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:49	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:49	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:49	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:49	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		1/3/19 0:49
Decachlorobiphenyl [2]	104	30-150		1/3/19 0:49
Tetrachloro-m-xylene [1]	95.5	30-150		1/3/19 0:49
Tetrachloro-m-xylene [2]	98.5	30-150		1/3/19 0:49

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18L1300

Date Received: 12/28/2018

Field Sample #: Tank 4 Top | Sampled: 12/27/2018 10:51

Sample ID: 18L1300-10

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:07	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:07	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:07	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:07	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:07	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:07	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:07	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:07	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:07	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		1/3/19 1:07
Decachlorobiphenyl [2]	106	30-150		1/3/19 1:07
Tetrachloro-m-xylene [1]	96.5	30-150		1/3/19 1:07
Tetrachloro-m-xylene [2]	98.6	30-150		1/3/19 1:07

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18L1300

Date Received: 12/28/2018

Field Sample #: Tank 4 Mid | Sampled: 12/27/2018 10:53

Sample ID: 18L1300-11

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:25	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:25	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:25	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:25	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:25	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:25	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:25	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:25	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:25	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	108	30-150		1/3/19 1:25
Decachlorobiphenyl [2]	107	30-150		1/3/19 1:25
Tetrachloro-m-xylene [1]	96.0	30-150		1/3/19 1:25
Tetrachloro-m-xylene [2]	96.6	30-150		1/3/19 1:25

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18L1300

Date Received: 12/28/2018

Field Sample #: Tank 4 Bottom | Sampled: 12/27/2018 10:55

Sample ID: 18L1300-12

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:42	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:42	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:42	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:42	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:42	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:42	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:42	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:42	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:42	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	109	30-150		1/3/19 1:42
Decachlorobiphenyl [2]	108	30-150		1/3/19 1:42
Tetrachloro-m-xylene [1]	99.6	30-150		1/3/19 1:42
Tetrachloro-m-xylene [2]	101	30-150		1/3/19 1:42

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
18L1300-01 [Tank 1 Top]	B220241	1.00	10.0	12/29/18
18L1300-02 [Tank 1 Mid]	B220241	1.00	10.0	12/29/18
18L1300-03 [Tank 1 Bottom]	B220241	1.00	10.0	12/29/18
18L1300-04 [Tank 2 Top]	B220241	1.00	10.0	12/29/18
18L1300-05 [Tank 2 Mid]	B220241	1.00	10.0	12/29/18
18L1300-06 [Tank 2 Bottom]	B220241	1.00	10.0	12/29/18
18L1300-07 [Tank 3 Top]	B220241	1.00	10.0	12/29/18
18L1300-08 [Tank 3 Mid]	B220241	1.00	10.0	12/29/18
18L1300-09 [Tank 3 Bottom]	B220241	1.00	10.0	12/29/18
18L1300-10 [Tank 4 Top]	B220241	1.00	10.0	12/29/18
18L1300-11 [Tank 4 Mid]	B220241	1.00	10.0	12/29/18
18L1300-12 [Tank 4 Bottom]	B220241	1.00	10.0	12/29/18

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B220241 - SW-846 3540C										
Blank (B220241-BLK1)				Prepared: 12/29/18 Analyzed: 01/02/19						
Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	*1.97*		µg/Wipe	2.00		98.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.97*		µg/Wipe	2.00		98.5	30-150			
Surrogate: Tetrachloro-m-xylene	*1.79*		µg/Wipe	2.00		89.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.95*		µg/Wipe	2.00		97.3	30-150			
LCS (B220241-BS1)				Prepared: 12/29/18 Analyzed: 01/02/19						
Aroclor-1016	0.41	0.20	µg/Wipe	0.500		82.3	40-140			
Aroclor-1016 [2C]	0.48	0.20	µg/Wipe	0.500		96.3	40-140			
Aroclor-1260	0.42	0.20	µg/Wipe	0.500		83.2	40-140			
Aroclor-1260 [2C]	0.45	0.20	µg/Wipe	0.500		89.8	40-140			
Surrogate: Decachlorobiphenyl	*1.93*		µg/Wipe	2.00		96.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.93*		µg/Wipe	2.00		96.4	30-150			
Surrogate: Tetrachloro-m-xylene	*1.74*		µg/Wipe	2.00		87.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.87*		µg/Wipe	2.00		93.4	30-150			
LCS Dup (B220241-BSD1)				Prepared: 12/29/18 Analyzed: 01/02/19						
Aroclor-1016	0.42	0.20	µg/Wipe	0.500		83.6	40-140	1.52	30	
Aroclor-1016 [2C]	0.49	0.20	µg/Wipe	0.500		97.7	40-140	1.44	30	
Aroclor-1260	0.42	0.20	µg/Wipe	0.500		84.4	40-140	1.41	30	
Aroclor-1260 [2C]	0.46	0.20	µg/Wipe	0.500		92.6	40-140	3.04	30	
Surrogate: Decachlorobiphenyl	*1.99*		µg/Wipe	2.00		99.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.99*		µg/Wipe	2.00		99.3	30-150			
Surrogate: Tetrachloro-m-xylene	*1.81*		µg/Wipe	2.00		90.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.94*		µg/Wipe	2.00		96.8	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Tank 1 Bottom

Lab Sample ID: 18L1300-03 Date(s) Analyzed 01/02/2019 01/02/2019

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.26	
	2	0.000	0.000	0.000	0.29	10.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B220241-BS1 Date(s) Analyzed 01/02/2019 01/02/2019

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.41	
	2	0.000	0.000	0.000	0.48	15.7
Aroclor-1260	1	0.000	0.000	0.000	0.42	
	2	0.000	0.000	0.000	0.45	6.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B220241-BSD1 Date(s) Analyzed 01/02/2019 01/02/2019

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.42	
	2	0.000	0.000	0.000	0.49	15.4
Aroclor-1260	1	0.000	0.000	0.000	0.42	
	2	0.000	0.000	0.000	0.46	9.1

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

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AUB

18L1300

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Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 1_03242017

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 2

Company Name: Eversource
Address: 107 Selden St, Berlin, CT
Phone: 860-557-3960
Project Name:
Project Location: 27 Parson's Ln, Durham, CT
Project Number: CLyC-18-00573
Project Manager: Mike Gaughan
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: MMG

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☒
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: michael.gaughan@eversource.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCB soxhlet	10	H	A											# of Containers / [2] Preservation Code / [3] Container Code
01	Tank 1 Top	12/27/18	1033		X	O	U	X														
02	Tank 1 Mid		1035					X														
03	Tank 1 Bottom		1037					X														
04	Tank 2 Top		1039					X														
05	Tank 2 Mid		1041					X														
06	Tank 2 Bottom		1043					X														
07	Tank 3 Top		1045					X														
08	Tank 3 Mid		1047					X														
09	Tank 3 Bottom		1049					X														
10	Tank 4 Top		1051					X														

ANALYSIS REQUESTED

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define) wipe

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
	12/27/18 1400
Received by: (signature)	Date/Time:
	12/28/18 1051
Relinquished by: (signature)	Date/Time:
	12/28/18 1822
Received by: (signature) 3.1C	Date/Time:
	12/28/18 1822
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Deliverables / Limit Requirements
RCP:
CT:
GW1:
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☒ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 2 of 2

Company Name: Eversource
Address: 107 Selden St, Berlin, CT
Phone: 860-559-3860
Project Name:
Project Location: 27 Parsons Ln Durham, CT
Project Number: CWC-18-00343
Project Manager: Mike Gaughan
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: MMG

Requested Turnaround Time:
7-Day ☐ 10-Day ☐
Due Date:

Rush Approval Required:
1-Day ☐ 3-Day ☒
2-Day ☐ 4-Day ☐

Data Delivery:
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: michael.gaughan@eversource.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	2 H A	PCB 8082 Soxhlet
11	Tank 4 Mid	12/27/18	1053		X	O	G	X	X
12	Tank 4 Bottom	12/27/18	1055		X	O	G	X	X

MB

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
	12/27/18 1400
Received by: (signature)	Date/Time:
	12/28/18 1651
Relinquished by: (signature)	Date/Time:
	12/28/18 1800
Received by: (signature) 3.1°C	Date/Time:
	12/28/18 1829
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements:
RCP
GW1
Other:

Special Requirements:
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

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Project Entity:
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other:
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

# of Containers
[2] Preservation Code
[3] Container Code

Dissolved Metals Samples:
O Field Filtered
O Lab to Filter

Orthophosphate Samples:
O Field Filtered
O Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define) Wipe

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Eversource

Received By RF Date 6/28/18 Time 1822

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____ Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 2 Actual Temp - 3.1°C By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? T Who was notified? Brie

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? NA MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? Acid NA Base NA

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	12
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Eversource Emergency Response

Project Location: 27 Parsons Lane, Durham, CT

Project Number: 18L1300

Laboratory Sample ID(s):

18L1300-01 thru 18L1300-12

Sample Date(s):

12/27/2018

List RCP Methods Used:

SW-846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5B	Were these reporting limits met?	☐ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

Lisa A. Worthington

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Lisa Worthington **Position:** **Project Manager**

Printed Name: **Lisa A. Worthington** **Date:** **01/03/19**

Name of Laboratory: **Con-Test Analytical Laboratory**

This certification form is to be used for RCP methods only.

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April 22, 2019

Jeff Willson
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: Durham, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 18J1300

Enclosed are results of analyses for samples received by the laboratory on October 25, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Jeff Willson

REPORT DATE: 4/22/2019

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18J1300

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Durham, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
C-1	18J1300-01	Concrete		SW-846 8082A	
C-2	18J1300-02	Concrete		SW-846 8082A	
C-3	18J1300-03	Concrete		SW-846 8082A	
C-4	18J1300-04	Concrete		SW-846 8082A	
C-5	18J1300-05	Concrete		SW-846 8082A	
C-6	18J1300-06	Concrete		SW-846 8082A	
C-7	18J1300-07	Concrete		SW-846 8082A	
C-8	18J1300-08	Concrete		SW-846 8082A	
C-32	18J1300-09	Concrete		SW-846 8082A	
C-33	18J1300-10	Concrete		SW-846 8082A	
C-34	18J1300-11	Concrete		SW-846 8082A	
Dup-1	18J1300-12	Concrete		SW-846 8082A	

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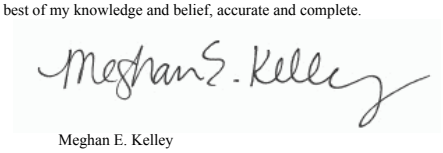
CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT - 4/22/19 - 18J1300-09, -10 & -11 IDs revised per clients request.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Durham, CT | Sample Description: | Work Order: 18J1300

Date Received: 10/25/2018

Field Sample #: C-1 | Sampled: 10/25/2018 11:00

Sample ID: 18J1300-01

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.069	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:34	KAL
Aroclor-1221 [1]	ND	0.069	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:34	KAL
Aroclor-1232 [1]	ND	0.069	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:34	KAL
Aroclor-1242 [1]	ND	0.069	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:34	KAL
Aroclor-1248 [1]	ND	0.069	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:34	KAL
Aroclor-1254 [2]	0.11	0.069	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:34	KAL
Aroclor-1260 [1]	ND	0.069	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:34	KAL
Aroclor-1262 [1]	ND	0.069	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:34	KAL
Aroclor-1268 [1]	ND	0.069	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:34	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.6	30-150		10/30/18 2:34
Decachlorobiphenyl [2]	117	30-150		10/30/18 2:34
Tetrachloro-m-xylene [1]	87.3	30-150		10/30/18 2:34
Tetrachloro-m-xylene [2]	90.5	30-150		10/30/18 2:34

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Project Location: Durham, CT | Sample Description: | Work Order: 18J1300

Date Received: 10/25/2018

Field Sample #: C-2 | Sampled: 10/25/2018 11:10

Sample ID: 18J1300-02

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:51	KAL
Aroclor-1221 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:51	KAL
Aroclor-1232 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:51	KAL
Aroclor-1242 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:51	KAL
Aroclor-1248 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:51	KAL
Aroclor-1254 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:51	KAL
Aroclor-1260 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:51	KAL
Aroclor-1262 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:51	KAL
Aroclor-1268 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:51	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.7	30-150		10/30/18 2:51
Decachlorobiphenyl [2]	121	30-150		10/30/18 2:51
Tetrachloro-m-xylene [1]	86.5	30-150		10/30/18 2:51
Tetrachloro-m-xylene [2]	90.1	30-150		10/30/18 2:51

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Project Location: Durham, CT | Sample Description: | Work Order: 18J1300

Date Received: 10/25/2018

Field Sample #: C-3 | Sampled: 10/25/2018 11:20

Sample ID: 18J1300-03

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:09	KAL
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:09	KAL
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:09	KAL
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:09	KAL
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:09	KAL
Aroclor-1254 [2]	0.12	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:09	KAL
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:09	KAL
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:09	KAL
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:09	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.7	30-150		10/30/18 3:09
Decachlorobiphenyl [2]	119	30-150		10/30/18 3:09
Tetrachloro-m-xylene [1]	83.7	30-150		10/30/18 3:09
Tetrachloro-m-xylene [2]	87.2	30-150		10/30/18 3:09

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Project Location: Durham, CT | Sample Description: | Work Order: 18J1300

Date Received: 10/25/2018

Field Sample #: C-4 | Sampled: 10/25/2018 11:30

Sample ID: 18J1300-04

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:26	KAL
Aroclor-1221 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:26	KAL
Aroclor-1232 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:26	KAL
Aroclor-1242 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:26	KAL
Aroclor-1248 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:26	KAL
Aroclor-1254 [2]	0.13	0.085	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:26	KAL
Aroclor-1260 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:26	KAL
Aroclor-1262 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:26	KAL
Aroclor-1268 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:26	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.5	30-150		10/30/18 3:26
Decachlorobiphenyl [2]	118	30-150		10/30/18 3:26
Tetrachloro-m-xylene [1]	86.1	30-150		10/30/18 3:26
Tetrachloro-m-xylene [2]	89.0	30-150		10/30/18 3:26

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Project Location: Durham, CT | Sample Description: | Work Order: 18J1300

Date Received: 10/25/2018

Field Sample #: C-5 | Sampled: 10/25/2018 11:40

Sample ID: 18J1300-05

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:43	KAL
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:43	KAL
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:43	KAL
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:43	KAL
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:43	KAL
Aroclor-1254 [2]	0.40	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:43	KAL
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:43	KAL
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:43	KAL
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:43	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.3	30-150		10/30/18 3:43
Decachlorobiphenyl [2]	104	30-150		10/30/18 3:43
Tetrachloro-m-xylene [1]	67.8	30-150		10/30/18 3:43
Tetrachloro-m-xylene [2]	70.8	30-150		10/30/18 3:43

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Project Location: Durham, CT | Sample Description: | Work Order: 18J1300

Date Received: 10/25/2018

Field Sample #: C-6 | Sampled: 10/25/2018 11:50

Sample ID: 18J1300-06

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:00	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:00	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:00	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:00	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:00	KAL
Aroclor-1254 [2]	0.41	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:00	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:00	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:00	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:00	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.1	30-150		10/30/18 4:00
Decachlorobiphenyl [2]	108	30-150		10/30/18 4:00
Tetrachloro-m-xylene [1]	73.0	30-150		10/30/18 4:00
Tetrachloro-m-xylene [2]	76.3	30-150		10/30/18 4:00

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Durham, CT | Sample Description: | Work Order: 18J1300

Date Received: 10/25/2018

Field Sample #: C-7 | Sampled: 10/25/2018 12:00

Sample ID: 18J1300-07

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:18	KAL
Aroclor-1221 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:18	KAL
Aroclor-1232 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:18	KAL
Aroclor-1242 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:18	KAL
Aroclor-1248 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:18	KAL
Aroclor-1254 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:18	KAL
Aroclor-1260 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:18	KAL
Aroclor-1262 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:18	KAL
Aroclor-1268 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:18	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	88.7	30-150		10/30/18	4:18
Decachlorobiphenyl [2]	109	30-150		10/30/18	4:18
Tetrachloro-m-xylene [1]	86.2	30-150		10/30/18	4:18
Tetrachloro-m-xylene [2]	90.1	30-150		10/30/18	4:18

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Project Location: Durham, CT | Sample Description: | Work Order: 18J1300

Date Received: 10/25/2018

Field Sample #: C-8 | Sampled: 10/25/2018 12:10

Sample ID: 18J1300-08

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:22	KAL
Aroclor-1221 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:22	KAL
Aroclor-1232 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:22	KAL
Aroclor-1242 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:22	KAL
Aroclor-1248 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:22	KAL
Aroclor-1254 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:22	KAL
Aroclor-1260 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:22	KAL
Aroclor-1262 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:22	KAL
Aroclor-1268 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:22	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.1	30-150		10/30/18 5:22
Decachlorobiphenyl [2]	115	30-150		10/30/18 5:22
Tetrachloro-m-xylene [1]	82.6	30-150		10/30/18 5:22
Tetrachloro-m-xylene [2]	85.2	30-150		10/30/18 5:22

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Durham, CT | Sample Description: | Work Order: 18J1300

Date Received: 10/25/2018

Field Sample #: C-32 | Sampled: 10/25/2018 12:20

Sample ID: 18J1300-09

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:39	KAL
Aroclor-1221 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:39	KAL
Aroclor-1232 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:39	KAL
Aroclor-1242 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:39	KAL
Aroclor-1248 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:39	KAL
Aroclor-1254 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:39	KAL
Aroclor-1260 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:39	KAL
Aroclor-1262 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:39	KAL
Aroclor-1268 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:39	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	90.1	30-150		10/30/18	5:39
Decachlorobiphenyl [2]	109	30-150		10/30/18	5:39
Tetrachloro-m-xylene [1]	77.0	30-150		10/30/18	5:39
Tetrachloro-m-xylene [2]	80.7	30-150		10/30/18	5:39

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Project Location: Durham, CT | Sample Description: | Work Order: 18J1300

Date Received: 10/25/2018

Field Sample #: C-33 | Sampled: 10/25/2018 12:30

Sample ID: 18J1300-10

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:56	KAL
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:56	KAL
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:56	KAL
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:56	KAL
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:56	KAL
Aroclor-1254 [2]	0.12	0.099	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:56	KAL
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:56	KAL
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:56	KAL
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:56	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.6	30-150		10/30/18 5:56
Decachlorobiphenyl [2]	112	30-150		10/30/18 5:56
Tetrachloro-m-xylene [1]	76.1	30-150		10/30/18 5:56
Tetrachloro-m-xylene [2]	78.4	30-150		10/30/18 5:56

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Durham, CT | Sample Description: | Work Order: 18J1300

Date Received: 10/25/2018

Field Sample #: C-34 | Sampled: 10/25/2018 12:40

Sample ID: 18J1300-11

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:14	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:14	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:14	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:14	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:14	KAL
Aroclor-1254 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:14	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:14	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:14	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:14	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.4	30-150		10/30/18 6:14
Decachlorobiphenyl [2]	121	30-150		10/30/18 6:14
Tetrachloro-m-xylene [1]	91.3	30-150		10/30/18 6:14
Tetrachloro-m-xylene [2]	94.5	30-150		10/30/18 6:14

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Project Location: Durham, CT | Sample Description: | Work Order: 18J1300

Date Received: 10/25/2018

Field Sample #: Dup-1 | Sampled: 10/25/2018 00:00

Sample ID: 18J1300-12

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.080	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:31	KAL
Aroclor-1221 [1]	ND	0.080	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:31	KAL
Aroclor-1232 [1]	ND	0.080	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:31	KAL
Aroclor-1242 [1]	ND	0.080	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:31	KAL
Aroclor-1248 [1]	ND	0.080	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:31	KAL
Aroclor-1254 [2]	0.11	0.080	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:31	KAL
Aroclor-1260 [1]	ND	0.080	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:31	KAL
Aroclor-1262 [1]	ND	0.080	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:31	KAL
Aroclor-1268 [1]	ND	0.080	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:31	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.4	30-150		10/30/18 6:31
Decachlorobiphenyl [2]	115	30-150		10/30/18 6:31
Tetrachloro-m-xylene [1]	84.0	30-150		10/30/18 6:31
Tetrachloro-m-xylene [2]	86.4	30-150		10/30/18 6:31

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Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18J1300-01 [C-1]	B215715	2.90	10.0	10/25/18
18J1300-02 [C-2]	B215715	2.42	10.0	10/25/18
18J1300-03 [C-3]	B215715	2.11	10.0	10/25/18
18J1300-04 [C-4]	B215715	2.36	10.0	10/25/18
18J1300-05 [C-5]	B215715	2.10	10.0	10/25/18
18J1300-06 [C-6]	B215715	2.22	10.0	10/25/18
18J1300-07 [C-7]	B215715	2.56	10.0	10/25/18
18J1300-08 [C-8]	B215715	2.13	10.0	10/25/18
18J1300-09 [C-32]	B215715	2.47	10.0	10/25/18
18J1300-10 [C-33]	B215715	2.02	10.0	10/25/18
18J1300-11 [C-34]	B215715	2.21	10.0	10/25/18
18J1300-12 [Dup-1]	B215715	2.49	10.0	10/25/18

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B215715 - SW-846 3540C										
Blank (B215715-BLK1)				Prepared: 10/25/18 Analyzed: 10/30/18						
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.978*		mg/Kg	1.00		97.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.29*		mg/Kg	1.00		129	30-150			
Surrogate: Tetrachloro-m-xylene	*0.936*		mg/Kg	1.00		93.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.02*		mg/Kg	1.00		102	30-150			
LCS (B215715-BS1)				Prepared: 10/25/18 Analyzed: 10/30/18						
Aroclor-1016	0.93	0.10	mg/Kg	1.00		93.5	40-140			
Aroclor-1016 [2C]	1.0	0.10	mg/Kg	1.00		103	40-140			
Aroclor-1260	0.88	0.10	mg/Kg	1.00		88.2	40-140			
Aroclor-1260 [2C]	1.0	0.10	mg/Kg	1.00		103	40-140			
Surrogate: Decachlorobiphenyl	*0.972*		mg/Kg	1.00		97.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.27*		mg/Kg	1.00		127	30-150			
Surrogate: Tetrachloro-m-xylene	*0.922*		mg/Kg	1.00		92.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.984*		mg/Kg	1.00		98.4	30-150			
LCS Dup (B215715-BSD1)				Prepared: 10/25/18 Analyzed: 10/30/18						
Aroclor-1016	1.0	0.10	mg/Kg	1.00		100	40-140	6.99	30	
Aroclor-1016 [2C]	1.1	0.10	mg/Kg	1.00		111	40-140	8.00	30	
Aroclor-1260	0.99	0.10	mg/Kg	1.00		98.6	40-140	11.1	30	
Aroclor-1260 [2C]	1.1	0.10	mg/Kg	1.00		114	40-140	10.0	30	
Surrogate: Decachlorobiphenyl	*1.06*		mg/Kg	1.00		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.36*		mg/Kg	1.00		136	30-150			
Surrogate: Tetrachloro-m-xylene	*0.957*		mg/Kg	1.00		95.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.02*		mg/Kg	1.00		102	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B215715 - SW-846 3540C										
Matrix Spike (B215715-MS1)	**Source: 18J1300-01**			Prepared: 10/25/18 Analyzed: 10/30/18						
Aroclor-1016	0.80	0.095	mg/Kg	0.948	ND	84.4	40-140			
Aroclor-1016 [2C]	0.89	0.095	mg/Kg	0.948	ND	94.0	40-140			
Aroclor-1260	0.70	0.095	mg/Kg	0.948	ND	74.0	40-140			
Aroclor-1260 [2C]	0.74	0.095	mg/Kg	0.948	ND	78.4	40-140			
Surrogate: Decachlorobiphenyl	*0.747*		mg/Kg	0.948		78.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.902*		mg/Kg	0.948		95.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.821*		mg/Kg	0.948		86.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.829*		mg/Kg	0.948		87.4	30-150			
Matrix Spike Dup (B215715-MSD1)	**Source: 18J1300-01**			Prepared: 10/25/18 Analyzed: 10/30/18						
Aroclor-1016	0.84	0.10	mg/Kg	1.00	ND	83.9	40-140	4.77	50	
Aroclor-1016 [2C]	0.88	0.10	mg/Kg	1.00	ND	87.6	40-140	1.70	50	
Aroclor-1260	0.75	0.10	mg/Kg	1.00	ND	74.9	40-140	6.51	50	
Aroclor-1260 [2C]	0.80	0.10	mg/Kg	1.00	ND	80.3	40-140	7.79	50	
Surrogate: Decachlorobiphenyl	*0.823*		mg/Kg	1.00		82.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.995*		mg/Kg	1.00		99.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.859*		mg/Kg	1.00		85.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.871*		mg/Kg	1.00		87.1	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

C-1

Lab Sample ID: 18J1300-01 Date(s) Analyzed: 10/30/2018 10/30/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.095	
	2	0.000	0.000	0.000	0.11	14.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

C-3

Lab Sample ID: 18J1300-03 Date(s) Analyzed: 10/30/2018 10/30/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.11	
	2	0.000	0.000	0.000	0.12	8.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

C-4

Lab Sample ID: 18J1300-04 Date(s) Analyzed: 10/30/2018 10/30/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.12	
	2	0.000	0.000	0.000	0.13	8.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

C-5

Lab Sample ID: 18J1300-05 Date(s) Analyzed: 10/30/2018 10/30/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.38	
	2	0.000	0.000	0.000	0.40	5.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

C-6

Lab Sample ID: 18J1300-06 Date(s) Analyzed: 10/30/2018 10/30/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.38	
	2	0.000	0.000	0.000	0.41	7.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Dup-1

Lab Sample ID: 18J1300-12 Date(s) Analyzed: 10/30/2018 10/30/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.099	
	2	0.000	0.000	0.000	0.11	10.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B215715-BS1 Date(s) Analyzed: 10/30/2018 10/30/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.93	
	2	0.000	0.000	0.000	1.0	6.2
Aroclor-1260	1	0.000	0.000	0.000	0.88	
	2	0.000	0.000	0.000	1.0	12.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B215715-BSD1 Date(s) Analyzed: 10/30/2018 10/30/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	1.0	
	2	0.000	0.000	0.000	1.1	9.5
Aroclor-1260	1	0.000	0.000	0.000	0.99	
	2	0.000	0.000	0.000	1.1	10.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B215715-MS1 Date(s) Analyzed: 10/30/2018 10/30/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.80	
	2	0.000	0.000	0.000	0.89	10.7
Aroclor-1260	1	0.000	0.000	0.000	0.70	
	2	0.000	0.000	0.000	0.74	5.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B215715-MSD1 Date(s) Analyzed: 10/30/2018 10/30/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.84	
	2	0.000	0.000	0.000	0.88	4.7
Aroclor-1260	1	0.000	0.000	0.000	0.75	
	2	0.000	0.000	0.000	0.80	6.5

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2020
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2020
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

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Fax: 413-525-6405
Email: info@contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 2

MEK

Company Name:	Weston & Sampson - CT (for Eversource Energy)
Address:	273 Dividend Road, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Eversource ER - Parsons Lane Durham
Project Location:	Durham, CT
Project Number:	
Project Manager:	Jeff Willson
Con-Test Bid:	n/a
Invoice Recipient:	Jeff Willson (Weston and Sampson)
Sampled By:	Will Sirotnak

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Other: Standard 5-day ☐

Rush Approval Required
1-Day ☐ 3-Day ☑
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: yellenl@wseinc.com
Fax To #:

ANALYSIS REQUESTED

PCBs via soxhlet extraction

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs via soxhlet extraction
1	C-1	10/25/18	1100		X	O	U	X
2	C-2		1110					X
3	C-3		1120					X
4	C-4		1130					X
5	C-5		1140					X
6	C-6		1150					X
7	C-7		1200					X
8	C-8		1210					X
9	C-9		1220					X
10	C-10	↓	1230		↓	↓	↓	X

# of Containers	
[2] Preservation Code	
[3] Container Code	

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

Comments:
Please send results to L. Yellen (yellenl@wseinc.com) at Weston & Sampson.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define)
Concrete

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature)	Date/Time: 10/25/18 1600	
Received by: (signature)	Date/Time: 1600 10-25-18	
Relinquished by: (signature)	Date/Time: 1730 10-25-18	
Received by: (signature) 10-25-18 17:30	Date/Time: 6:8	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Detection Limit Requirements
MA
CT CTDEEP RSRs (includes RES DEC and IC DEC)
Other:

Program Information
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

con-test® ANALYTICAL LABORATORY

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Fax: 413-525-6405
Email: info@contestlabs.com

187300

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 2 of 2

Company Name:	Weston & Sampson - CT (for Eversource Energy)
Address:	273 Dividend Road, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Eversource ER - Parsons Lane Durham
Project Location:	Durham, CT
Project Number:	
Project Manager:	Jeff Willson
Con-Test Bid:	n/a
Invoice Recipient:	Jeff Willson (Weston and Sampson)
Sampled By:	Will Sirotnak

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Other: Standard 5-day ☐

Rush Approval Required
1-Day ☐ 3-Day ☑
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: yellenl@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs via soxhlet extraction	1	I	A
11	C-11	10/24/18	1240		X	O	U	X			
12	Dup-1	1	—		X	O	U	X			

[2] Preservation Code
[3] Container Code

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
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O = Other (please define)
Concrete

[2] **Preservation Codes:**
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T = Tedlar Bag
O = Other (please define)

Comments:

Please send results to L. Yellen (yellenl@wseinc.com) at Weston & Sampson.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 10/25/18 1600	
Received by: (signature)	Date/Time: 10/25/18 1600	
Relinquished by: (signature)	Date/Time: 10-25-18 1730	
Received by: (signature)	Date/Time: 10-25-18 17:30 4.8	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Detection Limit Requirements
MA
GI — CTDEEP RSRs (includes RES DEC and IC DEC)
Other:

Program Information
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client: Weston & Sampson

Received By: ESO Date: 10-25-18 Time: 17:30

How were the samples received? In Cooler: T No Cooler: _____ On Ice: T No Ice: _____ Direct from Sampling: _____ Ambient: _____ Melted Ice: _____

Were samples within Temperature? 2-6°C: T By Gun #: 577 Actual Temp - 4.9 By Blank #: _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client: T Project: T Analysis ID's: T Sampler Name: T Collection Dates/Times: T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? T Who was notified? Mike R

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? NA Acid: _____ Base: _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	1
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	11
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

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October 30, 2018

Jeff Willson
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: Durham, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 18J1302

Enclosed are results of analyses for samples received by the laboratory on October 25, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Jeff Willson

REPORT DATE: 10/30/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18J1302

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Durham, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
R-1	18J1302-01	Product/Solid		SW-846 8082A	
R-2	18J1302-02	Product/Solid		SW-846 8082A	
R-3	18J1302-03	Product/Solid		SW-846 8082A	

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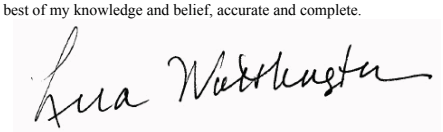
CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Durham, CT | Sample Description: | Work Order: 18J1302

Date Received: 10/25/2018

Field Sample #: R-1 | Sampled: 10/25/2018 10:30

Sample ID: 18J1302-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:48	KAL
Aroclor-1221 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:48	KAL
Aroclor-1232 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:48	KAL
Aroclor-1242 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:48	KAL
Aroclor-1248 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:48	KAL
Aroclor-1254 [2]	0.097	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:48	KAL
Aroclor-1260 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:48	KAL
Aroclor-1262 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:48	KAL
Aroclor-1268 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:48	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.4	30-150		10/30/18 6:48
Decachlorobiphenyl [2]	121	30-150		10/30/18 6:48
Tetrachloro-m-xylene [1]	93.9	30-150		10/30/18 6:48
Tetrachloro-m-xylene [2]	96.1	30-150		10/30/18 6:48

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Project Location: Durham, CT | Sample Description: | Work Order: 18J1302

Date Received: 10/25/2018

Field Sample #: R-2 | Sampled: 10/25/2018 10:40

Sample ID: 18J1302-02

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:05	KAL
Aroclor-1221 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:05	KAL
Aroclor-1232 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:05	KAL
Aroclor-1242 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:05	KAL
Aroclor-1248 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:05	KAL
Aroclor-1254 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:05	KAL
Aroclor-1260 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:05	KAL
Aroclor-1262 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:05	KAL
Aroclor-1268 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:05	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	86.5	30-150		10/30/18 7:05	
Decachlorobiphenyl [2]	106	30-150		10/30/18 7:05	
Tetrachloro-m-xylene [1]	90.2	30-150		10/30/18 7:05	
Tetrachloro-m-xylene [2]	92.1	30-150		10/30/18 7:05	

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Project Location: Durham, CT | Sample Description: | Work Order: 18J1302

Date Received: 10/25/2018

Field Sample #: R-3 | Sampled: 10/25/2018 10:50

Sample ID: 18J1302-03

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.073	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:23	KAL
Aroclor-1221 [1]	ND	0.073	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:23	KAL
Aroclor-1232 [1]	ND	0.073	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:23	KAL
Aroclor-1242 [1]	ND	0.073	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:23	KAL
Aroclor-1248 [1]	ND	0.073	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:23	KAL
Aroclor-1254 [1]	ND	0.073	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:23	KAL
Aroclor-1260 [1]	ND	0.073	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:23	KAL
Aroclor-1262 [1]	ND	0.073	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:23	KAL
Aroclor-1268 [1]	ND	0.073	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:23	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.7	30-150		10/30/18 7:23
Decachlorobiphenyl [2]	103	30-150		10/30/18 7:23
Tetrachloro-m-xylene [1]	95.1	30-150		10/30/18 7:23
Tetrachloro-m-xylene [2]	99.0	30-150		10/30/18 7:23

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Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18J1302-01 [R-1]	B215715	2.61	10.0	10/25/18
18J1302-02 [R-2]	B215715	2.60	10.0	10/25/18
18J1302-03 [R-3]	B215715	2.74	10.0	10/25/18

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B215715 - SW-846 3540C										
Blank (B215715-BLK1)				Prepared: 10/25/18 Analyzed: 10/30/18						
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.978*		mg/Kg	1.00		97.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.29*		mg/Kg	1.00		129	30-150			
Surrogate: Tetrachloro-m-xylene	*0.936*		mg/Kg	1.00		93.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.02*		mg/Kg	1.00		102	30-150			
LCS (B215715-BS1)				Prepared: 10/25/18 Analyzed: 10/30/18						
Aroclor-1016	0.93	0.10	mg/Kg	1.00		93.5	40-140			
Aroclor-1016 [2C]	1.0	0.10	mg/Kg	1.00		103	40-140			
Aroclor-1260	0.88	0.10	mg/Kg	1.00		88.2	40-140			
Aroclor-1260 [2C]	1.0	0.10	mg/Kg	1.00		103	40-140			
Surrogate: Decachlorobiphenyl	*0.972*		mg/Kg	1.00		97.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.27*		mg/Kg	1.00		127	30-150			
Surrogate: Tetrachloro-m-xylene	*0.922*		mg/Kg	1.00		92.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.984*		mg/Kg	1.00		98.4	30-150			
LCS Dup (B215715-BSD1)				Prepared: 10/25/18 Analyzed: 10/30/18						
Aroclor-1016	1.0	0.10	mg/Kg	1.00		100	40-140	6.99	30	
Aroclor-1016 [2C]	1.1	0.10	mg/Kg	1.00		111	40-140	8.00	30	
Aroclor-1260	0.99	0.10	mg/Kg	1.00		98.6	40-140	11.1	30	
Aroclor-1260 [2C]	1.1	0.10	mg/Kg	1.00		114	40-140	10.0	30	
Surrogate: Decachlorobiphenyl	*1.06*		mg/Kg	1.00		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.36*		mg/Kg	1.00		136	30-150			
Surrogate: Tetrachloro-m-xylene	*0.957*		mg/Kg	1.00		95.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.02*		mg/Kg	1.00		102	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

R-1

Lab Sample ID: 18J1302-01 Date(s) Analyzed: 10/30/2018 10/30/2018

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.092	
	2	0.000	0.000	0.000	0.097	5.3

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

MEK

con-test® ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

18T1302

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:	Weston & Sampson - CT (for Eversource Energy)
Address:	273 Dividend Road, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Eversource ER - Parsons Lane Durham
Project Location:	Durham, CT
Project Number:	
Project Manager:	Jeff Willson
Con-Test Bid:	n/a
Invoice Recipient:	Jeff Willson (Weston and Sampson)
Sampled By:	Will Sirotnak

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Other: Standard 5-day ☐

Rush Approval Required
1-Day ☐ 3-Day ☑
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: yellenl@wseinc.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	PCBs via soxhlet extraction											
1	R-1	10/25/18	1030		X	O	U	X											
2	R-2	↓	1040		↓	↓	↓	X											
3	R-3	↓	1050		↓	↓	↓	X											

ANALYSIS REQUESTED

1 | A | # of Containers
I | [2] Preservation Code
A | [3] Container Code

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define)
Stone

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:

Please send results to L. Yellen (yellenl@wseinc.com) at Weston & Sampson.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:	10/25/18 1600
Received by: (signature)	Date/Time:	10-24-18 1600
Relinquished by: (signature)	Date/Time:	1730 10-25-18
Received by: (signature)	Date/Time:	17:30 10.25.18
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Detection Limit Requirements
MA
CT — CTDEEP RSRs (includes RES DEC and IC DEC)
Other:

Program Information
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston & Sampson

Received By ESD Date 10-25-18 Time 17:30

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 577 Actual Temp - 4.8
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Project T Analysis T ID's T Sampler Name T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F
Are there Rushes? T Who was notified? Mike R.
Are there Short Holds? F Who was notified? _____
Is there enough Volume? T
Is there Headspace where applicable? F MS/MSD? F
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? F On COC? F
Do all samples have the proper pH? NA Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	3
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: Durham, CT

Project Number: 18J1302

Laboratory Sample ID(s):

18J1302-01 thru 18J1302-03

Sample Date(s):

10/25/2018

List RCP Methods Used:

SW-846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

Lisa A. Worthington

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Lisa Worthington **Position:** Project Manager

Printed Name: Lisa A. Worthington **Date:** 10/30/18

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 28, 2018

FOR: Attn: Mr. Jeff Willson
Weston & Sampson
273 Dividend Rd
Rocky Hill, CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	RAW WATER	Collected by:		11/20/18	9:00
Location Code:	WESTSAMP	Received by:	CP	11/21/18	11:44
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCC01512
Phoenix ID: CC01512

Project ID: PARSON LN
Client ID: SP-1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Extraction	Completed				11/21/18		SW3510C
Polychlorinated Biphenyls							
PCB-1016	ND	0.47	ug/L	1	11/28/18	AW	SW8082A
PCB-1221	ND	0.47	ug/L	1	11/28/18	AW	SW8082A
PCB-1232	ND	0.47	ug/L	1	11/28/18	AW	SW8082A
PCB-1242	ND	0.47	ug/L	1	11/28/18	AW	SW8082A
PCB-1248	ND	0.47	ug/L	1	11/28/18	AW	SW8082A
PCB-1254	ND	0.47	ug/L	1	11/28/18	AW	SW8082A
PCB-1260	ND	0.47	ug/L	1	11/28/18	AW	SW8082A
PCB-1262	ND	0.47	ug/L	1	11/28/18	AW	SW8082A
PCB-1268	ND	0.47	ug/L	1	11/28/18	AW	SW8082A
QA/QC Surrogates							
% DCBP	76		%	1	11/28/18	AW	30 - 150 %
% TCMX	74		%	1	11/28/18	AW	30 - 150 %

Project ID: PARSON LN
Client ID: SP-1

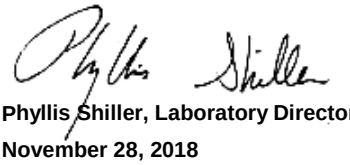
Phoenix I.D.: CC01512

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director
November 28, 2018
Official Report Release To Follow

Wednesday, November 28, 2018

Sample Criteria Exceedances Report

GCC01512 - WESTSAMP

Criteria: CT: GAM, GBM, GWP, I/C, RC, SWP

State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Cooler: Yes [X] No [ ]
Coolant: IPK [X] ICE [ ] No [ ]

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp: 1.3 C Pg of

Data Delivery/Contact Options:
[ ] Fax:
[ ] Phone:
[X] Email:

Customer: WESTON 3 SAMPSON
Address: 273 Dividend Rd
Raley Hill CT

Project: Pawson LN
Report to: Jeff Willson
Invoice to: Jeff Willson

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature _____ Date: _____

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe **OIL**=Oil
B=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	PCB's (soil/wet)	GL Amber 8 oz w/H3PO4	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [X] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
01512	SP-1	RW	11/20	900	X						1						

Relinquished by:	Accepted by:	Date:	Time:
		11/20/18	7:50
		11/21/18	1144

Comments, Special Requirements or Regulations:
Septic water
Email to willsonj@wseinc.com
barvetta@wseinc.com

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[ ] Standard
[ ] Other
* SURCHARGE APPLIES

RI
[ ] Direct Exposure (Residential)
[ ] GW
[ ] Other

CT
[X] RCP Cert
[X] GW Protection
[X] SW Protection
[X] GA Mobility
[X] GB Mobility
[X] Residential DEC
[X] I/C DEC
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1
[ ] GW-2
[ ] GW-3
[ ] S-1
[ ] S-2
[ ] S-3
[ ] MWRA eSMART
[ ] Other

State where samples were collected: _____

Data Format
[X] Excel
[X] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[ ] Phoenix Std Report
[ ] Other
* SURCHARGE APPLIES

Cooler: Yes ☒ No ☐
Coolant: IPK ☒ ICE ☐ No ☐

Temp 1.2 °C Pg of

CHAIN OF CUSTODY RECORD

PHOENIX *Environmental Laboratories, Inc.*

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-8726
Client Services (860) 645-8726

Data Delivery/Contact Options:
☐ Fax:
☐ Phone:
☒ Email:

Customer: WESTON & SAMPSON
Address: 273 Dividend Rd Rocky Hill CT

Project: Barbour Ln
Report to: Jeff Willson
Invoice to: Jeff Willson

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature _____ Date: _____

Matrix Code:
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe OIL=Oil
B=Bulk L=Liquid

Analysis Request: PCBs (Soxhlet)

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	GL Amber 8 oz wH3PO4	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container [ ] oz	GL Soil container [ ] oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [X] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
01512	SP-1	RW	11/20	900	X					2						

Relinquished by:	Accepted by:	Date:	Time:
		11/20/18	7:50
		11/21/18	1144

Comments, Special Requirements or Regulations:
Septic water
Email to willsonj@wseinc.com
barvett@wseinc.com

Turnaround:
☐ 1 Day*
☐ 2 Days*
☒ 3 Days* (AW)
☐ Standard
☐ Other
* SURCHARGE APPLIES

RI
☐ Direct Exposure (Residential)
☐ GW
☐ Other

CT
☑ RCP Cert
☑ GW Protection
☑ SW Protection
☑ GA Mobility
☑ GB Mobility
☑ Residential DEC
☑ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

State where samples were collected: _____

Data Format
☑ Excel
☑ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist
☐ Full Data Package*
☐ Phoenix Std Report
☐ Other
* SURCHARGE APPLIES

Bobbi Aloisa

From: Barrett, Abigail <BarrettA@wseinc.com>
Sent: Monday, November 26, 2018 12:28 PM
To: Bobbi Aloisa
Subject: Re: Weston & Sampson Samples

Yes please. Sorry it was supposed to be marked as rush.

Get Outlook for iOS

From: Bobbi Aloisa <bobbi@phoenixlabs.com>
Sent: Monday, November 26, 2018 12:27 PM
To: Barrett, Abigail
Subject: RE: Weston & Sampson Samples

The chain is not marked for a rush. Would you like me to change it to rush? 3 day rush would have put it due on the 28th

LMK

GCC01512

Bobbi Aloisa
Vice President
Director of Client Services
Phoenix Environmental Laboratories
587 East Middle Turnpike
Manchester, CT 06040
Ph: 860-645-8728

From: Barrett, Abigail [mailto:BarrettA@wseinc.com]
Sent: Monday, November 26, 2018 11:44 AM
To: Bobbi Aloisa
Subject: Weston & Sampson Samples

Hi Bobbi,

I was wondering if you were able to give me an update on the Septic sample (Durham, CT) that was picked up Wednesday 11/21. We had a 3 day TAT on that, I know the holidays get in the way of that but our client was just looking for an update.

Thank you,

Abigail Barrett
GEOLOGIST



237 Dividend Rd
Rocky Hill, CT
www.westonandsampson.com
Office: 508-762-1676 x2502
Direct: 860-956-6949

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con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

April 22, 2019

Jeff Willson
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: Durham, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 18K0972

Enclosed are results of analyses for samples received by the laboratory on November 21, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

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con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Jeff Willson

REPORT DATE: 4/22/2019

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18K0972

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Durham, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
GP-1 (6-7)	18K0972-01	Soil		SM 2540G	
				SW-846 8082A	
GP-2 (6-7)	18K0972-02	Soil		SM 2540G	
				SW-846 8082A	
GP-3 (6-7)	18K0972-03	Soil		SM 2540G	
				SW-846 8082A	
GP-4 (6-7)	18K0972-04	Soil		SM 2540G	
				SW-846 8082A	
GP-5 (6-7)	18K0972-05	Soil		SM 2540G	
				SW-846 8082A	
GP-6 (6-7)	18K0972-06	Soil		SM 2540G	
				SW-846 8082A	
DUP-4	18K0972-07	Soil		SM 2540G	
				SW-846 8082A	

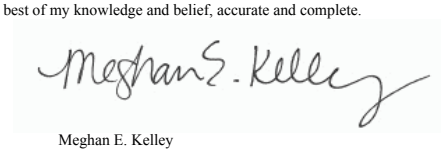
con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT- 4/22/19- 18K0972-07 sample ID revised per clients request.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Durham, CT | Sample Description: | Work Order: 18K0972

Date Received: 11/21/2018

Field Sample #: GP-1 (6-7) | Sampled: 11/20/2018 12:00

Sample ID: 18K0972-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:40	JMB
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:40	JMB
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:40	JMB
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:40	JMB
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:40	JMB
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:40	JMB
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:40	JMB
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:40	JMB
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:40	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.4	30-150		11/26/18 16:40
Decachlorobiphenyl [2]	93.6	30-150		11/26/18 16:40
Tetrachloro-m-xylene [1]	79.2	30-150		11/26/18 16:40
Tetrachloro-m-xylene [2]	88.8	30-150		11/26/18 16:40

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Project Location: Durham, CT | Sample Description: | Work Order: 18K0972

Date Received: 11/21/2018

Field Sample #: GP-1 (6-7) | Sampled: 11/20/2018 12:00

Sample ID: 18K0972-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.1		% Wt	1		SM 2540G	11/26/18	11/26/18 23:19	AVF

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Project Location: Durham, CT | Sample Description: | Work Order: 18K0972

Date Received: 11/21/2018

Field Sample #: GP-2 (6-7) | Sampled: 11/20/2018 12:30

Sample ID: 18K0972-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:58	JMB
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:58	JMB
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:58	JMB
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:58	JMB
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:58	JMB
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:58	JMB
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:58	JMB
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:58	JMB
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:58	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.6	30-150		11/26/18 16:58
Decachlorobiphenyl [2]	109	30-150		11/26/18 16:58
Tetrachloro-m-xylene [1]	77.5	30-150		11/26/18 16:58
Tetrachloro-m-xylene [2]	87.3	30-150		11/26/18 16:58

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Project Location: Durham, CT | Sample Description: | Work Order: 18K0972

Date Received: 11/21/2018

Field Sample #: GP-2 (6-7) | Sampled: 11/20/2018 12:30

Sample ID: 18K0972-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.6		% Wt	1		SM 2540G	11/26/18	11/26/18 23:19	AVF

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Project Location: Durham, CT | Sample Description: | Work Order: 18K0972

Date Received: 11/21/2018

Field Sample #: GP-3 (6-7) | Sampled: 11/20/2018 13:00

Sample ID: 18K0972-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:16	JMB
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:16	JMB
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:16	JMB
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:16	JMB
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:16	JMB
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:16	JMB
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:16	JMB
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:16	JMB
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:16	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.0	30-150		11/26/18 17:16
Decachlorobiphenyl [2]	99.6	30-150		11/26/18 17:16
Tetrachloro-m-xylene [1]	78.5	30-150		11/26/18 17:16
Tetrachloro-m-xylene [2]	88.1	30-150		11/26/18 17:16

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Project Location: Durham, CT | Sample Description: | Work Order: 18K0972

Date Received: 11/21/2018

Field Sample #: GP-3 (6-7) | Sampled: 11/20/2018 13:00

Sample ID: 18K0972-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.1		% Wt	1		SM 2540G	11/26/18	11/26/18 23:19	AVF

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Project Location: Durham, CT | Sample Description: | Work Order: 18K0972

Date Received: 11/21/2018

Field Sample #: GP-4 (6-7) | Sampled: 11/20/2018 13:30

Sample ID: 18K0972-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:35	JMB
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:35	JMB
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:35	JMB
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:35	JMB
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:35	JMB
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:35	JMB
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:35	JMB
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:35	JMB
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:35	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.4	30-150		11/26/18 17:35
Decachlorobiphenyl [2]	102	30-150		11/26/18 17:35
Tetrachloro-m-xylene [1]	83.1	30-150		11/26/18 17:35
Tetrachloro-m-xylene [2]	93.8	30-150		11/26/18 17:35

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Project Location: Durham, CT | Sample Description: | Work Order: 18K0972

Date Received: 11/21/2018

Field Sample #: GP-4 (6-7) | Sampled: 11/20/2018 13:30

Sample ID: 18K0972-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.1		% Wt	1		SM 2540G	11/26/18	11/26/18 23:20	AVF

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Project Location: Durham, CT | Sample Description: | Work Order: 18K0972

Date Received: 11/21/2018

Field Sample #: GP-5 (6-7) | Sampled: 11/20/2018 14:00

Sample ID: 18K0972-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:53	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:53	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:53	JMB
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:53	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:53	JMB
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:53	JMB
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:53	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:53	JMB
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:53	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.5	30-150		11/26/18 17:53
Decachlorobiphenyl [2]	107	30-150		11/26/18 17:53
Tetrachloro-m-xylene [1]	86.2	30-150		11/26/18 17:53
Tetrachloro-m-xylene [2]	97.3	30-150		11/26/18 17:53

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Project Location: Durham, CT | Sample Description: | Work Order: 18K0972

Date Received: 11/21/2018

Field Sample #: GP-5 (6-7) | Sampled: 11/20/2018 14:00

Sample ID: 18K0972-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.2		% Wt	1		SM 2540G	11/26/18	11/26/18 23:20	AVF

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Project Location: Durham, CT | Sample Description: | Work Order: 18K0972

Date Received: 11/21/2018

Field Sample #: GP-6 (6-7) | Sampled: 11/20/2018 14:30

Sample ID: 18K0972-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:11	JMB
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:11	JMB
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:11	JMB
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:11	JMB
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:11	JMB
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:11	JMB
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:11	JMB
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:11	JMB
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:11	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.8	30-150		11/26/18 18:11
Decachlorobiphenyl [2]	105	30-150		11/26/18 18:11
Tetrachloro-m-xylene [1]	79.7	30-150		11/26/18 18:11
Tetrachloro-m-xylene [2]	89.6	30-150		11/26/18 18:11

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Project Location: Durham, CT | Sample Description: | Work Order: 18K0972

Date Received: 11/21/2018

Field Sample #: GP-6 (6-7) | Sampled: 11/20/2018 14:30

Sample ID: 18K0972-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.7		% Wt	1		SM 2540G	11/26/18	11/26/18 23:20	AVF

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Project Location: Durham, CT | Sample Description: | Work Order: 18K0972

Date Received: 11/21/2018

Field Sample #: DUP-4 | Sampled: 11/20/2018 00:00

Sample ID: 18K0972-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:29	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:29	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:29	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:29	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:29	JMB
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:29	JMB
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:29	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:29	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:29	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.6	30-150		11/26/18 18:29
Decachlorobiphenyl [2]	106	30-150		11/26/18 18:29
Tetrachloro-m-xylene [1]	83.3	30-150		11/26/18 18:29
Tetrachloro-m-xylene [2]	93.8	30-150		11/26/18 18:29