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DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION
REMEDIATION DIVISION
LEAKING UNDERGROUND STORAGE TANK COORDINATION PROGRAM
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Part I: Primary Recipient*: Remediation Program (* required)

For Remediation documents:	For LUST documents:
Primary Program*: Significant Environmental Hazard	UST Facility ID:
Rem ID*: 8557	Spill Case Number:

Part II: Site Information

Site Name*: Hunts Brook Property
Site Address*: 128 Moxley Road
City/Town*: Montville State: CT Zip Code: 06382

Secondary Programs (complete as many as applicable for this document):

Program: Select Secondary Program	Project ID:
Program: Select Secondary Program	Project ID:
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Provide Project ID for each secondary program if it is known.
Each program has a unique ID (i.e. Rem ID, Spill Case #, UST Facility ID, etc.)

Part III: Document Information (document type required for appropriate program[s] only)

Remediation*: Subsurface Investigation Report
LUST*: LUST Document Type
Date of Document*: 10/20/2021 Version: Supplemental

Part IV: Submitter Information

Name*: James T. Olsen, PG, LEP
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Name of company/business this document is being submitted on behalf of: *
CL&P dba Eversource Energy (Eversource)



Tighe&Bond

128 Moxley Road
Village of Uncasville,
Montville, Connecticut

Supplemental Site Investigation

Prepared For:

The Connecticut Light and Power Company

October 2021

Tighe&Bond

14-0754-120

October 20, 2021

Michael Senyk
Environmental Analyst
Department of Energy and Environmental Protection
79 Elm Street
Hartford, CT 06106

Re: **Supplemental Site Investigation Report**
Hunts Brook Property
128 Moxley Road
Uncasville, Montville, CT 06382
REM ID: 8557

Dear Mr. Senyk,

Please find enclosed the Supplement Site Investigation (SI) report for the property located at 128 Moxley Road, Uncasville, Montville, Connecticut for your use.

If you have any questions, please contact Rick Gille at (860)-704-4760 or via email or rgille@tighebond.com or Jim Olsen at 860-704-4761 or via email at JTOlsen@tighebond.com.

Very truly yours,

TIGHE & BOND, INC.

Richard T Gille, LEP
Project Manager

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Vice President

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Tighe&Bond

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Section 1
Introduction

Tighe & Bond, Inc. (Tighe & Bond) has prepared this Supplemental Site Investigation (SSI) report for The Connecticut Light and Power Company (CL&P) dba Eversource Energy (Eversource) for the property located at 128 Moxley Road in the village of Uncasville, Montville, Connecticut (the Site). The Site encompasses 14.43-acres and is located on the southern side of Moxley Road. Figure 1 depicts the location of the Site. The Site is currently an undeveloped, overgrown, and wooded area and is primarily defined by a lobe-shaped deposit of ash material. Wetlands surround the Site to the east, west and south. Two ponds are located on the east and west of the Site. From 1962 to circa 1968, coal ash and associated materials from the former CL&P Montville Generating Station were reportedly deposited in the swampy area of the property. The Site is currently owned by CL&P.

The SSI was conducted to evaluate previously identified Significant Environmental Hazard (SEH) conditions at the Site. This SSI was conducted in accordance with the Connecticut Department of Energy and Environmental Protection (CTDEEP) Site Characterization Guidance Document (SCGD), dated September 2007, revised December 2010.

Section 2
Objectives

In May 2007, Northeast Utilities Service Company (NUSCO) on behalf of CL&P submitted an SEH Notification Report to CTDEEP for two SEH conditions, Drinking Water Well Is Threatened by A Groundwater Pollution Plume (Connecticut General Statute [CGS] Section 22a-6u(g) and Surface Water Threatened (CGS Section 22a-6u(f)). Concentrations of several metals including arsenic, beryllium, cadmium, and thallium were detected in onsite monitoring wells within 500 feet upgradient of a public or private drinking water supply well at concentrations that exceed the Groundwater Protection Criteria (GWPC).

The objective of the SSI was to further evaluate the SEH conditions in groundwater identified at the Site in 2007. The SSI also included the collection of seasonal groundwater and surface water samples at the Site to evaluate seasonal trends in metals concentrations and groundwater flow. During a review of previous soil data, Tighe & Bond identified an SEH condition for arsenic at three locations across the Site. The extent of these SEH concentrations were delineated as part of the Supplement SI. A potable well receptor survey was also conducted for the area in the vicinity of the Site.

Section 3
Site Description and Environmental Setting

3.1 Location

The Site consists of a single parcel of land located along the southern side of Moxley Road in the village of Uncasville, Montville, Connecticut as shown on Figure 1.

The Site is owned by CL&P and is identified by the Town of Montville Tax Assessor's Office as Map 10, Lot 8 with a total acreage of 14.43 acres.

The Site is currently an undeveloped, overgrown, and wooded area. The Site is primarily defined by a lobe-shaped deposit of ash material. Wetlands surround the Site to the east, west and south. Two ponds are located on the east and west of the Site. Ash deposits reportedly extend into the adjacent wetlands based on a 2007 Site Investigation Report prepared by Vanasse Hangen Brustlin, Inc. (VHB). Most of the Site and the property are mapped within the 100-year Federal Emergency Management Agency (FEMA) flood zone (Zone A) except for the northern portion of the Site near Moxley Road. According to CTDEEP mapping, the Site is located in a GA groundwater area. GA groundwater areas are designated for potential drinking water supply; fish and wildlife habitat; recreational use; agricultural and industrial supply and other legitimate uses including navigation. The Site and surrounding area are zoned residential (R-40) by the Town of Montville, which is designated as medium to high density residential development.

Access to the Site is provided by a locked, chain-link fence at the northern Site boundary. Large boulders are also located at the entrance to the Site along Moxley Road to the north. A residential property, 126 Moxley Road, abuts the Site/property to the east and a residence and horse stable, Bit by Bit Stable, are located adjacent to the Site/ property to the west at 132 Moxley Road. A wooded residential lot, 131 Moxley Road, is located to the north of Moxley Road. Interstate-395 (I-395) and associated right-of-way (ROW) abuts the Site to the south.

3.2 Site History and Previous Environmental Investigations

From 1962 to circa 1968, ash materials from the former CL&P Montville Generating Station were reportedly deposited in the swampy area of the Site. This area encompasses approximately 5-acres in the central portion of the 14.43-acre property. The limits of the ash material are shown on Figure 2.

Environmental investigations conducted by CTDEEP in 2006 and summarized in the Subsurface Investigation Report prepared by CTDEEP dated April 24, 2006 and VHB on behalf of NU/CL&P in 2007 and summarized in the Site Investigation Report prepared by VHB dated August 2007 confirmed the presence of ash materials in soils at the Site. Previous sample locations are provided on Figure 2. Ash materials were encountered in soils to depths ranging from 7 feet to 17 feet below grade surface (ftbgs) at the Site. Concentrations of metals in the ash material were above the established CTDEEP Remediation Standard Regulation (RSR) soil and groundwater criteria. Arsenic was detected above the Residential Direct Exposure Criteria (Res DEC) in soil samples collected from 1 foot to 12 ftbgs collected during the 2006 CTDEEP Subsurface Investigation and the 2007 Site Investigation. Sporadic detections of thallium and

beryllium were also detected above the Res DEC. Concentrations of leachable metals were generally not detected with the exception of sporadic detections of arsenic, barium, nickel and selenium at B-4, MW-101 and MW-102 sample locations.

Metals including arsenic, beryllium, cadmium, copper, lead, mercury, nickel, thallium and/or zinc were detected above the Groundwater Protection Criteria (GWPC) and/or the Surface Water Protection Criteria (SWPC) in groundwater samples collected from each of the monitoring wells during previous investigations. Groundwater was assessed using 1-inch diameter monitoring wells during the previous investigations.

Metals including arsenic, beryllium, copper, nickel and zinc were detected in surface water samples collected from the adjacent wetlands at concentrations that exceeded the freshwater acute life criteria and/or human health criteria, collectively referred to as CTDEEP Water Quality Standards (WQSs). Elevated concentrations of metals were also detected in sediments collected from the adjacent wetlands.

In 2006, CTDEEP sampled the bedrock water supply wells located at 126 Moxley Road and 132 Moxley Road. Following the sampling, the CTDEEP concluded that the bedrock water supplies were potable at both residences. However, CTDEEP identified an elevated level of radon in the bedrock well at 132 Moxley Road.

On May 29, 2007, NU/CL&P submitted an SEH Notification Report to CTDEEP. CTDEEP subsequently issued an Acknowledgement Letter for the Notification of the SEH at the Ash Disposal Site at 128 Moxley Road, Montville, CT to NU/CL&P on June 12, 2007 (SEH Acknowledgement Letter). In the SEH Acknowledgement Letter, CTDEEP requested the following actions be undertaken:

- Determine if the dug well at 132 Moxley Road was in use at the property. If in use, it was requested that NU sample the well immediately, and on a quarterly basis for pH and for all metals (total and dissolved) that currently exceed for Connecticut Department of Health (CTDPH) Drinking Water Action Levels and the GWPC.
- Permanently fence and install signs for the contaminated area, evaluate whether the farm ponds and dug well located to the west of the Site (132 Moxley Road) have been impacted by the ash disposal area and develop a plan to abate surface water and groundwater impacts.

On June 22, 2007, NU/CL&P reported that the dug well was used as the drinking water source for the 132 Moxley Road residence. NU/CLP collected a water sample from the kitchen tap of the residence and the farm pond directly to the south of the residence. Metals were not detected above the GWPC or CTDPH drinking water action levels in the dug well or the farm pond. NU/CL&P provided the sample results to CTDEEP on July 9, 2007 and the results were provided to the property owners. No additional sampling result information was identified in CTDEEP or Eversource records for the water supply wells at 126 Moxley Road or 132 Moxley Road properties. In 2015, NU/CL&P installed a chain-link fence along Moxley Road.

The Site is currently identified as the "Ash Disposal Site" at 128 Moxley Road, Montville, Connecticut in the *CTDEEP's List of Significant Environmental Hazards Reported to CTDEEP* dated February 28, 2019. The list includes the following information relative to the Site: Nearby drinking water wells were sampled, and pollutants associated with the Site were not detected. An on-going evaluation of the surface water body was being conducted.

3.3 Environmental Setting

3.3.1 Geology

Surficial Geology

According to the Natural Resources Conservation Service (NRCS) Web Soil Survey (WSS) for the State of Connecticut (NRCS Webpage, 2018), the Site is identified as approximately 80% Udorthents-Urban Land complex under much of the Site, 10% Ridgebury, Leicester, and Whitman soils located on the eastern portion of the Site, 5% Charlton-Chatfield complex located on the northeastern portion of the Site, and 5% Haven and Enfield soils located on the southern portion of the Site.

According to the NRCS urban land consists of material that has been extensively filled or reworked and is mostly covered with impervious surfaces. Ridgebury, Leicester, and Whitman soils consist of poorly drained soils originating from lodgment till. Charlton-Chatfield complex soils consist of rocky materials deposited from trill transported through glacial melt water. Haven and Enfield soils consist of well drained soils deposited from glaciofluvial processes

According to the *Surficial Materials Map of Connecticut* (United States Geological Survey (USGS)/Department of Environmental Protection, Connecticut Geological and Natural History Survey, 1992), and CTDEEP Geographic Information Systems (GIS) surficial materials data, surficial materials beneath the Site are composed of till, alluvium sand overlying sand and gravel, and swamp. The soils observed during this SSI consisted of primarily of silty sand in monitoring wells MW-104R and MW-105R and fine to medium sand in monitoring well MW-101R.

Bedrock Geology

According to the *Bedrock Geologic Map of Connecticut* (U.S. Geological Survey, 1985), the northern portion of the Site is located within the Hope Valley Alaskite Gneiss. The USGS Mineral resources spatial data for Connecticut on-line describes this unit as light pink to gray, medium- to coarse-grained granitic gneiss. The middle portion of the Site is located within the Plainfield Formation. The USGS Mineral resources spatial data for Connecticut on-line describes this unit as an interlayered thinly bedded quartzite, mica schist, and dark grey gneiss. The southern portion of the Site is located within the Potter Hill Granite Gneiss. The USGS Mineral resources spatial data for Connecticut on-line describes this unit as light pink to gray, fine- to medium-grained granitic gneiss. Bedrock was not encountered during the monitoring well reinstallation activities to a depth of 15 ftbgs.

3.3.2 Groundwater

According to the CTDEEP Bureau of Water Protection and Land Reuse, groundwater at the Site is classified as GA. CTDEEP Water Quality Standards (effective April 12, 1996, revised 11-21-2015) indicate that GA classification is designated for uses including existing private and potential public or private supplies and base flow for hydraulically connected surface water bodies. GA classified groundwater is presumed suitable for human consumption without treatment.

The Site is not mapped within an Aquifer Protection Area (APA) identified by the CTDEEP. APAs are intended to protect high-yield public water supply well fields by identifying the area contributing groundwater to the wells, and then regulating land use in those areas.

3.3.3 Surface Water

Two unnamed ponds are located on the east and west of the Site. According to CTDEEP, these ponds are classified as class A waterbodies. CTDEEP indicates that class A surface water is designated for use as a potential drinking water supply; fish and wildlife habitat; recreational use; agricultural and industrial supply and other legitimate uses including navigation

3.3.4 Flood Plains and Wetlands

A review of the FEMA Flood Insurance Maps indicates that the southern portion of the Site is located within Zone A and a base flood elevation has not been developed. The northern portion of the Site along Moxley Road is not located within a flood zone.

According to the National Wetlands Inventory and CTDEEP Wetlands GIS databases, wetlands surround the Site to the east, west and south.

3.3.5 Ecological Receptors and Endangered Species

CTDEEP mapping for Natural Diversity Data Base Areas in the vicinity of the Site was reviewed. The Site is not located within a listed species or natural community area.

3.3.6 Topography

The Site topography is relatively flat along the ash fill in the center of the Site. The topography slopes down from the fill pile in the east, south, and west sides towards the wetlands and unnamed ponds.

Section 4
CTDEEP and Local File Review

Tighe & Bond reviewed the available information on-file at the CTDEEP Public File Room for the Site. A summary of the pertinent information regarding the Site and drinking water sampling results from adjacent properties has been provided above in Section 3.2. Tighe & Bond also requested information regarding the Site from the Montville Town Hall and the Uncas Health Department. No additional information was obtained from the Town Hall or Heath Department.

Section 5
Supplemental Site Investigation Activities

5.1 Site Condition

The Site has remained unchanged since the 2007 investigation completed by VHB. The Site is covered with dense vegetation and mature trees. The banks of the Site at the edges of the surface water appear to be stable and signs of erosion were not observed at the Site during the completion of the Supplement SI.

5.2 Monitoring Well Installation and Development

On December 18, 2019, Cisco Geotechnical, LLC (Cisco) of Glastonbury, Connecticut installed three monitoring wells (MW-101R, MW-104R, and MW-105R) under the supervision of Tighe & Bond. The three groundwater monitoring wells were installed using a Geoprobe® 7822DT track-mounted rig and flush joint casing. The wells were constructed of 2-inch diameter 10-slot PVC well screen and were installed to a depth ranging from 13 to 15 ftbgs using #00 filter sand pack and bentonite to seal. Each of the wells were completed with a 4" diameter metal standpipe. Depth to groundwater at the Site was observed during drilling activities to range from two to five ftbgs.

Soils from each of the monitoring well locations were evaluated in the field using a two-step approach:

- Physical characteristics of soils at each location were observed and documented using the modified Burmeister soil classification method. Descriptions are included on the boring logs in Appendix A.
- Soils from the five-foot macro-core sampler were -screened in the field using a Photoionization Detector (PID) to measure VOCs and were observed for visual and olfactory indications of contamination.

The groundwater monitoring wells were developed by Tighe & Bond following installation on December 18, 2019. Each well was developed to remove fines using a surge block and a whale pump. At least five well volumes were removed from each well during development.

Due to excessive fines remaining in the monitoring wells following development on December 18, 2019, Tighe & Bond returned to the Site on December 20, 2019 to further develop the monitoring wells using a surge block and a whale pump.

The soils generated during monitoring well installation and purge water generated during the monitoring well development were stored in labeled 55-gallon closed top steel drums. The drums were staged at the entrance to the Site behind the existing chain-link fence along Moxley Road on a covered drum pad.

5.3 Groundwater Monitoring Well Survey

On January 8, 2020, Tighe & Bond oversaw Kratzert, Jones, and Associates of Milldale, CT (KJA) who conducted an elevation survey of the previously installed VHB monitoring wells (MW-100 through MW-106), the newly installed monitoring wells (MW-101R, MW-104R, and MW-105R), and three existing surface water gauges. Elevations were based on the North American Vertical Datum of 1988 (NAVD88).

5.4 Groundwater Sampling & Gauging

Tighe & Bond conducted four consecutive quarterly groundwater sampling events of the three newly installed monitoring wells on January 8, 2020 (Q1), May 5, 2020 (Q2), July 28, 2020 (Q3), and November 5, 2020 (Q4). Groundwater sampling was conducted following low flow sampling procedures in general accordance with the CTDEEP's *Site Characterization Guidance Document* dated September 2007 (revised December 2010) and Region I EPA's *Low Stress (low flow) Purging and Sampling Procedure* (revised January 19, 2010).

Purging and sampling were performed using a peristaltic pump and dedicated polyethylene tubing. Dissolved samples were collected using dedicated 0.45-micron filters. Purged water volumes were based on the rate of stabilization of field-measured water quality parameters, including dissolved oxygen, specific conductance, temperature, pH, turbidity, and oxidation/reduction potential. Field parameters, purging rates and water levels were measured and recorded at five-minute intervals. Upon stabilization of the groundwater parameters, the groundwater samples were collected in the appropriate laboratory supplied containers and were immediately stored in a cooler with ice. The samples were then transported by Tighe & Bond staff to Con-Test Analytical Laboratories (now Pace Analytical) of East Longmeadow, MA (Contest) for analysis. Copies of the low-flow ground water sampling logs are included in Appendix B.

Groundwater samples were collected from the monitoring wells and submitted to Contest for laboratory analysis of the following:

- Total and dissolved RCP Metals using EPA Method 6020B (mercury via 7470A, thallium via 6020B)
- Total and dissolved iron using EPA method 6010D
- Total and dissolved manganese using EPA method 6020B
- pH using Standard Methods 4500-H+B

Concurrently with the groundwater sampling event, each of the sampled groundwater monitoring wells were gauged for depth to water prior to purging activities. In addition, each of the existing VHB monitoring wells were also gaged for depth to water. Groundwater elevations measured during the four quarters ranged from a maximum of 105.63 feet during the Quarter 2 sampling event to a minimum of 95.14 during the Quarter 4 sampling event. Groundwater elevations are summarized in Table 1.

Due to the mix of 1-inch and 2-inch PVC monitoring wells, groundwater contours were generated from the 2-inch PVC monitoring wells only (MW-101R, MW-104R, and MW-105R). Based on the measured groundwater elevations, groundwater flow appears to be to the southeast and southwest, toward the open water on either side of the filled area. Groundwater contours for each gauging event were similar. Therefore, groundwater contours for the third quarter (summer) gauging event are depicted on Figure 3.

5.5 Surface Water Sampling

Concurrently with the groundwater sampling events, Tighe & Bond collected surface water samples from three locations (SW-8, SW-9, and SW-16) as shown on Figure 2. The surface water samples were collected in dedicated 500 milliliter plastic bottles provided by the laboratory and decanted into the appropriate laboratory supplied containers and were immediately stored in a cooler with ice. The dissolved surface water samples were pumped through polyethylene tubing to a 0.45-micron filter using a peristaltic pump.

The surface water samples were submitted to Contest for laboratory analysis of the following:

- Total and dissolved RCP Metals using EPA Method 6020B (mercury via 7470A, thallium via 6020B)
- Total and dissolved iron using EPA method 6010D
- Total and dissolved manganese using EPA method 6020B
- pH Standard Methods 4500-H+B

5.6 SEH Soil Delineation

During a review of the 2007 Site Investigation Report, Tighe & Bond identified arsenic concentrations above the SEH Condition Notification Threshold within two feet of the surface at locations MW-102 (SEH Area 1), B4 (SEH Area 2), and B6 (SEH Area 3). As part of this SSI, Tighe & Bond collected additional soil samples around each of the three locations to delineate the extent of the SEH concentrations. In general, the samples were collected from depths of 0-1 and 1-2 ftbgs. The initial delineation samples were collected at a horizontal distance of five feet to the north, south, east, and west at each of the locations. As described below, additional samples were needed to further delineate the SEH concentrations at locations B4 and B6. These samples were collected using the same methodology as the initial delineation samples. Some locations were adjusted due to the presence of trees, roots and/or large rocks. The SEH delineation samples are shown on the insets on Figure 2. The SEH delineation samples were collected in dedicated glass jars provided by the laboratory and were immediately stored in a cooler with ice.

The samples were submitted to Phoenix Environmental Laboratories in Manchester, CT (Phoenix) for laboratory analysis of the following:

- Total arsenic using EPA Method 6020B

Section 6
Supplemental Site Investigation Findings

6.1 Groundwater Analytical Results

Each of the three newly installed monitoring wells (MW-101R, MW-104R, and MW-105R) were sampled on a quarterly basis to evaluate seasonal fluctuations in the groundwater concentrations. The winter sampling event was conducted on January 8, 2020, the spring sampling event was conducted on May 5, 2020, the summer sampling event was conducted on July 28, 2020, and the fall sampling event was conducted on November 5, 2020.

Groundwater analytical results were compared to the following CTDEEP regulatory criteria:

- Groundwater Protection Criteria (GWPC)
- Surface Water Protection Criteria (SWPC)
- Additional Polluting Substances Criteria
- CTDEEP Significant Environmental Hazard (SEH) Notification Threshold Concentrations (10-times the Acute Aquatic Toxicity concentrations)

During the winter sampling event, one duplicate groundwater sample (MW-DUP) was collected from MW-105R and an equipment blank (EQ Blank) was collected for groundwater sampling materials for quality assurance/quality control (QA/QC) purposes. QA/QC sample results are discussed below in Section 8.3.

Several metals in both the total and dissolved forms were detected at concentrations above the GWPC and/or SWPC in each of the three monitoring wells during one or more of the sampling events. Metals that were detected at concentrations above the RSR criteria include arsenic, beryllium, cadmium, chromium, copper, iron, lead, manganese, nickel, thallium, vanadium, and zinc.

In addition to the concentrations exceeding the RSR criteria, concentrations above the SEH Notification Threshold Concentrations were detected during the fall sampling event. SEH exceedances include dissolved cadmium in MW-101R and MW-105R, dissolved copper in MW-101R, MW-104R, and MW-105R, and dissolved zinc in MW-101R and MW-105R.

pH values were measured in the field at the time of sampling as well as at the laboratory. pH was generally observed to be in the upper 3s for MW-101R and MW-104R and in the mid 4s for MW-105R with the exception of the summer sampling event where the pH values were observed in the mid 5s to low 6s at each of the monitoring wells.

In general, the lowest concentrations of metals in the groundwater samples appear to be during the summer sampling event in MW-101R and during the spring sampling event in wells MW-104R and MW-105R.

Groundwater sampling results from the 2020 quarterly sampling, as well as the groundwater sampling conducted by VHB on May 4, 2007, are included in Table 2. Copies of the laboratory analytical reports are included in Appendix C.

6.2 Surface Water Analytical Results

Concurrent with the groundwater sampling events, three surface water locations (SW-8, SW-9, and SW-16) were sampled. A sample was not collected from SW-8 during the summer sampling event due to lack of water at the sampling location.

Groundwater analytical results were compared to the following CTDEEP Water Quality Standards:

- Freshwater Aquatic Life Criteria-Chronic
- Freshwater Aquatic Life Criteria-Acute
- Human Health Criteria for the consumption of Water and Fish

During the winter sampling event, one duplicate groundwater sample (SW-DUP) was collected from SW-9 for QA/ QC purposes. QA/QC sample results are discussed below in Section 8.3.

Concentrations of total arsenic at SW-16, dissolved beryllium at SW-9 and SW-16, and dissolved thallium at SW-8, SW-9, and SW-16 were detected above the Human Health Criteria for the consumption of water and fish. Concentrations of dissolved cadmium at SW-9 and SW-16, dissolved copper at SW-16, dissolved lead at SW-16, dissolved nickel at SW-9, and dissolved zinc at SW-9 and SW-16 were detected above the chronic Freshwater Aquatic Life Criteria. Concentrations of dissolved cadmium at SW-9, dissolved copper at SW-16 and dissolved zinc at SW-9 and SW-16 were detected above the acute Freshwater Aquatic Life Criteria. Exceedances generally occurred at SW-8 and SW-9 during the fall sampling event and during each sampling event except for the summer sampling event at SW-16.

Surface water sampling results from the 2020 quarterly sampling are summarized in Table 3. Copies of the laboratory analytical reports are included in Appendix C.

6.3 Soil Analytical Results

Soil analytical results are summarized in Table 4 and compared to the following CTDEEP regulatory criteria:

- Residential Direct Exposure Criteria (Res DEC)
- Residential Significant Hazard Notification Threshold Concentrations (Res SEH)

As described above, arsenic was identified in three areas above the Res SEH concentration during the 2007 VHB investigation. A discussion of the soil results by SEH area is provided below.

6.3.1 SEH Area 1

Five initial delineation locations (HA-1 through HA-4 and HA-15) were sampled on September 23, 2020 at a distance of five feet north, south, east, and west of soil boring B6. HA-15 was advanced adjacent to B6 to confirm the previous sampling results. Total arsenic was detected above the Res DEC in each of the samples at depths of zero to one foot and one to two ftbgs. Total arsenic was detected above the Res SEH concentration in one sample, HA-3, located five feet west of B6 at a depth of one to two ftbgs.

On November 5, 2020, three additional locations (HA-16, HA-17, and HA-18) were sampled. HA-16 was located five feet to the west of HA-3 while HA-17 and HA-18 were located six feet to the southwest and northwest, respectively. Total arsenic was detected

above the Res DEC in each of the samples at a depth of one to two ftbgs. Total arsenic was detected above the Res SEH concentration in HA-16 at a depth of one to two ftbgs.

On April 22, 2021, three additional locations (HA-24, HA-25, and HA-26) were sampled. HA-25 was located 5 feet to the west of HA-16 while HA-24 and HA-25 were located five feet to the northwest and southwest, respectively. Total arsenic was detected above the Res DEC in each of the samples at depths of zero to one foot and one to two ftbgs. Total arsenic was not detected above the Res SEH at any of the three locations.

Therefore, SEH Area 1 was delineated five feet to the north, south, and east of B6 and 15 feet to the west.

6.3.2 SEH Area 2

Five initial delineation locations (HA-5 through HA-8 and HA-14) were sampled on September 23, 2020 at a distance of five feet north, south, east, and west of monitoring well MW-102. HA-14 was advanced adjacent to MW-102 to confirm the previous sampling results. Total arsenic was detected above the Res DEC in each of the samples at depths of zero to one foot and one to two ftbgs. Total arsenic was not detected above the Res SEH concentration any of the four locations.

Therefore, SEH Area 2 was delineated five feet to the north, south, east, and west of MW-102.

6.3.3 SEH Area 3

Five initial delineation locations (HA-9 through HA-13) were sampled on September 23, 2020 at a distance of five feet north, south, east, and west of soil boring B4. HA-13 was advanced adjacent to B4 for to confirm the previous sampling results. Total arsenic was detected above the Res DEC in each of the samples at depths of zero to one foot and one to two ftbgs. Total arsenic was detected above the Res SEH concentration in two samples, HA-9, located five feet east of B4, and HA-12, located five feet south of B4, both at a depth of one to two ftbgs.

On November 5, 2020, four additional locations (HA-19 through HA-23) were sampled. HA-19 was located five feet to the northeast of HA-9, HA-20 was located five feet to the east of HA-9, HA-21 was located 10 feet to the south of HA-9, HA-22 was located five feet south of HA-12, and HA-23 was located five feet southwest of HA-12. Total arsenic was detected above the Res DEC in each of the samples at a depth of one to two ftbgs. Total arsenic was detected above the Res SEH concentration in HA-20 and HA-21 at a depth of one to two ftbgs.

On April 22, 2021, five additional locations (HA-27 through HA-31) were sampled. HA-27 was located 5 feet northeast of HA-20, HA-28 was located five feet east of HA-20, HA-29 was located five feet south of HA-20, HA-30 was located five feet east of HA 21, and HA-31 was located five feet south of HA-21. Total arsenic was detected above the Res DEC in each of the samples at depths of zero to one foot and one to two ftbgs. Total arsenic was not detected above the Res SEH at any of the five locations.

Therefore, SEH Area 3 was delineated five feet to the north and west of B4 and 15 feet to the south and west.

Section 7
Water Supply Well Receptor Survey

Tighe & Bond completed a Water Supply Well Receptor Survey throughout 2020 in general accordance with CTDEEP's *Water Supply Well Receptor Survey Guidance Document* dated September 2009 (revised January 2015).

For the purposes of this report, a receptor is defined as a residential or commercial potable well that is in use. The receptor survey is intended to assess the extent of public water service within 500-feet of the Site and identify those properties where potable groundwater supply wells may still be in-use.

The Site is located in a residential and wooded area with residential uses to the north, east, and west.

As indicated previously, the Site is located within a GA groundwater classification area, which indicates that groundwater is presumed suitable for human consumption without treatment.

7.1 Water Supply Well Survey Methods

The following section describes the process used by Tighe & Bond used to assess the presence of water supply wells in the vicinity of the Site. Information sources that were used by Tighe & Bond as part of the water supply survey.

GIS information from the Town of Montville was used to establish a 500-foot buffer zone around the Site boundary. The street address and other information for the 10 parcels falling within the 500-foot buffer zone were obtained from the Town of Montville tax assessor. The list of properties was submitted to the Uncas Health Department on December 17, 2019 to request information regarding potable well installation records or potable water sampling results. A visual "windshield survey" was conducted from the public street ROWs as well as the Eversource electrical line easement within the 500-foot interval to identify potential residential well-heads, if present, and public water source indicators, e.g. water lines, and fire hydrants.

Tighe & Bond reviewed the following information sources to assess for potential water supply wells in the vicinity of the Site:

- Water Quality Classification Map, Montville, CT dated October 2018.
- *Public Water Supply Map* published by the Connecticut Department of Health (http://www.ct.gov/dph/cwp/view.asp?a=3139&q=513480)
- Town of Montville GIS Application (https://www.axisgis.com/montvillect/)
- CTDEEP's Atlas of the Public Water Supply Sources & Drainage Basin of Connecticut, June 1982
- Water Well Completion Reports for the Town of Montville from 1970 through 2021 and the Village of Uncasville from 1977 through 2020 available from Department of Consumer Protection, 365 Capital Avenue, Hartford, CT.
- CT DPH Drinking Water Section- public drinking water supplies including community and noncommunity systems (http://www.portal.ct.gov/DPH/Drinking-Water/DWS/Public-Water-System-Lists)
- List of Significant Environmental Hazards Reported to DEEP (Period covering 10/01/1998 through 3/31/2021 updated April 29, 2021) (https://portal.ct.gov/-/media/DEEP/site_clean_up/hazard_notification/hazardnotificationsummarypdf.pdf)

7.2 Water Supply Well Survey Results

No water supply wells were depicted on CTDEEP's water classification maps or on CTDEEP's Atlas of Public Supplies. As indicated above in Section 3.3.2, the Site is not located within or near an APA. The closest public water supply well is located approximately half of a mile north of the Site. Significant environmental hazard listings (except for the Site itself) and potable well survey records were not identified in the CTDEEP's list of SEH filings near the Site.

Tighe & Bond reviewed the well installation logs obtained directly from the Department of Consumer Protection or provided by the Uncas Health Department for the following properties within the 500-foot buffer around the Site:

Parcel ID	Address	Well identified during "windshield survey"
016-037-000	119 Moxley Road	No
010-006-000	120 Moxley Road	Yes
010-006-00A	124 Moxley Road	Yes
010-007-000	126 Moxley Road	Yes
009-024-000	132 Moxley Road	Yes
009-023-00B	135 Moxley Road	Yes
009-023-00C	139 Moxley Road	Yes

Copies of the well installation logs and other information provided by the Uncas Health Department are provided in Appendix D.

Tighe & Bond was unable to locate information regarding the location of potable wells at 131 Moxley Road and the undeveloped parcels owned by the Department of Transportation (DOT) (parcel IDs 010-009-000 and 010-010-000). A house and an associated outbuilding (garage or shed) are present at 131 Moxley Road that suggests the parcel is an active residence, however the two DOT parcels are undeveloped and are unlikely to have a potable supply well.

Tighe & Bond submitted a second request to the Uncas Health Department on May 21, 2021 specifically for the 131 Moxley Road property. According to a representative from the Uncas Health Department, the department does not have any records pertaining to the location or sampling of the potable well at this address. Similarly, no files associated with potable wells were available from the building and planning departments. Despite the lack of information, it is likely that 131 Moxley Road utilizes a private due to the rural setting and the use of potable wells at the surrounding properties.

The location of the identified potable supply wells, either observed during the windshield survey or obtained from well installation logs, is show on Figure 4.

Section 8
Quality Assurance/Quality Control

Samples collected during the SSI were analyzed by Con-Test and Phoenix in accordance with the CTDEEP Reasonable Confidence Protocols (RCP) and have been evaluated in accordance with the CTDEEP Laboratory QA/QC Data Quality Assessment (DQA) & Data Usability Evaluation (DUE) Guidance Document, dated May 2009, revised December 2010. The following sections provide a discussion of the DQA/DUE process completed for the data obtained during investigation of the Site.

Based on the information provided in the following sections, it is Tighe & Bond's opinion that the site-specific Data Quality Objectives (DQOs) have been met. A summary of the results of QA/QC samples, including blanks and duplicate samples are included in the sections below.

8.1 Data Quality Objectives

The DQOs for the SSI were developed to ensure that a sufficient quantity and quality of analytical data were obtained to:

- Evaluate the seasonal fluctuation of metals concentrations at the Site;
- Delineate SEH conditions in soil at the Site;
- Determine if contamination is present in the environment at concentrations exceeding the applicable RSR criteria; and
- Determine if contamination is present in the environment at concentrations exceeding SEH thresholds.

8.2 Data Quality Assessment (DQA)

Laboratory QA/AC data for groundwater and surface water samples and RCP Laboratory Analysis QA/QC Certification Forms are included in the laboratory analytical reports provided by Con-test. Laboratory QA/QC data for soil samples and RCP Laboratory Analysis QA/QC Certification Forms are included in the laboratory analytical reports provided by Phoenix. Laboratory analytical reports are provided in Appendix B.

The QA/QC Certification Forms for each of the laboratory reports for groundwater, surface water, and soil samples indicate that laboratory analyses met the requirements for "Reasonable Confidence" except for those summarized in Con-test Work Order Number 20E0154 and Phoenix Sample Delivery Group (SDG) GCI14470.

RCP analytical methods were mistakenly not requested on the chain of custody for Con-test Work Order Number 20E0154. A review of the QC data provided with the report; however, indicates that the report does meet the requirements for "Reasonable Confidence".

For Phoenix SDG GCI14470, the sample/sample duplicate relative percent difference (RPD) was outside of the method range. Phoenix indicated that there may be variability in the sample results for total arsenic. Based on a review of the soil results, total arsenic concentrations are well below the RES SEH concentrations. Therefore, the variability in the results is not anticipated to negatively affect the usability of the data for SEH determination.

- Proper Chain of Custody protocols were utilized for all laboratory reports, including recordation of signatures, dates, and times documenting custody changes.
- All sample groups were received by the lab at 4°C with a plus or minus 2 °C.
- All samples were analyzed within holding times for the requested parameters except for pH. The holding time for pH is "immediate", due to this, pH measurements were also taken in the field at the time of sample collection. Exceeding the holding time of pH analysis does not have an effect on the data usability for total and dissolved metals.
- Reporting limits for Site COCs were met for all samples.
- Laboratory solvent contamination was not noted in any of the samples.
- COCs associated with the Site were not detected in any of the laboratory method blanks.
- All laboratory control samples (LCS) were within the method specific limits for COCs associated with the Site.
- All surrogates were within acceptable limits for the various parameters.
- Matrix spike (MS) and matrix spike duplicates (MSDs) were within method specific limits for COCs associated with the Site.

8.3 Field Sampling Quality Assurance

Field sampling quality assurance included the collection of blind duplicate groundwater and surface water samples. An equipment blank was collected during the first round of groundwater sampling on January 8, 2020.

8.3.1 Duplicate Samples

Field duplicate samples are collected to provide information on data reproducibility. The duplicate samples were obtained by collecting two identical sets of samples from a single sample location. The duplicate samples were analyzed for the same constituents as the parent sample. The Relative Percent Difference (RPD) is then calculated for each constituent detected in the parent sample and it's duplicate. The comparison is a measurement of analytical precision.

Groundwater Duplicates

One duplicate sample was collected during the January 8, 2020 groundwater sampling event from MW-105R. The calculated RPDs for constituents detected in groundwater sample MW-105R and MW-DUP ranged from 0% to 6% which are below the CT DEEP's acceptable RPD of 30% for aqueous matrices.

Surface Water Duplicates

One duplicate sample was collected during the January 8, 2020 surface water sampling event from SW-9. The calculated RPDs for constituents detected in surface water sample SW-9 and SWDUP ranged from 0% to 40%. The 40% RPD was calculated for the dissolved zinc analysis and is above the acceptable RPD of 30%. This indicates a potential variability in the zinc concentration. Both the parent and duplicate values for zinc were well below the applicable criteria values. Therefore, the variability is not

expected to significantly impact the data usability. The remaining RDPs were below the CT DEEP's upper range of 30% for aqueous matrices.

Soil Duplicates

Three duplicate samples were collected during the SEH soil delineation sampling events. HA-DUP was collected from HA-12 at a depth of one to two ftbgs, HA-DUP 2 was collected from HA-3 at a depth of zero to one ftbgs, and HA-DUP-4-22-21 was collected from HA-26 at a depth of one to two ftbgs. Each of the duplicate samples was analyzed for total arsenic. The calculated RDPs ranged from a low of 26% in the HA-DUP-4-22-21/HA-26 sample set to a high of 62% in the HA-DUP-2/HA-3 sample set. Two of the RPDs were below the CT DEEP's range of 50% for soil matrices. Both results for the HA-DUP 2 and the parent sample, HA-3 were well below the residential SEH criteria and are therefore considered usable.

8.3.2 Blank Samples

As discussed above, an equipment blank sample was collected during the January 8, 2020 groundwater sampling event. The purpose of this blank sample was to determine if a potential for sample contamination exists as a result of sampling equipment. The equipment blank sample consisted of laboratory-supplied reagent-grade water that was run through dedicated tubing using a peristaltic pump.

Target COCs were not reported in the equipment blank. Accordingly, contamination from the use of dedicated tubing does not appear to have occurred during sample collection and the groundwater sampling event.

Section 9
Summary and Recommendations

9.1 Summary

Tighe & Bond, on behalf of Eversource, has prepared this SSI report for 128 Moxley Road in the village of Uncasville, Montville, Connecticut (the Site).

The purpose of this SSI was to further evaluate the SEH conditions in soil and groundwater identified at the Site during previous investigations conducted in 2007. The SSI included the collection of quarterly groundwater and surface water samples at the Site to evaluate seasonal trends in metals concentrations and groundwater flow and the delineation of three areas across the Site where total arsenic concentration in soil were identified above the applicable SEH thresholds. A potable well receptor survey was also conducted for the area in the vicinity of the Site.

The Site is currently owned by CL&P, doing business as (dba) Eversource Energy. From 1962 to circa 1968, ash materials from the former Connecticut Light & Power Company (CL&P) Montville Generating Station were reportedly deposited in the swampy area of the property. The Site encompasses 14.43-acres and is located on the southern side of Moxley Road. The Site is currently an undeveloped, overgrown, and wooded area. The Site is primarily defined by a lobe-shaped deposit of ash material. Wetlands surround the Site to the east, west and south. Two ponds are located on the east and west of the Site. The Site contains several mature trees along the banks of the ponds which provide stability and inhibit erosion from the banks into the ponds. Signs of erosion were not observed during the completion of the SI activities. Access to the Site is limited by a locked chain link fence along Moxley Road.

Tighe & Bond installed three monitoring wells constructed with 2-inch PVC to replace the 1-inch PVC monitoring wells MW-101, MW-104, and MW-105 installed by VHB in 2007. These monitoring wells were chosen to further assess identified SEH concentrations of metals greater than 10 times the acute aquatic toxicity concentrations. Groundwater samples were collected from the newly installed monitoring wells on a quarterly basis and analyzed for total and dissolved RSR 15 metals, iron, and manganese, and ph. Groundwater quality parameters, dissolved oxygen, oxygen reduction potential, turbidity, pH, specific conductivity, and temperature were also recorded during groundwater sampling activities.

Concurrent with the groundwater sampling events, Tighe & Bond collected surface water samples from locations SW-8, SW-9, and SW-16 to evaluate seasonal fluctuations in metal concentrations in surface water at the Site. The surface water samples were analyzed for the same parameters as the groundwater samples.

Concentrations of metals in the groundwater beneath the Site appeared to fluctuate throughout the year with the lowest concentrations occurring during the summer sampling event and the highest concentrations occurring during the fall sampling event. Concentrations of dissolved copper greater than ten times the Acute Freshwater Aquatic Toxicity criteria were detected in groundwater samples collected from each of the three monitoring wells during the fall sampling event. In addition, concentrations of dissolved cadmium and dissolved zinc were greater than ten times the Acute Freshwater Aquatic Toxicity criteria in groundwater samples collected from MW-101R and MW-105R during the fall sampling event. Concentrations of metals above the GWPC and SWPC were detected in groundwater samples collected from all three monitoring wells during each

sampling event. Groundwater beneath the Site was observed to be acidic during each of the quarterly sampling events, with pH values ranging from low to mid 3s at MW-101R and MW-104R to mid 4s at MW-105R.

Concentrations of metals detected in the surface water samples generally remained consistent across sampling events with the highest concentrations occurring during the fall sampling event and the lowest concentrations occurring during the summer event. These seasonal fluctuations are consistent with the groundwater analytical results. Several dissolved metals were detected above the Acute Freshwater Aquatic Life criteria, Chronic Freshwater Aquatic Life criteria, and/or the Human Health Criteria for Consumption of Water and Fish at SW-9 and SW-16 during multiple sampling events. Dissolved thallium was detected at a concentration above the Human Health Criteria for Consumption of Water and Fish during the fall sampling event only. SW-9 and SW-16 were observed to be slightly acidic based on average pH values of 3.9 and 3.3, respectively. pH values at SW-8 appeared to be consistent with natural surface water values with an average pH of 6.1.

The Conceptual Site Model (CSM) for the Site consists of the placement of the ash materials from about 1962 to 1968 across the Site, at depths above and below the water table. Ash material typically contains elevated concentrations of various metals including those detected in the groundwater and surface water at the Site. Due to the acidic conditions of the groundwater at the Site, ash material below the water table is believed to leach metals out of the solid phase and into the groundwater. In addition, precipitation infiltrates through the surface of the Site and causes metals to leach into the water table. Once in the water table, dissolved metals travel through the aquifer and discharge to the ponds on either side of the Site.

Tighe & Bond also collected soil samples in the vicinity of B6, MW-102, and B4 to delineate concentrations of arsenic within the top two feet of soil above the SEH concentrations. Soil samples were collected around the original sampling location at a distance of five feet to the north, south, east, and west. Subsequent delineation samples were collected in areas where SEH conditions were still identified. Each of the soil SEH areas have been delineated as shown on Figure 2.

A water supply well survey was conducted as part of the SSI. Tighe & Bond was able to identify the location(s) of the water supply well(s) for each of the developed parcels within a 500-foot radius of the Site except for 131 Moxley Road. Tighe & Bond was not able to identify current water well information for two parcels of land to the southeast of the Site identified as Moxley Road and Haley Rd. These parcels are undeveloped, located adjacent to interstate 395 and owned by the Connecticut Department of Transportation. As such, it is not likely that water wells exist on these parcels. Tighe & Bond reviewed multiple sources (Uncas Health District, Montville Building Department, Montville Planning Department, and CT Department of Consumer Protection Well Installation Logs) as well as conducted multiple "windshield surveys" to identify the location of the water well at 131 Moxley Road, to no avail.

9.2 Recommendations

Based on the findings of this Supplement Site Investigation and previous investigations, SEH conditions remain in the groundwater beneath the Site. In addition, information regarding the location of the potable water well for 131 Moxley Road was not identified. Tighe & Bond recommends the following activities be conducted with regards to the Site.

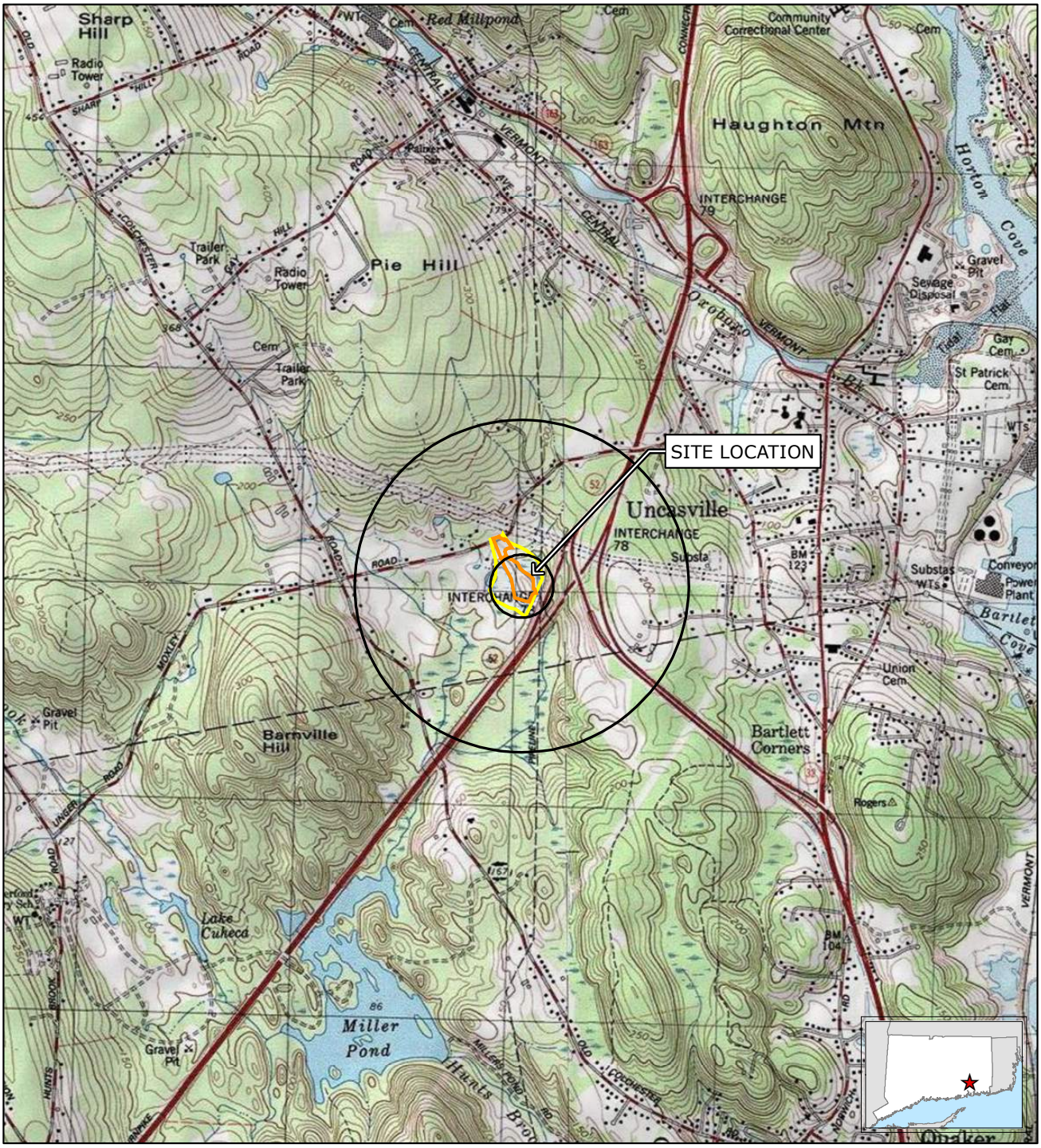
- Additional groundwater monitoring wells should be installed outside of the ash placement area to the east and west to evaluate hydraulic conditions, potential

groundwater impacts in the vicinity of potable wells, and the extent of the existing groundwater plume.

- An additional year of quarterly groundwater sampling that includes the newly installed wells proposed above and select existing wells is recommended to assess seasonal fluctuations in groundwater and surface water and to gain a better understanding of site conditions.
- Additional downstream surface water samples should be collected at the outlet of the surface water ponds to evaluate the surface water quality leaving the site.
- Additional efforts should be made to identify the location of the private water supply well for 131 Moxley Road. The potable well for this property may be within 200 feet of monitoring well MW-101R.

Tighe&Bond

FIGURES



Approximate Property Boundary

Approximate Site Boundary

Tighe&Bond

Based on USGS Topographic Map for Montville& Uncasville, CT
Contour Interval Equals 10 Feet.
Circles indicate 500-foot and half-mile radii

1 inch = 2,000 feet

0 1,000 2,000

Feet

N

FIGURE 1
SITE LOCATION MAP

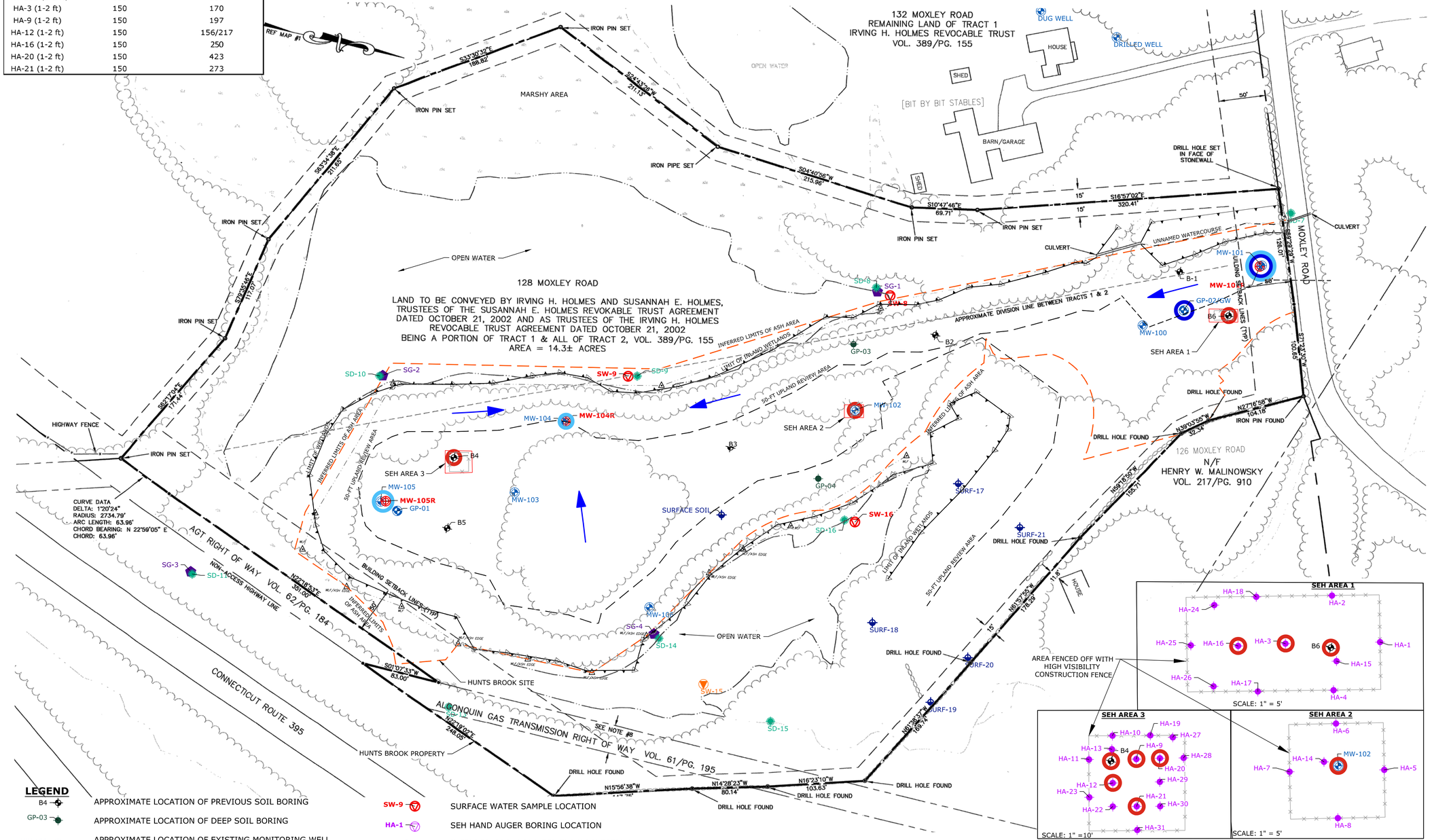
Hunts Brook Site/Property
128 Moxley Road
Montville, CT

May 2021

V:\Projects\E\E0754\131-128MoxleyRoad\SiteLocus128MoxleyRd_WellRadius.mxd [Exported By: BCaswell, 5/3/2021, 2:20:10 PM]

E-0754

Sample ID	Arsenic SEH Condition Notification Threshold 15 time RES DEC (mg/Kg)	Concentration (mg/Kg)
B-4 (1-2 ft)	150	195
B-6 (1-2 ft)	150	179
MW-102 (1-2 ft)	150	189
HA-3 (1-2 ft)	150	170
HA-9 (1-2 ft)	150	197
HA-12 (1-2 ft)	150	156/217
HA-16 (1-2 ft)	150	250
HA-20 (1-2 ft)	150	423
HA-21 (1-2 ft)	150	273



LEGEND

- B4 — APPROXIMATE LOCATION OF PREVIOUS SOIL BORING
- GP-03 — APPROXIMATE LOCATION OF DEEP SOIL BORING
- MW-100 — APPROXIMATE LOCATION OF EXISTING MONITORING WELL (2007 INSTALLED)
- GP-01 — APPROXIMATE LOCATION OF DEP SOIL BORING AND MONITORING WELL
- SD-15 — PREVIOUS SEDIMENT SAMPLE LOCATION
- SURF-18 — PREVIOUS SURFACE SOIL SAMPLE LOCATION
- SW-15 — PREVIOUS SURFACE WATER SAMPLE LOCATION
- SG-4 — PREVIOUS STAFF GAUGING LOCATION
- MW-104R — REINSTALLED MONITORING WELL (DECEMBER 2019)
- SW-9 — SURFACE WATER SAMPLE LOCATION
- HA-1 — SEH HAND AUGER BORING LOCATION
- INFERRED GROUNDWATER FLOW DIRECTION
- TREE LINE
- WETLAND
- WATERCOURSE
- 50-ft WETLAND REVIEW AREA
- APPROXIMATE LIMIT OF COAL ASH AREA (SITE)
- PROPERTY BOUNDARY
- OPEN WATER

SIGNIFICANT ENVIRONMENTAL HAZARD (SEH) CONDITIONS

- SHALLOW SUBSURFACE SOIL WITH ARSENIC DETECTION ABOVE THE SEH NOTIFICATION THRESHOLD CONCENTRATION WITHIN TOP 2 FEET OF SOILS
- METALS DETECTED IN GROUNDWATER ABOVE THE GROUNDWATER PROTECTION CRITERIA WITHIN 500 FEET IN AN UPGRADIENT DIRECTION, OR WITHIN 200 FEET IN ANY DIRECTION, OF A PRIVATE DRINKING WATER SUPPLY WELL
- GROUNDWATER EXCEEDS 10-TIMES THE LISTED ACUTE AQUATIC LIFE CRITERIA LISTED IN THE CTDEEP'S WQSS

NOTES

1. BASE SURVEY BASED ON DRAWING TITLED "PERIMETER SURVEY-LAND TO BE CONVEYED BY IRVING H. HOMES AND SUSANNAH E. HOLMES REVOCABLE TRUST" DATED 1/6/2006 BY NORTHEAST UTILITIES SERVICE CO.
2. SAMPLE LOCATIONS BASED ON DRAWING TITLED "FIGURE 7 CONCEPTUAL SITE MODEL" DATED 05/03/2007 BY VANASSE HANGEN BRUSTLIN, INC. (VHB)
3. INFERRED GROUNDWATER FLOW DIRECTION BASED ON GROUNDWATER GAUGING DATA OBTAINED BY TIGHE & BOND ON JULY 28, 2020.

Tighe&Bond
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Middletown, CT 06457
(860) 704-4760

HUNTS BROOK PROPERTY

CONNECTICUT LIGHT & POWER COMPANY dba EVERSOURCE ENERGY
128 MOXLEY ROAD
MONTVILLE, CT

MARK	DATE	DESCRIPTION

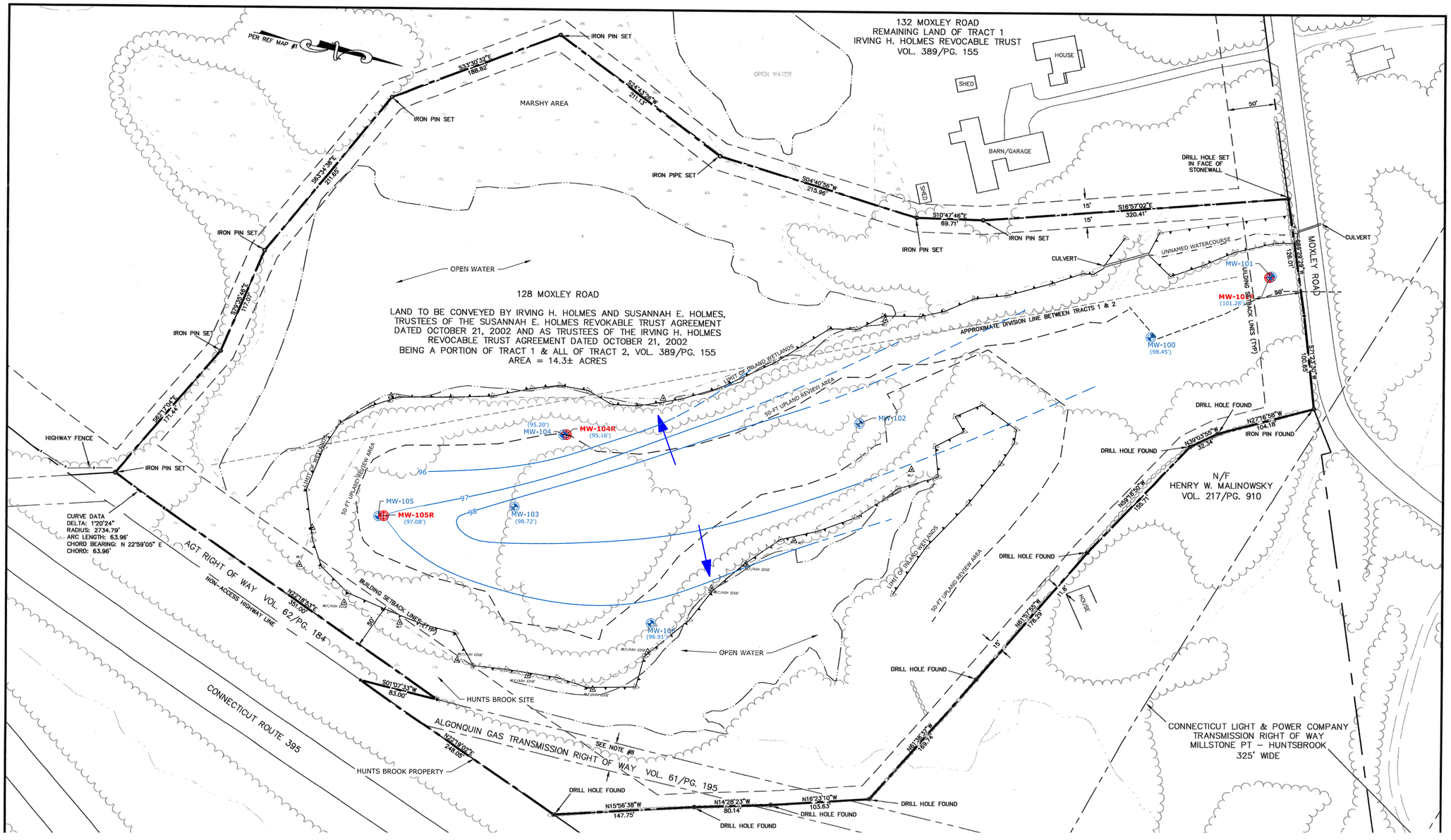
PROJECT NO:	E-0754
DATE:	05/12/2021
FILE:	E0754-PROP-XD-2.dwg
DRAWN BY:	BPC/JLL
CHECKED:	JTO
APPROVED:	JTO

SITE SURVEY, EXPLORATION LOCATIONS, AND SEH SURFICIAL SOIL SAMPLING PLAN

SCALE: 1" = 50'

FIGURE 2

Last Saved: 5/12/2021
Printed: May 13, 2021 - 2:47pm By: BDowell
Tighe & Bond, LLC E0754 - Eversource ea\A20 Hunts Brook Property, Uncasville-CT\Montville Ash Site\CAD\DWG\E0754-PROP-XD-2.dwg



LEGEND

- MW-100 — APPROXIMATE LOCATION OF EXISTING MONITORING WELL (2007 INSTALLED)
- MW-104R — REINSTALLED MONITORING WELL (DECEMBER 2019)
- INFERRED GROUNDWATER FLOW DIRECTION
- GROUNDWATER ELEVATION CONTOUR (1 FT)
- (95.16') — GROUNDWATER ELEVATION
- TREE LINE
- WETLAND
- WATERCOURSE
- 50-ft WETLAND REVIEW AREA

NOTES

1. BASE SURVEY BASED ON DRAWING TITLED "PERIMETER SURVEY-LAND TO BE CONVEYED BY IRVING H. HOMES AND SUSANNAH E. HOLMES REVOCABLE TRUST" DATED 1/6/2006 BY NORTHEAST UTILITIES SERVICE CO.
2. SAMPLE LOCATIONS BASED ON DRAWING TITLED "FIGURE 7 CONCEPTUAL SITE MODEL" DATED 05/03/2007 BY VANASSE HANGEN BRUSTLIN, INC. (VHB)
3. DEPTH TO GROUNDWATER MEASURED ON JULY 28, 2020 BY TIGHE & BOND.

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

Tighe&Bond
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213 Court Street
Suite 1100
Middletown, CT 06457
(860) 704-4760

HUNTS BROOK PROPERTY

EVERSOURCE ENERGY

128 MOXLEY ROAD
UNCASVILLE, CT

MARK	DATE	DESCRIPTION

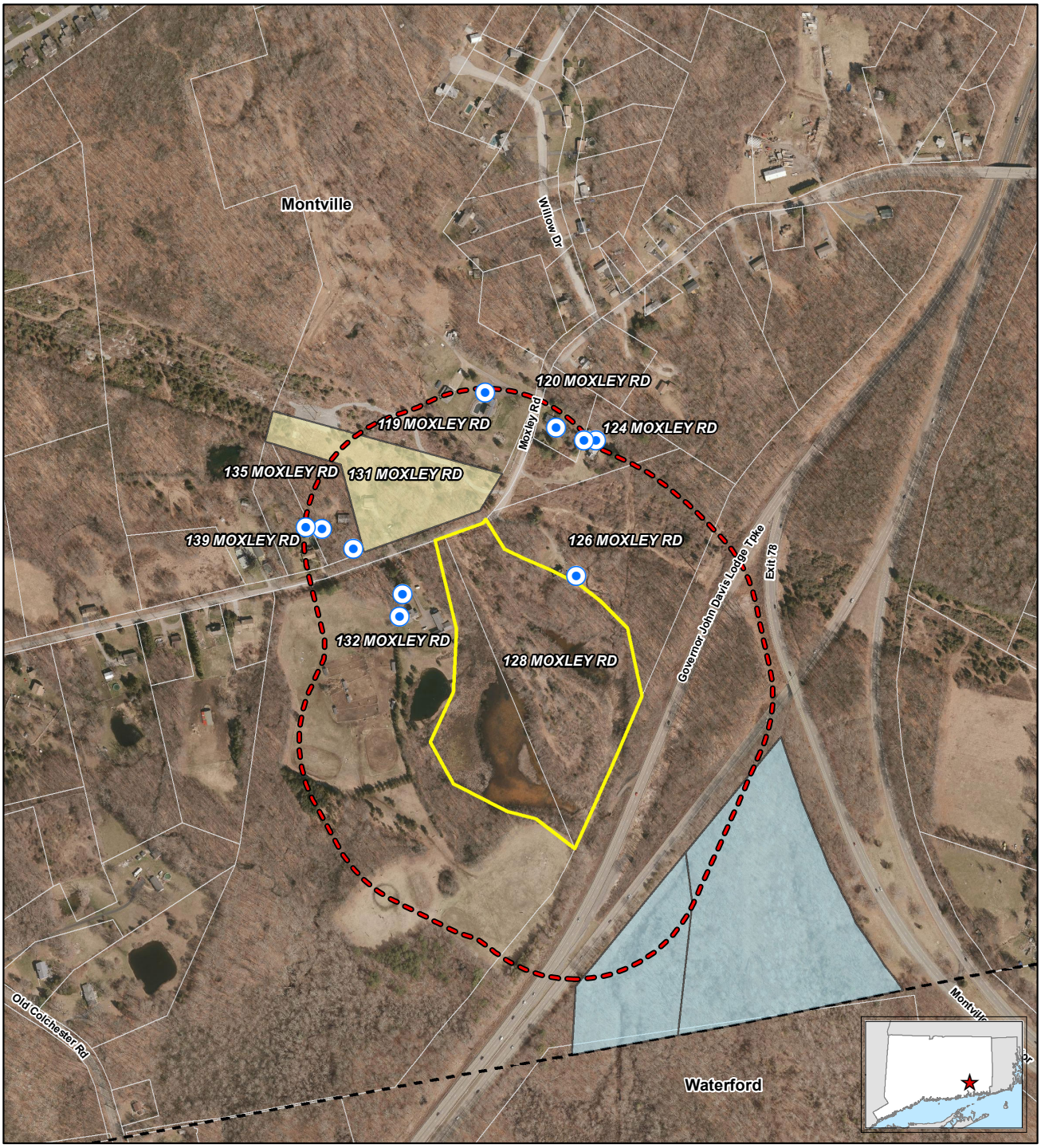
PROJECT NO:	E-0754
DATE:	08/23/2021
FILE:	E0754-PROP-XD-2.dwg
DRAWN BY:	BPC
CHECKED:	RTG
APPROVED:	JTO

GROUNDWATER CONTOUR MAP
THIRD QUARTER 2020

SCALE: 1" = 50'

FIGURE 3

Last Saved: 8/24/2021
Last Plotted: Sep 27, 2021 - 9:10pm By: JLL
Tighe & Bond\Vignettes\Groundwater Data\Projects\E\E0754 - Eversource EA\120- Hunts Brook Property, Uncasville-CT\Montville Ash Site\CAD\DWG\E0754-PROP-XD-2.dwg



LEGEND

- 500' Site Boundary Buffer
- Approximate Site Boundary
- Approx Drinking Water Well Location
- Approximate Parcel Boundary
- CT Municipal Boundary
- Parcel with No Current Well Information (Developed)
- Parcel with No Current Well Information (Undeveloped)

1. Based on 2016 Statewide Orthophotography, Courtesy of CTECO.
2. Unshaded parcels within buffer zones have identified drinking water well information.
3. UNCAS Health District records searched 12/17/19
4. Water Well Completion Reports for the Town of Montville from 1977 through 2016 available from Department of Consumer Protection (DCP)
5. Parcel boundaries downloaded from CTDEEP and are approximate.
6. Site Boundary portrays changes in parcel boundary
7. Referenced from Survey Drawing 2131.

1:6,000
0 250 500
Feet
N

Tighe&Bond
Engineers | Environmental Specialists

FIGURE 4
WATER WELL RECEPTOR SURVEY SUMMARY

Hunts Brook Property
128 Moxley Road
Montville, CT

September 2021

V:\Projects\E\E0754\131-128MoxleyRoad\128MoxleyRd_WellRadius.mxd [Exported By: BCaswell, 9/10/2021, 3:47:03 PM]

E-0754

Tighe&Bond

TABLES

Table 1
Summary of Well Construction
Hunts Brook Property
128 Moxley Road
Montville, Connecticut

Well ID	Elevation	Construction		Well Installation Date	Well Screen or Open Borehole Interval			Groundwater Elevation (1/8/2020)		Groundwater Elevation (5/5/2020)		Groundwater Elevation (7/28/2020)		Groundwater Elevation (11/5/2020)	
	Top of Casing	Total Well Depth (ft)	Casing Material		Depth (ft)	Screen Length (ft)	Media Screened	Depth to GW (feet)	GW Elevation (feet NGVD)	Depth to GW (feet)	GW Elevation (feet NGVD)	Depth to GW (feet)	GW Elevation (feet NGVD)	Depth to GW (feet)	GW Elevation (feet NGVD)
MW-101R	111.35	14'	2-inch PVC	12/18/2019	4-14'	10'	Overburden	9.46	101.89	7.25	104.10	10.07	101.28	8.53	102.82
MW-104R	109.76	15'	2-inch PVC	12/18/2019	5-15'	10'	Overburden	7.67	102.09	9.22	100.54	14.60	95.16	14.10	95.66
MW-105R	110.76	13'	2-inch PVC	12/18/2019	3-13'	10'	Overburden	6.78	103.98	6.64	104.12	13.68	97.08	14.31	96.45
MW-100	110.15	12.9'	1-inch PVC	4/2/2007	7.5-12.5'	5'	Overburden	8.01	102.14	7.7	102.45	11.7	98.45	9.22	100.93
MW-101	111.60	7.3'	1-inch PVC	4/2/2007	2-7'	5'	Overburden	7.68	103.92	6.96	104.64	8.04	103.56	7.51	104.09
MW-102	108.80	10.8'	1-inch PVC	4/3/2007	5.5-10.5'	5'	Overburden	6.72	102.08	6.47	102.33	DRY	DRY	DRY	DRY
MW-103	111.22	15.5'	1-inch PVC	4/3/2007	10.2-15.2'	5'	Overburden	5.88	105.34	5.59	105.63	12.5	98.72	14.48	96.74
MW-104	109.24	17.3'	1-inch PVC	4/3/2007	12-17'	5'	Overburden	8.83	100.41	8.57	100.67	14.04	95.2	14.1	95.14
MW-105	110.91	11.7'	1-inch PVC	4/3/2007	6.5-11.5'	5'	Overburden	7.01	103.9	6.84	104.07	DRY	DRY	DRY	DRY
MW-106	110.58	14'	1-inch PVC	4/3/2007	8.8-13.8'	5'	Overburden	7.94	102.64	7.79	102.79	14.17	96.41	14.38	96.2

Notes:
Elevation for measuring point was surveyed by Kratzer Jones Associates in 2020. Elevations in NAVD 88.
2007 Monitoring wells were installed by Vanasse Hangen Brustlin, Inc.

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TABLE 2
Summary of Groundwater Analytical Data
Hunts Brook Property
128 Moxley Road
Montville, CT

Sample Name	CTDEEP RSRs		CTDEEP Significant Environmental Hazard 10-times Acute Aquatic Toxicity	MW-101	MW-101R			
Sample Date				5/7/2007	1/8/2020	5/5/2020	7/28/2020	11/5/2020
Parent Sample	Groundwater Protection Criteria (GWPC)	Surface Water Protection Criteria (SWPC)		-	-	-	-	-
Field pH				-	3.29	3.54	3.98	3.28
Field Turbidity (NTU)				-	0.77	0.00	1.55	1.23
pH	NE	NE	NE	-	3.9	3.6	5.5	3.1
Total Metals (ug/L)								
Antimony	6	86,000	NE	1.9	<1.0	<1.0	<1.0	<1.0
Arsenic	50	4	3,400	131.4	44	49	9.2	64
Barium	1,000	*2,200*	NE	109	24	22	25	<10
Beryllium	4	4	NE	4.7	5.3	3.9	2.6	24
Cadmium	5	6	NE	11.9	1.6	1.4	2	400
Chromium (Total)	50	NE	NE	32	7.1	5.3	1.3	57
Copper	1,300	48	NE	622	62	58	35	15,000
Iron	NE	*10,000*	NE	-	100,000	45,000	28,000	770,000
Lead	15	13	NE	11.2	3.4	2.6	1.2	44
Manganese	*500*	*930*	NE	-	210	110	190	2,400
Mercury	2	0.4	14	<0.040	<0.100	<0.100	<0.100	<0.100
Nickel	100	880	NE	82	65	30	36	1,500
Selenium	50	50	200	<50	<5.0	<5.0	<5.0	<5.0
Silver	36	12	NE	<5	<0.20	<0.20	<0.20	0.32
Thallium	5	63	NE	8.2	4.4	5.1	3.1	48
Vanadium	50	*270*	NE	33	58	14	<5.0	240
Zinc	5,000	123	NE	176	170	88	150	26,000
Dissolved Metals (ug/L)[1]								
Antimony	6	86,000	NE	<1.5	<1.0	<1.0	<1.0	<1.0
Arsenic	50	4	NE	4.5	41	51	2.4	74
Barium	1,000	*2,200*	NE	24.7	22	22	25	16
Beryllium	4	4	NE	3.9	5.6	4.0	2.5	24
Cadmium	5	6	10	15.7	1.6	1.4	1.7	440
Chromium (Total)	50	NE	NE	19	6.7	5.5	<1.0	82
Copper	1,300	48	143	562	55	64	41	15,000
Iron	NE	*10,000*	NE	-	100,000	44,000	27,000	800,000
Lead	15	13	NE	ND<7.5	3.3	2.5	0.96	42
Manganese	*500*	*930*	NE	-	250	110	200	2,400
Mercury	2	0.4	NE	<0.040	<0.100	<0.100	<0.100	<0.100
Nickel	100	880	2605	78	59	34	32	2,500
Selenium	50	50	NE	<50	<25	<5.0	<5.0	<50
Silver	36	12	10.2	<5	<0.20	<0.20	<0.20	<0.20
Thallium	5	63	NE	6.9	4.6	4.9	2.8	47
Vanadium	50	*270*	NE	<25	52	15	<5.0	350
Zinc	5,000	123	650	188	170	98	130	26,000

Notes:
Results presented in micrograms per liter (µg/L)
CTDEEP RSRs- Connecticut Department of Energy and Environmental Protection Remediation Standard Regulations (February 16, 2021)
SWPC- Surface Water Protection Criteria
Criteria in italics note parameters that are CTDEEP Additional Polluting Substances (September 20, 2018)
NTU - Nephelometric Turbidity Unit
< xx indicates compound was not detected. Detection limit is provided.
NE- Not established
- Sample not analyzed for indicated parameter
Blue values indicate exceedance of GWPC
Gray shaded values indicate exceedance of SWPC
Green boxed values exceed the CTDEEP Significant Environmental Hazard (SEH) 10-times the Acute Aquatic Toxicity Value for Surface Water

[1]- Dissolved metals concentrations are compared to RSR criteria for comparative purposes. RSR values apply to total metals concentrations in groundwater.
Groundwater data from MW-101, MW-104 and MW-105 provided in 2007 Site Investigation Report, Hunts Brook Property, The Connecticut Light & Power, 128 Moxley Road, Montville, Connecticut Prepared by VHB.

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TABLE 2
Summary of Groundwater Analytical Data
Hunts Brook Property
128 Moxley Road
Montville, CT

Sample Name	CTDEEP RSRs		CTDEEP Significant Environmental Hazard 10-times Acute Aquatic Toxicity	MW-104	MW-104R			
Sample Date				5/7/2007	1/8/2020	5/5/2020	7/28/2020	11/5/2020
Parent Sample	Groundwater Protection Criteria (GWPC)	Surface Water Protection Criteria (SWPC)		-	-	-	-	-
Field pH				6.36	3.63	3.90	6.03	3.74
Field Turbidity (NTU)				-	2.04	0.00	2.98	0.81
pH	NE	NE	NE	-	3.2	3.8	3.7	3.5
Total Metals (ug/L)								
Antimony	6	86,000	NE	3	<1.0	<1.0	<1.0	2.4
Arsenic	50	4	3,400	351.6	43	31	300	560
Barium	1,000	*2,200*	NE	30.4	32	41	16	240
Beryllium	4	4	NE	<2.5	12	3.0	<0.40	4.2
Cadmium	5	6	NE	<2.5	2.5	0.67	<0.20	4.5
Chromium (Total)	50	NE	NE	<5	25	2.3	<1.0	13
Copper	1,300	48	NE	<5	130	47	1.6	150
Iron	NE	*10,000*	NE	-	310,000	110,000	450,000	310,000
Lead	15	13	NE	<7.5	0.7	<0.50	<0.50	29
Manganese	*500*	*930*	NE	-	*1,400*	*680*	*4,300*	4,900
Mercury	2	0.4	14	<0.040	<0.100	<0.100	<0.100	0.14
Nickel	100	880	NE	215	180	68	110	180
Selenium	50	50	200	<50	<5.0	<5.0	<5.0	7.9
Silver	36	12	NE	<5	<0.20	<0.20	<0.20	0.44
Thallium	5	63	NE	3	19	12	2.2	25
Vanadium	50	*270*	NE	27	81	<5.0	<5.0	43
Zinc	5,000	123	NE	279	260	150	40	240
Dissolved Metals (ug/L)[1]								
Antimony	6	86,000	NE	<1.5	<1.0	<1.0	<1.0	<1.0
Arsenic	50	4	NE	217	43	34	260	5
Barium	1,000	*2,200*	NE	23.8	30	42	15	20
Beryllium	4	4	NE	<2.5	13	3.6	<0.40	5.8
Cadmium	5	6	10	<2.5	2.4	0.69	<0.20	6.7
Chromium (Total)	50	NE	NE	<5	22	2.8	<1.0	<1.0
Copper	1,300	48	143	<5	120	53	1.7	190
Iron	NE	*10,000*	NE	-	330,000	110,000	470,000	220,000
Lead	15	13	NE	ND<7.5	0.77	0.5	<0.50	<0.50
Manganese	*500*	*930*	NE	-	*1,600*	*660*	*4,400*	5,500
Mercury	2	0.4	NE	<0.040	<0.100	<0.100	<0.100	<0.100
Nickel	100	880	2605	220	160	73	100	220
Selenium	50	50	NE	<50	<5.0	<5.0	<5.0	<5.0
Silver	36	12	10.2	<5	<0.20	<0.20	<0.20	<0.20
Thallium	5	63	NE	2.7	22	12	2.2	**24**
Vanadium	50	*270*	NE	25	67	<5.0	<5.0	<5.0
Zinc	5,000	123	650	287	280	160	40	280

Notes:
Results presented in micrograms per liter (µg/L)
CTDEEP RSRs- Connecticut Department of Energy and Environmental Protection Remediation Standard Regulations (February 16, 2021)
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NTU - Nephelometric Turbidity Unit
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- Sample not analyzed for indicated parameter
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Green boxed values exceed the CTDEEP Significant Environmental Hazard (SEH) 10-times the Acute Aquatic Toxicity Value for Surface Water

[1]- Dissolved metals concentrations are compared to RSR criteria for comparative purposes. RSR values apply to total metals concentrations in groundwater.
Groundwater data from MW-101, MW-104 and MW-105 provided in 2007 Site Investigation Report, Hunts Brook Property, The Connecticut Light & Power, 128 Moxley Road, Montville, Connecticut Prepared by VHB.

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TABLE 2
Summary of Groundwater Analytical Data
Hunts Brook Property
128 Moxley Road
Montville, CT

Sample Name	CTDEEP RSRs		CTDEEP Significant Environmental Hazard 10-times Acute Aquatic Toxicity	MW-105	MW-105R	MW-DUP		MW-105R		Eq Blank
Sample Date				5/7/2007	1/8/2020	1/8/2020	5/5/2020	7/28/2020	11/5/2020	1/8/2020
Parent Sample	Groundwater Protection Criteria (GWPC)	Surface Water Protection Criteria (SWPC)		-	-	MW-105R	-	-	-	-
Field pH				4.53	4.44	4.44	4.51	4.68	-	-
Field Turbidity (NTU)				-	2.16	2.16	2.6	42.03	-	-
pH	NE	NE	NE	-	4.4	4.5	4.3	5.5	4.0	6.3
Total Metals (ug/L)										
Antimony	6	86,000	NE	<1.5	<1.0	<1.0	<1.0	1.6	<1.0	<1.0
Arsenic	50	4	3,400	12.8	<0.80	<0.80	1.2	44	6.9	<0.80
Barium	1,000	*2,200*	NE	61	77	75	58	43	<10	<10
Beryllium	4	4	NE	2.9	8.4	8.3	5.6	19	29	<0.40
Cadmium	5	6	NE	<2.5	2.1	2.1	1.2	7.2	25	<0.20
Chromium (Total)	50	NE	NE	<5	<1.0	<1.0	1.5	5.2	1.4	<1.0
Copper	1,300	48	NE	191	140	140	110	28	440	2.3
Iron	NE	*10,000*	NE	-	1,300	1,400	2,200	110,000	31,000	<50
Lead	15	13	NE	<7.5	<0.50	<0.50	0.51	7.8	3.1	<0.50
Manganese	*500*	*930*	NE	-	120	110	78	*720*	710	<1.0
Mercury	2	0.4	14	<0.040	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Nickel	100	880	NE	28	30	29	27	360	360	<5.0
Selenium	50	50	200	<50	<5.0	<5.0	<5.0	<5.0	5.2	<5.0
Silver	36	12	NE	<5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Thallium	5	63	NE	3.5	3.7	3.7	4.6	25	34	<0.20
Vanadium	50	*270*	NE	<25	<5.0	<5.0	<5.0	15	<5.0	<5.0
Zinc	5,000	123	NE	116	63	62	52	530	680	<10
Dissolved Metals (ug/L)[1]										
Antimony	6	86,000	NE	<1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic	50	4	NE	1	<0.80	<0.80	<0.80	1.2	<0.80	<0.80
Barium	1,000	*2,200*	NE	35.4	76	76	56	16	<100	<10
Beryllium	4	4	NE	2.6	8.7	8.8	5.6	16	32	<0.40
Cadmium	5	6	10	<2.5	2.2	2.2	1.2	7.6	30	<0.20
Chromium (Total)	50	NE	NE	<5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Copper	1,300	48	143	195	140	140	120	25	400	1.6
Iron	NE	*10,000*	NE	-	1,700	1,500	1,900	100,000	17,000	<50
Lead	15	13	NE	ND<7.5	<0.50	<0.50	<0.50	1.7	2.2	<0.50
Manganese	*500*	*930*	NE	-	120	120	80	*680*	740	<1.0
Mercury	2	0.4	NE	<0.040	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Nickel	100	880	2605	29	28	29	30	340	400	<5.0
Selenium	50	50	NE	<50	<5.0	<5.0	<5.0	<5.0	7.4	<5.0
Silver	36	12	10.2	<5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Thallium	5	63	NE	3.1	4.1	4.0	4.5	22	30	<0.20
Vanadium	50	*270*	NE	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Zinc	5,000	123	650	115	65	68	55	540	700	<10

Notes:
Results presented in micrograms per liter (µg/L)
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Groundwater data from MW-101, MW-104 and MW-105 provided in 2007 Site Investigation Report, Hunts Brook Property, The Connecticut Light & Power, 128 Moxley Road, Montville, Connecticut Prepared by VHB.

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TABLE 3
Summary of Surface Water Analytical Data
Hunts Brook Property
128 Moxley Road
Montville, CT

Sample Name	CTDEEP Water Quality Standards			SW-8					SW-9		SW-DUP	SW-9			SW-16				
Sample Date	Freshwater Aquatic Life Criteria- Chronic	Freshwater Aquatic Life Criteria- Acute	Human Health Criteria Consumption of Water & Fish	5/4/2007	1/8/2020	5/5/2020	7/28/2020	11/5/2020	5/4/2007	1/8/2020	1/8/2020	5/5/2020	7/28/2020	11/5/2020	5/4/2007	1/8/2020	5/5/2020	7/28/2020	11/5/2020
Parent Sample				-	-	-	-	-	-	-	SW-9	-	-	-	-	-	-	-	-
Field pH				3.45	6.00	5.79	-	-	3.42	4.90	4.90	4.67	6.44	-	3.24	3.26	3.27	6.5	-
Field Turbidity				-	14.7	-	-	-	-	48.3	48.3	-	-	-	-	5.1	-	-	-
pH	NE	NE	NE	-	6.3	6.8		5.3	-	5.4	5.2	3.7	5.8	3.4	-	3.2	3.3	3.2	3.4
Total Metals (ug/L)																			
Antimony	NE	NE	NE	2.1	<1.0	<1.0		<1.0	<1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<1.0
Arsenic	150	340	0.011	<5.0	<0.80	<0.80		<0.80	0.6	<0.80	<0.80	<0.80	<0.80	<0.80	0.6	<0.80	<0.80	<0.80	1.3
Barium	NE	NE	NE	24.8	<10	<10		19	10.4	<10	<10	<10	40	26	21.2	25	36	40	54
Beryllium	NE	NE	NE	23.9	<0.40	<0.40		<0.40	<2.5	<0.40	<0.40	1.0	<0.40	8	<2.5	0.92	1.2	<0.40	0.72
Cadmium	NE	NE	NE	<2.5	<0.20	<0.20		<0.20	<2.5	<0.20	<0.20	<0.20	<0.20	1.5	<2.5	0.27	0.25	<0.20	0.66
Chromium (Total)	NE	NE	NE	<5.0	<1.0	<1.0		<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	1.6	2.1	<1.0	<1.0
Copper	NE	NE	NE	<5.0	<1.0	<1.0		2.1	<5.0	<1.0	1.8	2.4	<1.0	1.9	9.4	1.8	12	1.6	4.8
Iron	NE	NE	NE	-	710	1,100		340	-	1,300	1,400	5,400	37,000	4,400	-	8,900	11,000	7,900	19,000
Lead	NE	NE	NE	<7.5	<0.50	<0.50		<0.50	<7.5	<0.50	<0.50	0.57	<0.50	<0.50	<7.5	5.4	9.6	<0.50	1.2
Manganese	NE	NE	NE	-	47	58		270	-	61	61	180	430	540	-	70	90	160	360
Mercury	0.77	1.4	0.05	<0.04	<0.100	<0.100		<0.100	<0.04	<0.100	<0.100	<0.100	<0.100	<0.100	<0.04	<0.100	<0.100	<0.100	<0.100
Nickel	NE	NE	NE	109	<5.0	<5.0		<5.0	15	<5.0	<5.0	9.4	<5.0	110	14	12	17	<5.0	20
Selenium	5	20	50	<50	<5.0	<5.0		<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0
Silver	NE	NE	NE	<5.0	<0.20	<0.20		<0.20	<5.0	<0.20	<0.20	<0.20	<0.20	<0.20	<5.0	<0.20	<0.20	<0.20	<0.20
Thallium	NE	NE	NE	1.7	<0.20	<0.20		0.35	<0.05	<0.20	<0.20	<0.20	<0.20	7.1	< 0.5	0.39	0.63	<0.20	1.3
Vanadium	NE	NE	NE	<25	<5.0	<5.0	Sample location dry, no sample collected	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	<5.0	<5.0	<5.0
Zinc	NE	NE	NE	133	<10	<10		38	45	28	12	25	<10	360	76	85	100	<10	260
Dissolved Metals (ug/L)																			
Antimony	NE	NE	5.6	-	<1.0	<1.0		<1.0	-	<1.0	<1.0	<1.0	<1.0	<1.0	-	<1.0	<1.0	<1.0	<1.0
Arsenic	NE	NE	NE	-	<0.80	<0.80		<0.80	-	<0.80	<0.80	<0.80	<0.80	<0.80	-	<0.80	<0.80	<0.80	<0.80
Barium	NE	NE	NE	-	<10	<10		18	-	<10	<10	<10	24	25	-	25	34	40	35
Beryllium	NE	NE	0.0077	-	<0.40	<0.40		<0.40	-	<0.40	<0.40	1.1	<0.40	8.4	-	0.98	1.3	<0.40	0.47
Cadmium	0.125	1	5	-	<0.20	<0.20		<0.20	-	<0.20	<0.20	<0.20	<0.20	**1.7**	-	**0.25**	**0.26**	<0.20	**0.52**
Chromium (Total)	NE	NE	NE	-	<1.0	1.3		<1.0	-	<1.0	<1.0	1.2	<1.0	<1.0	-	1.8	2.8	<1.0	<1.0
Copper	4.8	14.3	1,300	-	<1.0	1.1		1.6	-	1.8	1.3	8.6	<1.0	2.4	-	**11**	**21**	3.5	4.0
Iron	NE	NE	NE	-	510	690		150	-	<50	<50	4,800	3,200	9,600	-	4,400	10,000	5,100	6,600
Lead	1.2	30	15	-	<0.50	<0.50		<0.50	-	<0.50	<0.50	0.59	<0.50	<0.50	-	**5.3**	**9.0**	<0.50	0.51
Manganese	NE	NE	NE	-	49	58		280	-	63	62	170	280	570	-	72	93	160	290
Mercury	NE	NE	NE	-	<0.100	<0.100		<0.100	-	<0.100	<0.100	<0.100	<0.100	<0.100	-	<0.100	<0.100	<0.100	<0.100
Nickel	28.9	260.5	610	-	<5.0	<5.0		<5.0	-	<5.0	<5.0	9.8	<5.0	**120**	-	13	18	<5.0	12
Selenium	NE	NE	NE	-	<5.0	<5.0		<5.0	-	<5.0	<5.0	<5.0	<5.0	<5.0	-	<5.0	<5.0	<5.0	<5.0
Silver	NE	1.02	175	-	<0.20	<0.20		<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	<0.20	<0.20	<0.20
Thallium	NE	NE	0.24	-	<0.20	<0.20		0.4	-	<0.20	<0.20	<0.20	<0.20	6.6	-	0.4	0.56	<0.20	0.86
Vanadium	NE	NE	NE	-	<5.0	<5.0		<5.0	-	<5.0	<5.0	<5.0	<5.0	<5.0	-	<5.0	<5.0	<5.0	<5.0
Zinc	65	65	7,400	-	<10	<10		33	-	16	13	31	<10	**360**	-	**91**	**110**	<10	**190**

Notes:
Results presented in micrograms per liter (µg/L)
CTDEEP - Connecticut Department of Energy and Environmental Protection
Water Quality Standards updated November 15, 2015
NE- Not established
- Sample not analyzed for indicated parameter
Blue values indicate exceedance of Freshwater Aquatic Life Criteria-Acute
Bold values indicate exceedance of Freshwater Aquatic Life Criteria- Chronic
Gray shaded values indicate exceedance of Human Health Criteria Consumption of Water & Fish
< xx indicates compound was not detected. Detection limit is provided.

Tighe&Bond

Table 4
Analytical Summary of Soil Significant Environmental Hazard Deliniation
Hunts Brook Property
128 Moxly Raod
Montville, Connecticut

Sample Name	**SEH Area 1**		HA-1	HA-1	HA-2	HA-2	HA-3	HA-DUP 2	HA-3	HA-4	HA-4	HA-15	HA-16	HA-17	HA-18	HA-24	HA-24	HA-25	HA-25	HA-26	HA-26	HA-DUP-4-22-21														
Sample Depth	**CT DEEP RSRs**		0-1 ft	1-2 ft	0-1 ft	1-2 ft	0-1 ft	0-1 ft	1-2 ft	0-1 ft	1-2 ft	0-1 ft	1 - 2 ft	1 - 2 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	1 - 2 ft														
Sample Date			9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	11/5/2020	11/5/2020	11/5/2020	4/22/2021	4/22/2021	4/22/2021	4/22/2021	4/22/2021	4/22/2021	4/22/2021														
Lab Sample ID	RES DEC	RES SEH	CG83571	CG83572	CG83573	CG83574	CG83575	CG83579	CG83576	CG83577	CG83578	CG83580	CH10251	CH10252	CH10253	CI14470	CI14471	CI14472	CI14473	CI14474	CI14475	CI14486														
Parent Sample			-	-	-	-	-	HA-3 (0-1 ft)	-	-	-	-	-	-	-	-	-	-	-	-	-	CI14475														
Arsenic (mg/Kg)	10	150	**33.9**	**118**	**13.7**	**85.6**	**60.7**	**31.8**	**170**	5.51	**112**	9.83	**250**	**64.2**	**50.1**	**14.4**	**70.7**	**22.8**	**44.8**	**43.2**	**33.2**	**43**														
Sample Name	**SEH Area 2**		HA-5	HA-5	HA-6	HA-6	HA-7	HA-7	HA-8	HA-8	HA-14																										
Sample Depth	**CT DEEP RSRs**		0-1 ft	1-2 ft	0-1 ft	1-2 ft	0-1 ft	1-2 ft	0-1 ft	1-2 ft	0-1 ft																										
Sample Date			9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020																										
Lab Sample ID	RES DEC	RES SEH	CG83581	CG83582	CG83583	CG83584	CG83585	CG83586	CG83587	CG83588	CG83598																										
Parent Sample			-	-	-	-	-	-	-	-	-																										
Arsenic (mg/Kg)	10	150	**22.4**	**24.5**	**24.6**	**49**	**18.7**	**49.7**	**28.7**	**27.6**	**20**																										
Sample Name	**SEH Area 3**		HA-9	HA-9	HA-10	HA-10	HA-11	HA-11	HA-12	HA-12	HA-DUP	HA-13	HA-19	HA-20	HA-21	HA-22	HA-23	HA-27	HA-27	HA-28	HA-28	HA-29	HA-29	HA-30	HA-30	HA-31	HA-31									
Sample Depth	**CT DEEP RSRs**		0-1 ft	1-2 ft	0-1 ft	1-2 ft	0-1 ft	1-2 ft	0-1 ft	1-2 ft	1-2 ft	0-1 ft	1 - 2 ft	1 - 2 ft	1 - 2 ft	1 - 2 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft									
Sample Date			9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	11/5/2020	11/5/2020	11/5/2020	11/5/2020	11/5/2020	4/22/2021	4/22/2021	4/22/2021	4/22/2021	4/22/2021	4/22/2021	4/22/2021	4/22/2021	4/22/2021	4/22/2021									
Lab Sample ID	RES DEC	RES SEH	CG83589	CG83590	CG83591	CG83592	CG83593	CG83594	CG83595	CG83596	CG83599	CG83597	CH10255	CH10256	CH10254	CH10257	CH10258	CI14476	CI14477	CI14478	CI14479	CI14480	CI14481	CI14482	CI14483	CI14484	CI14485									
Parent Sample			-	-	-	-	-	-	-	-	HA-12 (1-2 ft)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Arsenic (mg/Kg)	10	150	**12.6**	**197**	**45.5**	**37.8**	**51.7**	**130**	**15.6**	**156**	**217**	**13.4**	**116**	**423**	**273**	**46.6**	**147**	**25.1**	**41.7**	**14**	**63.6**	**14.8**	**61.5**	**14.6**	**36.6**	**23.8**	**34.1**									

Notes:
CT DEEP RSRs - Connecticut Department of Energy & Environmental Protection Remediation Standard
RES DEC - Residential Direct Exposure Criteria
RES SEH - Residential Significant Environmental Hazard Criteria
mg/Kg - milligrams per kilogram
Bolded - Concentration exceeds RES DEC Criteria
Bolded and shaded - Concentration exceeds SEH Criteria

Tighe&Bond

APPENDIX A

Tighe&Bond
Engineers | Environmental Specialists

Boring No. **MW-101R**
Page 1 of 1
File No. E-0754-120
Checked by:

Project: Eversource-Hunts Brook Property
Location: 128 Moxley Road, Montville, CT
Client: Eversource Energy

Drilling Co. Cisco Geotechnical, LLC
Foreman: Dan
T&B Rep.: B. Caswell
Date Start: 12/18/19 End: 12/18/19
Location See Exploration Location Plan
GS. Elev. Datum: Not Surveyed

	Casing	Sampler
Type	-	MacroCore
I.D./O.D.	-	1.75/2
Length	-	5'
Rig Make/Model	Geoprobe 7822DT	
Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time

Depth (ft.)	Sample No. / Rec.(ft)	Sample Depth (ft.)	PID Reading (ppm)	Sample Description	General Stratigraphy	Notes	Well Construction
	4/5			0-0.5': Brown fine SAND, some Organics, little Silt,	**TOPSOIL**		Native Sand
		1-2	0.0	0.5-4': Grey fine SAND, some Coal Ash, trace Silt, dry	**SAND**		2" PVC Riser (0-4') / Bentonite (1-3')
		3-4	0.0				
				4-4.25': Green medium SAND, dry 4.25-5': COBBLES	**COBBELS**		
5	5/5	5-6	0.0				
				5-8':Grey silty SAND, little Coal Ash, wet			
		7-8	0.0				
				8-10': Light Grey fine SAND, trace Gravel, little Silt, wet			10 Slot Screen (4-14') / #00 Sand (3-14')
		9-10	0.0				
10	4.3/5			10-12': Grey medium to coarse SAND, little Silt, wet	**SAND**		
		11-12	0.0				
		13-14	0.0	12-15': Tan fine SAND, little Gravel, little Silt, wet			
15							
				End of boring at 15'			
20							
25							
30							

Notes:
1 . Groundwater encountered at 5 ft below ground surface during drilling operations.

Proportions Used

TRACE (TR.)	0 - <10%
LITTLE (LI.)	10 - <20%
SOME (SO.)	20 - <35%
AND	35 - <50%

Tighe&Bond
Engineers | Environmental Specialists

Boring No. **MW-104R**
Page 1 of 1
File No. E-0754-120
Checked by:

Project: Eversource-Hunts Brook Property
Location: 128 Moxley Road, Montville, CT
Client: Eversource Energy

Drilling Co. Cisco Geotechnical, LLC
Foreman: Dan
T&B Rep.: B. Caswell
Date Start: 12/18/19 End: 12/18/19
Location See Exploration Location Plan
GS. Elev. Datum: Not Surveyed

	Casing	Sampler
Type	-	MacroCore
I.D./O.D.	-	1.75/2
Length	-	5'
Rig Make/Model	Geoprobe 7822DT	
Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time

Depth (ft.)	Sample No. / Rec.(ft)	Sample Depth (ft.)	PID Reading (ppm)	Sample Description	General Stratigraphy	Notes	Well Construction
	4/5			0-0.5': Brown fine SAND, some Organics, little Silt,	**TOPSOIL**		Native Sand (0-2')
		1-2	0.0	0.5-2': Grey fine SAND, some Silt, trace Coal Ash, Dry			2" PVC Riser (0-5')
							Bentonite (2-4')
		3-4	0.0				
5							
	5/5	5-6	0.0	2-9.5': Grey silty SAND, little Coal Ash, wet			
		7-8	0.0		**SAND**		
		9-10	0.0				10 Slot Screen (5-15')
10							#00 Sand (4-15')
	4.3/5			9.5-12': Grey silty SAND, some Coal Ash, wet			
		11-12	0.0				
		13-14	0.0	12-15': Grey silty SAND, little Coal Ash, wet			
15							
				End of boring at 15'			
20							
25							
30							

Notes:
1 . Groundwater encountered at 2 ft below ground surface during drilling operations.

Proportions Used

TRACE (TR.)	0 - <10%
LITTLE (LI.)	10 - <20%
SOME (SO.)	20 - <35%
AND	35 - <50%

Tighe&Bond
Engineers | Environmental Specialists

Boring No. **MW-105R**
Page 1 of 1
File No. E-0754-120
Checked by:

Project: Eversource-Hunts Brook Property
Location: 128 Moxley Road, Montville, CT
Client: Eversource Energy

Drilling Co. Cisco Geotechnical, LLC
Foreman: Dan
T&B Rep.: B. Caswell
Date Start: 12/18/19 End: 12/18/19
Location See Exploration Location Plan
GS. Elev. Datum: Not Surveyed

	Casing	Sampler
Type	-	MacroCore
I.D./O.D.	-	1.75/2
Length	-	5'
Rig Make/Model		Geoprobe 7822DT
Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time

Depth (ft.)	Sample No. / Rec.(ft)	Sample Depth (ft.)	PID Reading (ppm)	Sample Description	General Stratigraphy	Notes	Well Construction
	4/5			0-0.5': Brown silty SAND, some Organics, moist	**TOPSOIL**		Native Sand (0-1')
		1-2	0.0	0.5-2.5': Grey fine SAND, some Gravel, little Slag, dry			2" PVC Riser (0-3') / Bentonite (1-2')
				2.5-3': Brown fine SAND, some Coal, some Slag,			
		3-4	0.0				
5				3-6': Grey silty SAND, wet			
	5/5	5-6	0.0				
				6-6.5': Grey silty SAND, little Coal Ash, wet			
				6.5-7.5': Grey silty SAND, wet			
		7-8	0.0	7.5-8': Grey fine SAND, little Coal Ash, some Silt, wet	**SAND**		10 Slot Screen (3-13') / #00 Sand (2-13')
		9-10	0.0				
10							
	4.3/5						
		11-12	0.0	8-14': Grey silty SAND, trace Coal Ash, wet			
		13-14	0.0				
				14-5': Grey fine to coarse SAND, some Coal Ash, wet			
15							
				End of boring at 15'			
20							
25							
30							

Notes:
1 . Groundwater encountered at 3 ft below ground surface during drilling operations.

Proportions Used

TRACE (TR.)	0 - <10%
LITTLE (LI.)	10 - <20%
SOME (SO.)	20 - <35%
AND	35 - <50%

Tighe&Bond

APPENDIX B

Low-Flow Data Sheet

Project Name: 125 Moxley Road
Project Number: E-0754126
Static Depth to Water (ft): 6.78
Depth to Bottom (ft): 14.80
Screen interval: 3-13'
Point of intake: ~10.5'

Well: MW-105R
Date: 1/8/20
Sample time: 0946 / 0947
Sampler: DJC
Purged (gal): 1 gal

Time (3-5 min.)	Discharge/ Pumping rate (100-400 mL/min)	DTW (ft) (<0.3 ft)	pH (+/- 0.1)	Temp. (°C) (<3%)	Turbidity (NTU) (< 5 NTU or <10%)	DO (mg/L) (<10%) or below 0.5	ORP (mV) (+/- 10 mV)	Specific Cond. (mS/cm) (<3%)
0915	100	6.91	4.46	7.3	3.91	6.95	299.8	0.399
0920		6.93	4.45	7.9	2.24	6.80	349.3	0.399
0925		6.96	4.45	7.4	1.36	5.92	421.3	0.401
0930		7.00	4.45	8.3	1.57	5.82	427.5	0.403
0935		7.02	4.45	8.2	2.32	5.54	395.7	0.411
0940		7.06	4.44	8.5	2.84	5.34	387.1	0.416
0945	↓	7.09	4.44	8.5	2.16	5.18	379.3	0.421
0946	Sampled							
0947	Collected Dup							

Analysis: VOCs / SVOCs / (Metals) / ETPH / Other- Field Filtered + PH
Sample Containers: HCl voas ____ 1L unpres Ambers____ HNO3 Plastic 2 Other 125mL PLASTIC
Pump: Bladder / (Peristaltic) / Grunfos / Other-

Color: Clear
Odor: None
Sheen: None

Turbidity: Low
Well Condition: Good - New
Repairs: N/A

Low-Flow Data Sheet

Project Name: 124 Moxley Road
Project Number: E-0754120
Static Depth to Water (ft): 9.46
Depth to Bottom (ft): 16.42'
Screen interval: 4-14'
Point of intake: ~10.5'

Well: MW-101R
Date: 1/4/20
Sample time: 1206
Sampler: DJC
Purged (gal): 1.5 gal

Time (3-5 min.)	Discharge/ Pumping rate (100-400 mL/min)	DTW (ft) (<0.3 ft)	pH (+/- 0.1)	Temp. (°C) (<3%)	Turbidity (NTU) (< 5 NTU or <10%)	DO (mg/L) (<10%) or below 0.5	ORP (mV) (+/- 10 mV)	Specific Cond. (mS/cm) (<3%)
1125	100	9.49	3.50	5.8	3.04	5.16	289.6	3.881
1130	↓	9.49	3.66	7.4	4.34	1.47	275.1	3.853
1135		9.49	3.76	8.2	4.15	0.85	269.7	3.821
1140		9.49	3.45	8.3	0.97	0.92	~~2.923~~	3.006
1145		9.49	3.34	8.1	0.62	0.97	323.8	2.433
1150		9.49	3.32	8.6	0.35	1.05	329.6	2.125
1155		9.49	3.30	8.5	1.03	1.07	331.9	2.036
1200		9.49	3.21	8.0	0.45	1.08	340.1	1.988
1205	↓	9.49	3.29	8.5	0.77	1.02	335.7	1.905
1206	Sampled							

Analysis: VOCs / SVOCs / (Metals) / ETPH / Other- Field Filtered + PH
Sample Containers: HCl voas ____ 1L unpres Ambers____ HNO3 Plastic 2 Other 1250mL PLASTICS
Pump: Bladder / (Peristalic) / Grunfos / Other-

Color: Clear
Odor: None
Sheen: None

Turbidity: Low
Well Condition: Good - New
Repairs: N/A

Low-Flow Data Sheet

Project Name: 126 Moxley Road
Project Number: E0754120
Static Depth to Water (ft): 7.67
Depth to Bottom (ft): 16.75'
Screen interval: 5-15'
Point of intake: ~11.00

Well: MW-104R
Date: 1/6/20
Sample time: 1406
Sampler: DJC
Purged (gal): 18 gl

Time (3-5 min.)	Discharge/ Pumping rate (100-400 mL/min)	DTW (ft) (<0.3 ft)	pH (+/- 0.1)	Temp. (°C) (<3%)	Turbidity (NTU) (< 5 NTU or <10%)	DO (mg/L) (<10%) or below 0.5	ORP (mV) (+/- 10 mV)	Specific Cond. (mS/cm) (<3%)
1335	100	7.74	3.55	7.4	2.21	2.33	342.8	0.766
1340	↓	7.81	3.59	8.1	0.96	1.12	343.8	0.751
1345		7.82	3.58	8.1	0.98	0.97	343.7	0.743
1350		7.82	3.59	8.4	2.27	0.86	341.4	0.748
1355		7.82	3.61	8.4	2.16	0.81	338.1	0.748
1400		7.83	3.62	8.4	2.51	0.74	335.7	0.749
1405	↓	7.83	3.63	8.5	2.04	0.70	334.6	0.747
1406	Sampled							

Analysis: VOCs / SVOCs / (Metals) / ETPH / Other- Field Filtered + PH
Sample Containers: HCl voas ____ 1L unpres Ambers____ HNO3 Plastic 2 Other 1-250mL PLASTS
Pump: Bladder / (Peristaltic) / Grunfos / Other-

Color: Clear
Odor: None
Sheen: None

Turbidity: Low
Well Condition: Good - New
Repairs: N/A

Low-Flow Data Sheet

Project Name: Hunts Brook Property
Project Number: E-0754-120
Static Depth to Water (ft): 6.64'
Depth to Bottom (ft): 15.35
Screen interval: 5.35-15.35'
Point of intake: ~11'

Well: MW-105R
Date: 5/5/2020
Sample time: 0946
Sampler: DJC
Purged (gal): 1.5 gal

Time (3-5 min.)	Discharge/ Pumping rate (100-400 mL/min)	DTW (ft) (<0.3 ft)	Temp. (°C) (<3%)	DO (mg/L) (<10%) or below 0.5	Specific Cond. (mS/cm) (<3%)	pH (+/- 0.1)	ORP (mV) (+/- 10 mV)	Turbidity (NTU) (< 5 NTU or <10%)
0850	150	6.77	9.1	5.60	0.319	5.07	330.7	4.95
0855		6.89	8.9	4.54	0.299	4.57	372.4	9.46
0900		6.89	9.0	4.38	0.297	4.56	386.6	8.11
0905		6.92	8.9	4.14	0.299	4.55	398.8	5.77
0910		6.93	8.4	4.04	0.308	4.53	402.5	6.87
0915		6.95	8.9	3.79	0.307	4.55	357.4	8.97
0920		6.97	8.4	3.71	0.315	4.51	351.7	7.16
0925		6.97	8.4	3.53	0.319	4.51	336.5	9.54
0930	100mL	6.97	9.0	3.22	0.327	4.50	331.1	6.51
0935		6.97	9.2	3.06	0.334	4.51	329.3	4.89
0940		6.97	9.2	3.07	0.342	4.50	325.6	4.30
0945		6.97	9.1	3.00	0.349	4.51	323.8	2.60
0946	Sampled							

Analysis: VOCs / SVOCs / (Metals) / ETPH / Other- PH
Sample Containers: HCl voas ____ 1L unpres Ambers____ HNO3 Plastic 2 Other 1-250mL ASIS
Pump: Bladder / (Peristaltic) / Grunfos / Other-

Color: Clear
Odor: None
Sheen: None

Turbidity: Low
Well Condition: Good-New
Repairs: N/A

Low-Flow Data Sheet

Project Name: Hunts Brook Property
Project Number: E-0754-120
Static Depth to Water (ft): 9.23
Depth to Bottom (ft): 17.30
Screen interval: 7.30 - 17.30'
Point of intake: ~13'

Well: MW-104R
Date: 5/5/2020
Sample time: 1111
Sampler: DJC
Purged (gal): 1.5

Time (3-5 min.)	Discharge/ Pumping rate (100-400 mL/min)	DTW (ft) (<0.3 ft)	Temp. (°C) (<3%)	DO (mg/L) (<10%) or below 0.5	Specific Cond. (mS/cm) (<3%)	pH (+/- 0.1)	ORP (mV) (+/- 10 mV)	Turbidity (NTU) (< 5 NTU or <10%)
1030	100	9.31	12.2	2.62	3.09	5.18	128.0	2.63
1035		9.33	11.9	0.71	3.11	5.35	102.6	1.25
1040		9.33	12.7	0.66	3.10	5.39	94.9	1.20
1045		9.33	12.3	1.69	1.76	4.53	270.1	1.18
1050		9.33	12.4	2.49	1.32	4.25	308.2	0.00
1055		9.33	12.2	2.31	1.04	4.11	325.9	0.00
1100		9.33	12.2	2.07	1.03	4.02	332.5	0.00
1105		9.33	11.9	2.04	1.01	3.97	338.2	0.00
1110		9.33	12.1	1.90	1.02	3.90	342.1	0.00
~~1115~~ 1111	Sampled							

Analysis: VOCs / SVOCs / Metals / ETPH / Other- PH
Sample Containers: HCl voas ____ 1L unpres Ambers____ HNO3 Plastic 2 Other 1 PL 250mL ASIS
Pump: Bladder / Peristaltic / Grunfos / Other-

Color: Clear
Odor: None
Sheen: None

Turbidity: Low
Well Condition: Good - NIW
Repairs: N/A

Low-Flow Data Sheet

Project Name: Hunts Brook Property
Project Number: E-0754-120
Static Depth to Water (ft): 7.25'
Depth to Bottom (ft): 15.70
Screen interval: 5.70 - 15.70'
Point of intake: ~11'

Well: MW-101R
Date: 5/5/2020
Sample time: 1251
Sampler: DJC
Purged (gal): 1.5

Time (3-5 min.)	Discharge/ Pumping rate (100-400 mL/min)	DTW (ft) (<0.3 ft)	Temp. (°C) (<3%)	DO (mg/L) (<10%) or below 0.5	Specific Cond. (mS/cm) (<3%)	pH (+/- 0.1)	ORP (mV) (+/- 10 mV)	Turbidity (NTU) (< 5 NTU or <10%)
1220	100	7.46	10.9	1.05	0.569	3.44	425.3	1.06
1225	↓	7.47	10.5	0.91	0.568	3.43	425.6	0.35
1230		7.48	10.6	0.86	0.563	3.45	420.6	1.45
1235		7.51	10.6	0.84	0.563	3.47	416.1	2.16
1240		7.53	10.6	0.88	0.559	3.49	411.7	1.49
1245		7.55	10.7	0.90	0.555	3.52	405.2	0.00
1250	↓	7.56	10.6	0.92	0.558	3.54	399.6	0.00
1251	Sampled							

Analysis: VOCs / SVOCs / (Metals) / ETPH / Other- PH
Sample Containers: HCl voas ___ 1L unpres Ambers___ HNO3 Plastic 2 Other 1 250mL PLASTIC
Pump: Bladder / (Peristaltic) / Grunfos / Other-

Color: Clear
Odor: None
Sheen: None

Turbidity: Low
Well Condition: Good - New
Repairs: N/A

Low-Flow Data Sheet

Project Name: Hunts Brook Property
Project Number: E-0754-120
Static Depth to Water (ft): 10.07
Depth to Bottom (ft): 15.51
Screen interval: 5-15
Point of intake: 14

Well: MW-19R
Date: 7/28/2020
Sample time: 12:55
Sampler: BPC
Purged (gal): 2.5

Time (3-5 min.)	Discharge/ Pumping rate (100-400 mL/min)	DTW (ft) (<0.3 ft)	Temp. (°C) (<3%)	DO (mg/L) (<10%) or below 0.5	Specific Cond. (mS/cm) (<3%)	pH (+/- 0.1)	ORP (mV) (+/- 10 mV)	Turbidity (NTU) (< 5 NTU or <10%)
11:55	150	11.13	14.9	0.51	0.65	3.90	248.8	76.47
12:00	150	11.27	14.9	0.37	0.593	3.97	307.7	34.90
12:05	150	11.34	14.6	0.40	0.535	3.96	326.0	32.29
12:10	150	11.53	14.7	0.34	0.481	3.95	361.6	23.65
12:15	150	11.72	14.6	0.52	0.454	3.94	374.3	14.61
12:20	150	11.84	14.2	0.69	0.445	3.95	372.6	10.46
12:25	150	11.91	14.2	1.06	0.432	3.96	367.4	3.83
12:30	150	11.95	14.0	1.23	0.423	3.94	369.1	2.71
12:35	150	12.02	14.2	1.78	0.413	3.94	366.9	2.09
12:40	150	12.02	14.1	1.91	0.403	3.93	369.2	1.96
12:45	150	12.02	14.0	2.06	0.393	3.94	371.8	1.74
12:50	150	12.02	14.09	1.99	0.396	3.90	372.6	1.55

Analysis: VOCs / SVOCs / Metals / ETPH / Other-
Sample Containers: HCl voas ____ 1L unpres Ambers____ HNO3 Plastic 2 Other 1 250 ml
Pump: Bladder / Peristalic / Grunfos / Other-

Color: clear
Odor: none
Sheen: none

Turbidity:
Well Condition: good
Repairs: none

Low-Flow Data Sheet

Project Name: Hunts Brook Property
Project Number: E-0754-120
Static Depth to Water (ft): 14.60
Depth to Bottom (ft): 17
Screen interval: 7-17
Point of intake: 16

Well: MW-104R
Date: 7/28/2020
Sample time: 1045
Sampler: BPC
Purged (gal): 1

Time (3-5 min.)	Discharge/ Pumping rate (100-400 mL/min)	DTW (ft) (<0.3 ft)	Temp. (°C) (<3%)	DO (mg/L) (<10%) or below 0.5	Specific Cond. (mS/cm) (<3%)	pH (+/- 0.1)	ORP (mV) (+/- 10 mV)	Turbidity (NTU) (< 5 NTU or <10%)
10:15	95	15.07	16.5	0.39	3.07	5.72	63.9	33.25
10:20	95	15.21	16.0	0.37	3.04	5.88	42.7	24.60
10:25	95	15.45	15.9	0.37	3.03	6.02	20.0	17.25
10:30	95	15.54	15.9	0.35	3.03	6.04	14.4	11.12
10:35	95	15.72	16.2	0.31	3.02	6.02	20.7	5.66
10:40		15.81	16.0	0.29	3.02	6.03	14.1	2.94

Analysis: VOCs / SVOCs / Metals / ETPH / Other- PA
Sample Containers: HCl voas ____ 1L unpres Ambers____ HNO3 Plastic 2 Other 1 250 pl
Pump: Bladder / Peristalic / Grunfos / Other-

Color: Clear
Odor: none
Sheen: none

Turbidity:
Well Condition: good
Repairs: none

Low-Flow Data Sheet

Project Name: Hunts Brook Property
Project Number: E-0754-120
Static Depth to Water (ft): 13.64
Depth to Bottom (ft): 15.11
Screen interval: 5-15
Point of intake: 15

Well: MW-105R
Date: 7/28/2020
Sample time:
Sampler: BPC
Purged (gal): 0.25

Time (3-5 min.)	Discharge/ Pumping rate (100-400 mL/min)	DTW (ft) (<0.3 ft)	Temp. (°C) (<3%)	DO (mg/L) (<10%) or below 0.5	Specific Cond. (mS/cm) (<3%)	pH (+/- 0.1)	ORP (mV) (+/- 10 mV)	Turbidity (NTU) (< 5 NTU or <10%)
9:15	112	14.30	13.1	0.34	2.33	4.64	199.7	116.8
9:20	112	14.63	13.5	0.33	2.32	4.61	201.9	107.4
9:25	112		13.6	0.57	2.31	4.61	201.1	42.03
9:30	[illegible] well	run	Dry - adjusting			flow		
9:35	[illegible]							
	make to adjust flow rate for continuous flow 4ml							
	collect as grab sample							

Analysis: VOCs / SVOCs / Metals / ETPH / Other-
Sample Containers: HCl voas ____ 1L unpres Ambers____ HNO3 Plastic_____ Other_____
Pump: Bladder / Peristalic / Grunfos / Other-

Color: _____
Odor: _____
Sheen: _____

Turbidity: _____
Well Condition: _____
Repairs: _____

Low-Flow Data Sheet

Project Name: Hubbs Brook
Project Number: 14-0754-1202
Static Depth to Water (ft): 9.53
Depth to Bottom (ft):
Screen interval:
Point of intake:

Well: MW-1012
Date: 11/5/20
Sample time: 1130
Sampler: BSL
Purged (gal): ~3

Time (3-5 min.)	Discharge/ Pumping rate (100-400 mL/min)	DTW (ft) (<0.3 ft)	Temp. (°C) (<3%)	DO (mg/L) (<10%) or below 0.5	Specific Cond. (mS/cm) (<3%)	pH (+/- 0.1)	ORP (mV) (+/- 10 mV)	Turbidity (NTU) (< 5 NTU or <10%)
11:20	100	9.63	14.91	4.11	3.365	3.43	293.1	5.66
11:25	100	9.82	14.60	0.55	3.324	3.37	312.6	4.47
11:30	100	9.83	14.54	0.40	3.250	3.26	318.8	3.20
11:35	100	9.83	14.56	0.35	3.206	3.24	323.9	2.87
11:40	100	9.83	14.50	0.31	3.161	3.23	326.4	2.33
11:45	100	9.83	14.52	0.24	3.074	3.24	328.5	1.97
11:50	100	9.83	14.49	0.30	3.037	3.24	327.2	1.84
11:55	100	9.83	14.44	0.27	3.037	3.26	326.5	1.87
12:00	100	9.86	14.49	0.30	3.042	3.24	326.0	1.13
12:05	100	9.86	14.49	0.27	3.041	3.24	325.7	1.23

Analysis: VOCs / SVOCs / Metals / ETPH / Other- PA
Sample Containers: HCl voas ____ 1L unpres Ambers____ HNO3 Plastic 2 Other 1 250ml unpres
Pump: Bladder / Peristaltic / Grunfos / Other-

Color: Clear
Odor: none
Sheen: no

Turbidity: low
Well Condition: good
Repairs: none

Low-Flow Data Sheet

Project Name: Hunts Brook
Project Number: E-0754-180
Static Depth to Water (ft): 14.31
Depth to Bottom (ft): 15.32
Screen interval: 5-15
Point of intake: 15.32

Well: MW-105R
Date: 11/5/20
Sample time: 10:30
Sampler: BJK
Purged (gal): N/A

Time (3-5 min.)	Discharge/ Pumping rate (100-400 mL/min)	DTW (ft) (<0.3 ft)	Temp. (°C) (<3%)	DO (mg/L) (<10%) or below 0.5	Specific Cond. (mS/cm) (<3%)	pH (+/- 0.1)	ORP (mV) (+/- 10 mV)	Turbidity (NTU) (< 5 NTU or <10%)
9:50	Well	Dry	unable	to slow	pump	flow	exceed	for Constant
9:55	supply	of	water					
900								
910								

Metals / ETPH / Other-
1L unpres Ambers____ HNO3 Plastic_____ Other_____
Other-

Turbidity: _____
Well Condition: _____
Repairs: _____

Low-Flow Data Sheet

Project Name: Items Bank
Project Number: E-07454-920
Static Depth to Water (ft): 14.56
Depth to Bottom (ft): 17.28
Screen interval: 7-17
Point of intake: 17.15

Well: MW-104
Date: 11/5/20
Sample time:
Sampler: BJK
Purged (gal): ~1.5 gal

Time (3-5 min.)	Discharge/ Pumping rate (100-400 mL/min)	DTW (ft) (<0.3 ft)	Temp. (°C) (<3%)	DO (mg/L) (<10%) or below 0.5	Specific Cond. (mS/cm) (<3%)	pH (+/- 0.1)	ORP (mV) (+/- 10 mV)	Turbidity (NTU) (< 5 NTU or <10%)
910	105	14.91	13.20	0.44	3.232	3.40	306.6	62.53
915	105	15.04	13.19	0.35	3.112	3.43	303.5	21.94
920	105	15.23	13.23	0.54	2.944	3.37	336.4	12.36
925	105	15.51	13.22	0.95	2.872	3.40	341.5	6.31
930	105	15.73	13.23	0.97	2.859	3.46	317.2	4.19
935	105	15.96	13.27	0.95	2.916	3.50	303.4	3.41
940	105	16.11	13.25	0.93	2.960	3.54	287.4	2.32
945	105	16.22	13.34	0.91	2.981	3.59	271.4	1.94
950	45	16.43	13.31	0.87	3.014	3.59	271.6	1.41
955	45	16.69	13.27	0.88	3.020	3.55	261.5	1.03
1000	70	16.82	13.45	0.71	2.971	3.64	263.0	0.97
1005	70	17.11	13.56	0.83	2.974	3.74	260.4	0.81
1010	70	WELL DRY			DRY, WILL RETURN AM			
WATER USED 3 GALLONS								

Analysis: VOCs / SVOCs / Metals / ETPH / Other- PFAS
Sample Containers: HCl voas ____ 1L unpres Ambers____ HNO3 Plastic 2 Other 1 250 unpres
Pump: Bladder / Peristaltic / Grunfos / Other-

Color: clear
Odor: none
Sheen: no

Turbidity:
Well Condition: good
Repairs: new

Low-Flow Data Sheet

Project Name: Hubbs Brook
Project Number: 14-0754-1202
Static Depth to Water (ft): 9.53
Depth to Bottom (ft): 15.51
Screen interval: 5-15
Point of intake: ~14'

Well: MW-1012
Date: 11/5/20
Sample time: 1120
Sampler: BSL
Purged (gal): ~3

Time (3-5 min.)	Discharge/ Pumping rate (100-400 mL/min)	DTW (ft) (<0.3 ft)	Temp. (°C) (<3%)	DO (mg/L) (<10%) or below 0.5	Specific Cond. (mS/cm) (<3%)	pH (+/- 0.1)	ORP (mV) (+/- 10 mV)	Turbidity (NTU) (< 5 NTU or <10%)
11:20	100	9.63	14.91	4.11	3.365	3.73	293.1	5.66
11:25	100	9.82	14.60	0.55	3.324	3.37	312.6	4.47
11:30	100	9.83	14.54	0.40	3.250	3.26	318.8	3.20
11:35	100	9.83	14.56	0.35	3.206	3.24	323.9	2.87
11:40	100	9.83	14.50	0.31	3.161	3.23	326.4	2.33
11:45	100	9.83	14.52	0.24	3.074	3.24	328.5	1.97
11:50	100	9.83	14.49	0.30	3.037	3.24	327.2	1.84
11:55	100	9.83	14.49	0.27	3.037	3.25	326.5	1.87
12:00	100	9.86	14.49	0.30	3.042	3.24	326.0	1.13
12:05	100	9.86	14.49	0.27	3.041	3.24	325.7	1.23

Analysis: VOCs / SVOCs / Metals / ETPH / Other- PA
Sample Containers: HCl voas ____ 1L unpres Ambers____ HNO3 Plastic 2 Other 1 250ml unpres
Pump: Bladder / Peristaltic / Grunfos / Other-

Color: Clear
Odor: none
Sheen: no

Turbidity: low
Well Condition: good
Repairs: none

Tighe&Bond

APPENDIX C

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

January 15, 2020

Jonathan Reich
Eversource Energy - MA (Monthly Billing)
One NSTAR Way, SUM SE-250
Westwood, MA 02090-9230

Project Location: Montville, CT
Client Job Number:
Project Number: 14-0754-120
Laboratory Work Order Number: 20A0361

Enclosed are results of analyses for samples received by the laboratory on January 9, 2020. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jessica L. Hoffman
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

Eversource Energy - MA (Monthly Billing)
One NSTAR Way, SUM SE-250
Westwood, MA 02090-9230
ATTN: Jonathan Reich

REPORT DATE: 1/15/2020

PURCHASE ORDER NUMBER: 10948702

PROJECT NUMBER: 14-0754-120

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 20A0361

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

PROJECT LOCATION: Montville, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SW-8	20A0361-01	Surface Water		SM21-22 4500 H B	
				SW-846 6010D	
				SW-846 6020B	
				SW-846 7470A	
SW-9	20A0361-02	Surface Water		SM21-22 4500 H B	
				SW-846 6010D	
				SW-846 6020B	
				SW-846 7470A	
SW-16	20A0361-03	Surface Water		SM21-22 4500 H B	
				SW-846 6010D	
				SW-846 6020B	
				SW-846 7470A	
SW-DUP	20A0361-04	Surface Water		SM21-22 4500 H B	
				SW-846 6010D	
				SW-846 6020B	
				SW-846 7470A	

con-test® ANALYTICAL LABORATORY
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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.

SM21-22 4500 H B

Qualifications:

H-05

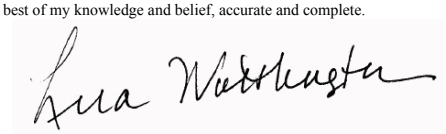
Holding time was exceeded. pH analysis should be performed immediately at time of sampling. Nominal 15 minute holding time was exceeded.

Analyte & Samples(s) Qualified:

pH

20A0361-01[SW-8], 20A0361-02[SW-9], 20A0361-03[SW-16], 20A0361-04[SW-DUP]

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
Technical Representative

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

Project Location: Montville, CT | Sample Description: | Work Order: 20A0361

Date Received: 1/9/2020

Field Sample #: SW-8 | Sampled: 1/8/2020 11:50

Sample ID: 20A0361-01

Sample Matrix: Surface Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 19:51	QNW
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	1/14/20	1/15/20 11:28	QNW
Barium	ND	10	µg/L	1		SW-846 6020B	1/14/20	1/14/20 19:51	QNW
Beryllium	ND	0.40	µg/L	1		SW-846 6020B	1/14/20	1/14/20 19:51	QNW
Cadmium	ND	0.20	µg/L	1		SW-846 6020B	1/14/20	1/14/20 19:51	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 19:51	QNW
Copper	ND	1.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 19:51	QNW
Iron	0.71	0.050	mg/L	1		SW-846 6010D	1/14/20	1/15/20 0:23	TBC
Lead	ND	0.50	µg/L	1		SW-846 6020B	1/14/20	1/14/20 19:51	QNW
Manganese	47	1.0	µg/L	1		SW-846 6020B	1/14/20	1/15/20 11:28	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	1/13/20	1/14/20 12:36	CJV
Nickel	ND	5.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 19:51	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 19:51	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	1/14/20	1/14/20 19:51	QNW
Thallium	ND	0.20	µg/L	1		SW-846 6020B	1/14/20	1/14/20 19:51	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 19:51	QNW
Zinc	ND	10	µg/L	1		SW-846 6020B	1/14/20	1/14/20 19:51	QNW

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

Project Location: Montville, CT | Sample Description: | Work Order: 20A0361

Date Received: 1/9/2020

Field Sample #: SW-8 | Sampled: 1/8/2020 11:50

Sample ID: 20A0361-01

Sample Matrix: Surface Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 12:39	QNW
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	1/10/20	1/13/20 12:39	QNW
Barium	ND	10	µg/L	1		SW-846 6020B	1/10/20	1/13/20 12:39	QNW
Beryllium	ND	0.40	µg/L	1		SW-846 6020B	1/10/20	1/13/20 12:39	QNW
Cadmium	ND	0.20	µg/L	1		SW-846 6020B	1/10/20	1/13/20 12:39	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 12:39	QNW
Copper	ND	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 12:39	QNW
Iron	0.51	0.050	mg/L	1		SW-846 6010D	1/10/20	1/13/20 16:51	TBC
Lead	ND	0.50	µg/L	1		SW-846 6020B	1/10/20	1/13/20 12:39	QNW
Manganese	49	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 12:39	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	1/13/20	1/14/20 11:32	CJV
Nickel	ND	5.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 12:39	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 12:39	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	1/10/20	1/13/20 12:39	QNW
Thallium	ND	0.20	µg/L	1		SW-846 6020B	1/10/20	1/13/20 12:39	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 12:39	QNW
Zinc	ND	10	µg/L	1		SW-846 6020B	1/10/20	1/13/20 12:39	QNW

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

Project Location: Montville, CT | Sample Description: | Work Order: 20A0361

Date Received: 1/9/2020

Field Sample #: SW-8 | Sampled: 1/8/2020 11:50

Sample ID: 20A0361-01

Sample Matrix: Surface Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
pH @18.1°C	6.3		pH Units	1	H-05	SM21-22 4500 H B	1/9/20	1/9/20 22:00	MMH

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

Project Location: Montville, CT | Sample Description: | Work Order: 20A0361

Date Received: 1/9/2020

Field Sample #: SW-9 | Sampled: 1/8/2020 11:00

Sample ID: 20A0361-02

Sample Matrix: Surface Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:14	QNW
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	1/14/20	1/15/20 11:30	QNW
Barium	ND	10	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:14	QNW
Beryllium	ND	0.40	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:14	QNW
Cadmium	ND	0.20	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:14	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:14	QNW
Copper	ND	1.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:14	QNW
Iron	1.3	0.050	mg/L	1		SW-846 6010D	1/14/20	1/15/20 0:30	TBC
Lead	ND	0.50	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:14	QNW
Manganese	61	1.0	µg/L	1		SW-846 6020B	1/14/20	1/15/20 11:30	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	1/13/20	1/14/20 12:37	CJV
Nickel	ND	5.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:14	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:14	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:14	QNW
Thallium	ND	0.20	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:14	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:14	QNW
Zinc	28	10	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:14	QNW

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

Project Location: Montville, CT | Sample Description: | Work Order: 20A0361

Date Received: 1/9/2020

Field Sample #: SW-9 | Sampled: 1/8/2020 11:00

Sample ID: 20A0361-02

Sample Matrix: Surface Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:15	QNW
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:15	QNW
Barium	ND	10	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:15	QNW
Beryllium	ND	0.40	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:15	QNW
Cadmium	ND	0.20	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:15	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:15	QNW
Copper	1.8	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:15	QNW
Iron	ND	0.050	mg/L	1		SW-846 6010D	1/10/20	1/13/20 16:57	TBC
Lead	ND	0.50	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:15	QNW
Manganese	63	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:15	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	1/13/20	1/14/20 11:34	CJV
Nickel	ND	5.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:15	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:15	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:15	QNW
Thallium	ND	0.20	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:15	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:15	QNW
Zinc	16	10	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:15	QNW

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

Project Location: Montville, CT | Sample Description: | Work Order: 20A0361

Date Received: 1/9/2020

Field Sample #: SW-9 | Sampled: 1/8/2020 11:00

Sample ID: 20A0361-02

Sample Matrix: Surface Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
pH @18°C	5.4		pH Units	1	H-05	SM21-22 4500 H B	1/9/20	1/9/20 22:00	MMH

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

Project Location: Montville, CT | Sample Description: | Work Order: 20A0361

Date Received: 1/9/2020

Field Sample #: SW-16 | Sampled: 1/8/2020 11:20

Sample ID: 20A0361-03

Sample Matrix: Surface Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:17	QNW
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	1/14/20	1/15/20 11:32	QNW
Barium	25	10	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:17	QNW
Beryllium	0.92	0.40	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:17	QNW
Cadmium	0.27	0.20	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:17	QNW
Chromium	1.6	1.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:17	QNW
Copper	9.4	1.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:17	QNW
Iron	8.9	0.050	mg/L	1		SW-846 6010D	1/14/20	1/15/20 0:38	TBC
Lead	5.4	0.50	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:17	QNW
Manganese	70	1.0	µg/L	1		SW-846 6020B	1/14/20	1/15/20 11:32	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	1/13/20	1/14/20 12:39	CJV
Nickel	12	5.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:17	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:17	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:17	QNW
Thallium	0.39	0.20	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:17	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:17	QNW
Zinc	85	10	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:17	QNW

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

Project Location: Montville, CT | Sample Description: | Work Order: 20A0361

Date Received: 1/9/2020

Field Sample #: SW-16 | Sampled: 1/8/2020 11:20

Sample ID: 20A0361-03

Sample Matrix: Surface Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:18	QNW
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:18	QNW
Barium	25	10	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:18	QNW
Beryllium	0.98	0.40	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:18	QNW
Cadmium	0.25	0.20	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:18	QNW
Chromium	1.8	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:18	QNW
Copper	11	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:18	QNW
Iron	4.4	0.050	mg/L	1		SW-846 6010D	1/10/20	1/13/20 17:03	TBC
Lead	5.3	0.50	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:18	QNW
Manganese	72	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:18	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	1/13/20	1/14/20 11:35	CJV
Nickel	13	5.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:18	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:18	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:18	QNW
Thallium	0.40	0.20	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:18	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:18	QNW
Zinc	91	10	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:18	QNW

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

Project Location: Montville, CT | Sample Description: | Work Order: 20A0361

Date Received: 1/9/2020

Field Sample #: SW-16 | Sampled: 1/8/2020 11:20

Sample ID: 20A0361-03

Sample Matrix: Surface Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
pH @17.9°C	3.2		pH Units	1	H-05	SM21-22 4500 H B	1/9/20	1/9/20 22:00	MMH

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

Project Location: Montville, CT | Sample Description: | Work Order: 20A0361

Date Received: 1/9/2020

Field Sample #: SW-DUP | Sampled: 1/8/2020 11:01

Sample ID: 20A0361-04

Sample Matrix: Surface Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:20	QNW
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	1/14/20	1/15/20 11:34	QNW
Barium	ND	10	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:20	QNW
Beryllium	ND	0.40	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:20	QNW
Cadmium	ND	0.20	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:20	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:20	QNW
Copper	1.8	1.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:20	QNW
Iron	1.4	0.050	mg/L	1		SW-846 6010D	1/14/20	1/15/20 0:57	TBC
Lead	ND	0.50	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:20	QNW
Manganese	61	1.0	µg/L	1		SW-846 6020B	1/14/20	1/15/20 11:34	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	1/13/20	1/14/20 12:45	CJV
Nickel	ND	5.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:20	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:20	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:20	QNW
Thallium	ND	0.20	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:20	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:20	QNW
Zinc	12	10	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:20	QNW

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

Project Location: Montville, CT | Sample Description: | Work Order: 20A0361

Date Received: 1/9/2020

Field Sample #: SW-DUP | Sampled: 1/8/2020 11:01

Sample ID: 20A0361-04

Sample Matrix: Surface Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:21	QNW
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:21	QNW
Barium	ND	10	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:21	QNW
Beryllium	ND	0.40	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:21	QNW
Cadmium	ND	0.20	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:21	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:21	QNW
Copper	1.3	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:21	QNW
Iron	ND	0.050	mg/L	1		SW-846 6010D	1/10/20	1/13/20 17:09	TBC
Lead	ND	0.50	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:21	QNW
Manganese	62	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:21	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	1/13/20	1/14/20 11:37	CJV
Nickel	ND	5.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:21	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:21	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:21	QNW
Thallium	ND	0.20	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:21	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:21	QNW
Zinc	13	10	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:21	QNW

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

Project Location: Montville, CT | Sample Description: | Work Order: 20A0361

Date Received: 1/9/2020

Field Sample #: SW-DUP | Sampled: 1/8/2020 11:01

Sample ID: 20A0361-04

Sample Matrix: Surface Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
pH @18.6°C	5.2		pH Units	1	H-05	SM21-22 4500 H B	1/9/20	1/9/20 22:00	MMH

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

Sample Extraction Data

SM21-22 4500 H B

Lab Number [Field ID]	Batch	Initial [mL]	Date
20A0361-01 [SW-8]	B249744	50.0	01/09/20
20A0361-02 [SW-9]	B249744	50.0	01/09/20
20A0361-03 [SW-16]	B249744	50.0	01/09/20
20A0361-04 [SW-DUP]	B249744	50.0	01/09/20

Prep Method: SW-846 3005A Dissolved-SW-846 6010D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20A0361-01 [SW-8]	B249811	50.0	50.0	01/10/20
20A0361-02 [SW-9]	B249811	50.0	50.0	01/10/20
20A0361-03 [SW-16]	B249811	50.0	50.0	01/10/20
20A0361-04 [SW-DUP]	B249811	50.0	50.0	01/10/20

Prep Method: SW-846 3005A-SW-846 6010D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20A0361-01 [SW-8]	B249985	50.0	50.0	01/14/20
20A0361-02 [SW-9]	B249985	50.0	50.0	01/14/20
20A0361-03 [SW-16]	B249985	50.0	50.0	01/14/20
20A0361-04 [SW-DUP]	B249985	50.0	50.0	01/14/20

Prep Method: SW-846 3005A Dissolved-SW-846 6020B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20A0361-01 [SW-8]	B249810	50.0	50.0	01/10/20
20A0361-02 [SW-9]	B249810	50.0	50.0	01/10/20
20A0361-03 [SW-16]	B249810	50.0	50.0	01/10/20
20A0361-04 [SW-DUP]	B249810	50.0	50.0	01/10/20

Prep Method: SW-846 3005A-SW-846 6020B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20A0361-01 [SW-8]	B249984	50.0	50.0	01/14/20
20A0361-02 [SW-9]	B249984	50.0	50.0	01/14/20
20A0361-03 [SW-16]	B249984	50.0	50.0	01/14/20
20A0361-04 [SW-DUP]	B249984	50.0	50.0	01/14/20

Prep Method: SW-846 7470A Prep-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20A0361-01 [SW-8]	B249880	6.00	6.00	01/13/20
20A0361-02 [SW-9]	B249880	6.00	6.00	01/13/20
20A0361-03 [SW-16]	B249880	6.00	6.00	01/13/20
20A0361-04 [SW-DUP]	B249880	6.00	6.00	01/13/20

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Sample Extraction Data

Prep Method: SW-846 7470A Dissolved-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20A0361-01 [SW-8]	B249884	6.00	6.00	01/13/20
20A0361-02 [SW-9]	B249884	6.00	6.00	01/13/20
20A0361-03 [SW-16]	B249884	6.00	6.00	01/13/20
20A0361-04 [SW-DUP]	B249884	6.00	6.00	01/13/20

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B249880 - SW-846 7470A Prep										
Blank (B249880-BLK1)				Prepared: 01/13/20 Analyzed: 01/14/20						
Mercury	ND	0.00010	mg/L							
LCS (B249880-BS1)				Prepared: 01/13/20 Analyzed: 01/14/20						
Mercury	0.00401	0.00010	mg/L	0.00400		100	80-120			
LCS Dup (B249880-BSD1)				Prepared: 01/13/20 Analyzed: 01/14/20						
Mercury	0.00411	0.00010	mg/L	0.00400		103	80-120	2.40	20	
Duplicate (B249880-DUP1)		**Source: 20A0361-01**		Prepared: 01/13/20 Analyzed: 01/14/20						
Mercury	ND	0.00010	mg/L		ND			NC	20	
Matrix Spike (B249880-MS1)		**Source: 20A0361-01**		Prepared: 01/13/20 Analyzed: 01/14/20						
Mercury	0.00391	0.00010	mg/L	0.00400	0.0000459	96.7	75-125			
Batch B249984 - SW-846 3005A										
Blank (B249984-BLK1)				Prepared & Analyzed: 01/14/20						
Antimony	ND	1.0	µg/L							
Arsenic	ND	0.80	µg/L							
Barium	ND	10	µg/L							
Beryllium	ND	0.40	µg/L							
Cadmium	ND	0.20	µg/L							
Chromium	ND	1.0	µg/L							
Copper	ND	1.0	µg/L							
Lead	ND	0.50	µg/L							
Manganese	ND	1.0	µg/L							
Nickel	ND	5.0	µg/L							
Selenium	ND	5.0	µg/L							
Silver	ND	0.20	µg/L							
Thallium	ND	0.20	µg/L							
Vanadium	ND	5.0	µg/L							
Zinc	ND	10	µg/L							
LCS (B249984-BS1)				Prepared & Analyzed: 01/14/20						
Antimony	490	10	µg/L	500		97.9	80-120			
Arsenic	518	8.0	µg/L	500		104	80-120			
Barium	505	100	µg/L	500		101	80-120			
Beryllium	477	4.0	µg/L	500		95.4	80-120			
Cadmium	501	2.0	µg/L	500		100	80-120			
Chromium	482	10	µg/L	500		96.5	80-120			
Copper	943	10	µg/L	1000		94.3	80-120			
Lead	509	5.0	µg/L	500		102	80-120			
Manganese	495	10	µg/L	500		99.0	80-120			
Nickel	495	50	µg/L	500		99.0	80-120			
Selenium	515	50	µg/L	500		103	80-120			
Silver	485	2.0	µg/L	500		97.0	80-120			
Thallium	471	2.0	µg/L	500		94.3	80-120			
Vanadium	494	50	µg/L	500		98.9	80-120			
Zinc	1000	100	µg/L	1000		100	80-120			

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B249984 - SW-846 3005A										
LCS Dup (B249984-BSD1)				Prepared & Analyzed: 01/14/20						
Antimony	511	10	µg/L	500		102	80-120	4.38	20	
Arsenic	516	8.0	µg/L	500		103	80-120	0.551	20	
Barium	524	100	µg/L	500		105	80-120	3.57	20	
Beryllium	518	4.0	µg/L	500		104	80-120	8.23	20	
Cadmium	523	2.0	µg/L	500		105	80-120	4.40	20	
Chromium	523	10	µg/L	500		105	80-120	8.10	20	
Copper	1020	10	µg/L	1000		102	80-120	8.16	20	
Lead	527	5.0	µg/L	500		105	80-120	3.60	20	
Manganese	539	10	µg/L	500		108	80-120	8.60	20	
Nickel	535	50	µg/L	500		107	80-120	7.82	20	
Selenium	538	50	µg/L	500		108	80-120	4.37	20	
Silver	506	2.0	µg/L	500		101	80-120	4.36	20	
Thallium	484	2.0	µg/L	500		96.8	80-120	2.67	20	
Vanadium	535	50	µg/L	500		107	80-120	7.82	20	
Zinc	1040	100	µg/L	1000		104	80-120	3.96	20	
Duplicate (B249984-DUP1)	**Source: 20A0361-01**			Prepared & Analyzed: 01/14/20						
Antimony	ND	1.0	µg/L		ND			NC	20	
Arsenic	ND	0.80	µg/L		ND			NC	20	
Barium	ND	10	µg/L		ND			NC	20	
Beryllium	ND	0.40	µg/L		ND			NC	20	
Cadmium	ND	0.20	µg/L		ND			NC	20	
Chromium	ND	1.0	µg/L		ND			NC	20	
Copper	ND	1.0	µg/L		ND			NC	20	
Lead	ND	0.50	µg/L		ND			NC	20	
Manganese	50.4	1.0	µg/L		47.1			6.57	20	
Nickel	ND	5.0	µg/L		ND			NC	20	
Selenium	ND	5.0	µg/L		ND			NC	20	
Silver	ND	0.20	µg/L		ND			NC	20	
Thallium	ND	0.20	µg/L		ND			NC	20	
Vanadium	ND	5.0	µg/L		ND			NC	20	
Zinc	ND	10	µg/L		ND			NC	20	
Matrix Spike (B249984-MS1)	**Source: 20A0361-01**			Prepared & Analyzed: 01/14/20						
Antimony	490	10	µg/L	500	ND	98.0	75-125			
Arsenic	564	8.0	µg/L	500	ND	113	75-125			
Barium	518	100	µg/L	500	ND	104	75-125			
Beryllium	496	4.0	µg/L	500	ND	99.2	75-125			
Cadmium	506	2.0	µg/L	500	ND	101	75-125			
Chromium	497	10	µg/L	500	ND	99.4	75-125			
Copper	976	10	µg/L	1000	ND	97.6	75-125			
Lead	517	5.0	µg/L	500	ND	103	75-125			
Manganese	567	10	µg/L	500	47.1	104	75-125			
Nickel	511	50	µg/L	500	ND	102	75-125			
Selenium	531	50	µg/L	500	ND	106	75-125			
Silver	449	2.0	µg/L	500	ND	89.7	75-125			
Thallium	475	2.0	µg/L	500	ND	95.0	75-125			
Vanadium	509	50	µg/L	500	ND	102	75-125			
Zinc	1040	100	µg/L	1000	ND	104	75-125			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B249985 - SW-846 3005A										
Blank (B249985-BLK1)				Prepared & Analyzed: 01/14/20						
Iron	ND	0.050	mg/L							
LCS (B249985-BS1)				Prepared & Analyzed: 01/14/20						
Iron	4.08	0.050	mg/L	4.00		102	80-120			
LCS Dup (B249985-BSD1)				Prepared & Analyzed: 01/14/20						
Iron	3.96	0.050	mg/L	4.00		99.1	80-120	2.81	20	
Duplicate (B249985-DUP1)		**Source: 20A0361-01**		Prepared: 01/14/20 Analyzed: 01/15/20						
Iron	0.712	0.050	mg/L		0.710			0.301	20	
Matrix Spike (B249985-MS1)		**Source: 20A0361-01**		Prepared & Analyzed: 01/14/20						
Iron	4.74	0.050	mg/L	4.00	0.710	101	75-125			

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B249810 - SW-846 3005A Dissolved										
Blank (B249810-BLK1)				Prepared: 01/10/20 Analyzed: 01/13/20						
Antimony	ND	1.0	µg/L							
Arsenic	ND	0.80	µg/L							
Barium	ND	10	µg/L							
Beryllium	ND	0.40	µg/L							
Cadmium	ND	0.20	µg/L							
Chromium	ND	1.0	µg/L							
Copper	ND	1.0	µg/L							
Lead	ND	0.50	µg/L							
Manganese	ND	1.0	µg/L							
Nickel	ND	5.0	µg/L							
Selenium	ND	5.0	µg/L							
Silver	ND	0.20	µg/L							
Thallium	ND	0.20	µg/L							
Vanadium	ND	5.0	µg/L							
Zinc	ND	10	µg/L							
LCS (B249810-BS1)				Prepared: 01/10/20 Analyzed: 01/13/20						
Antimony	517	10	µg/L	500		103	80-120			
Arsenic	521	8.0	µg/L	500		104	80-120			
Barium	502	100	µg/L	500		100	80-120			
Beryllium	523	4.0	µg/L	500		105	80-120			
Cadmium	531	2.0	µg/L	500		106	80-120			
Chromium	511	10	µg/L	500		102	80-120			
Copper	1010	10	µg/L	1000		101	80-120			
Lead	511	5.0	µg/L	500		102	80-120			
Manganese	496	10	µg/L	500		99.2	80-120			
Nickel	509	50	µg/L	500		102	80-120			
Selenium	506	50	µg/L	500		101	80-120			
Silver	505	2.0	µg/L	500		101	80-120			
Thallium	484	2.0	µg/L	500		96.8	80-120			
Vanadium	493	50	µg/L	500		98.6	80-120			
Zinc	1030	100	µg/L	1000		103	80-120			
LCS Dup (B249810-BSD1)				Prepared: 01/10/20 Analyzed: 01/13/20						
Antimony	518	10	µg/L	500		104	80-120	0.244	20	
Arsenic	521	8.0	µg/L	500		104	80-120	0.0413	20	
Barium	501	100	µg/L	500		100	80-120	0.201	20	
Beryllium	523	4.0	µg/L	500		105	80-120	0.0980	20	
Cadmium	532	2.0	µg/L	500		106	80-120	0.265	20	
Chromium	509	10	µg/L	500		102	80-120	0.385	20	
Copper	1020	10	µg/L	1000		102	80-120	0.587	20	
Lead	510	5.0	µg/L	500		102	80-120	0.0597	20	
Manganese	499	10	µg/L	500		99.8	80-120	0.622	20	
Nickel	508	50	µg/L	500		102	80-120	0.163	20	
Selenium	510	50	µg/L	500		102	80-120	0.731	20	
Silver	502	2.0	µg/L	500		100	80-120	0.522	20	
Thallium	482	2.0	µg/L	500		96.4	80-120	0.430	20	
Vanadium	490	50	µg/L	500		98.1	80-120	0.542	20	
Zinc	1040	100	µg/L	1000		104	80-120	1.16	20	

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B249810 - SW-846 3005A Dissolved										
Duplicate (B249810-DUP1)	**Source: 20A0361-01**			Prepared: 01/10/20 Analyzed: 01/13/20						
Antimony	ND	1.0	µg/L		ND			NC	20	
Arsenic	ND	0.80	µg/L		ND			NC	20	
Barium	ND	10	µg/L		ND			NC	20	
Beryllium	ND	0.40	µg/L		ND			NC	20	
Cadmium	ND	0.20	µg/L		ND			NC	20	
Chromium	ND	1.0	µg/L		ND			NC	20	
Copper	ND	1.0	µg/L		ND			NC	20	
Lead	ND	0.50	µg/L		ND			NC	20	
Manganese	48.6	1.0	µg/L		48.9			0.569	20	
Nickel	ND	5.0	µg/L		ND			NC	20	
Selenium	ND	5.0	µg/L		ND			NC	20	
Silver	ND	0.20	µg/L		ND			NC	20	
Thallium	ND	0.20	µg/L		ND			NC	20	
Vanadium	ND	5.0	µg/L		ND			NC	20	
Zinc	ND	10	µg/L		ND			NC	20	
Matrix Spike (B249810-MS1)	**Source: 20A0361-01**			Prepared: 01/10/20 Analyzed: 01/13/20						
Antimony	518	10	µg/L	500	ND	104	75-125			
Arsenic	525	8.0	µg/L	500	ND	105	75-125			
Barium	508	100	µg/L	500	ND	102	75-125			
Beryllium	531	4.0	µg/L	500	ND	106	75-125			
Cadmium	533	2.0	µg/L	500	ND	107	75-125			
Chromium	521	10	µg/L	500	ND	104	75-125			
Copper	1020	10	µg/L	1000	ND	102	75-125			
Lead	516	5.0	µg/L	500	ND	103	75-125			
Manganese	555	10	µg/L	500	48.9	101	75-125			
Nickel	514	50	µg/L	500	ND	103	75-125			
Selenium	516	50	µg/L	500	ND	103	75-125			
Silver	460	2.0	µg/L	500	ND	92.1	75-125			
Thallium	489	2.0	µg/L	500	ND	97.8	75-125			
Vanadium	501	50	µg/L	500	ND	100	75-125			
Zinc	1040	100	µg/L	1000	ND	104	75-125			
Batch B249811 - SW-846 3005A Dissolved										
Blank (B249811-BLK1)				Prepared: 01/10/20 Analyzed: 01/13/20						
Iron	ND	0.050	mg/L							
LCS (B249811-BS1)				Prepared: 01/10/20 Analyzed: 01/13/20						
Iron	4.13	0.050	mg/L	4.00		103	80-120			
LCS Dup (B249811-BSD1)				Prepared: 01/10/20 Analyzed: 01/13/20						
Iron	4.38	0.050	mg/L	4.00		109	80-120	5.85	20	

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B249811 - SW-846 3005A Dissolved										
Duplicate (B249811-DUP1)		**Source: 20A0361-01**		Prepared: 01/10/20 Analyzed: 01/13/20						
Iron	0.508	0.050	mg/L		0.513			0.911	20	
Matrix Spike (B249811-MS1)		**Source: 20A0361-01**		Prepared: 01/10/20 Analyzed: 01/13/20						
Iron	4.54	0.050	mg/L	4.00	0.513	101	75-125			
Batch B249884 - SW-846 7470A Dissolved										
Blank (B249884-BLK1)				Prepared: 01/13/20 Analyzed: 01/14/20						
Mercury	ND	0.00010	mg/L							
LCS (B249884-BS1)				Prepared: 01/13/20 Analyzed: 01/14/20						
Mercury	0.00394	0.00010	mg/L	0.00400		98.5	80-120			
LCS Dup (B249884-BSD1)				Prepared: 01/13/20 Analyzed: 01/14/20						
Mercury	0.00404	0.00010	mg/L	0.00400		101	80-120	2.39	20	

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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 B249744 - SM21-22 4500 H B										
LCS (B249744-BS1)				Prepared & Analyzed: 01/09/20						
pH	5.98		pH Units	6.00		99.8	90-110			
LCS (B249744-BS2)				Prepared & Analyzed: 01/09/20						
pH	5.98		pH Units	6.00		99.7	90-110			

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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.
H-05	Holding time was exceeded. pH analysis should be performed immediately at time of sampling. Nominal 15 minute holding time was exceeded.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-22 4500 H B in Water	
pH	CT,MA,RI
SW-846 6010D in Water	
Iron	CT,NH,NY,ME,VA,NC
Iron	CT,NH,NY,ME,NC,VA
SW-846 6020B in Water	
Antimony	CT,NH,NY,ME,VA,NC
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,NC,ME,VA
Arsenic	CT,NH,NY,ME,VA,NC
Barium	MA,NY,CT,NC,NH,ME,VA
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,NC,ME,VA
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,NC,ME,VA
Cadmium	CT,NH,NY,RI,ME,VA,NC
Chromium	CT,NH,NY,NC,ME,VA
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,NC,ME,VA
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,NC,ME,VA
Manganese	CT,NH,NY,NC,ME,VA
Manganese	CT,NH,NY,ME,VA,NC
Nickel	CT,NH,NY,NC,ME,VA
Nickel	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,NC,ME,VA
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Silver	CT,NC,NH,NY,ME,VA
Thallium	CT,NH,NY,NC,ME,VA
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,NC,ME,VA
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,NC,ME,VA
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
Mercury	CT,NH,NY,NC,ME,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2020
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2021
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	12/30/2020
NC	North Carolina Div. of Water Quality	652	12/31/2020
NJ	New Jersey DEP	MA007 NELAP	06/30/2020
FL	Florida Department of Health	E871027 NELAP	06/30/2020
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2020
ME	State of Maine	2011028	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2020
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2020
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2020
NC-DW	North Carolina Department of Health	25703	07/31/2020
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2020

JLH 20A0361

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Doc # 381 Rev 2_06262019

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

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

Company Name:	NSTAR/Eversource - Monthly Billing
Address:	247 Station Drive, Westwood, MA 02090
Phone:	781-441-3807
Project Name:	Hunts Brook Property
Project Location:	Montville, CT
Project Number:	14-0754-120
Project Manager:	Jonathan E. Reich
Con-Test Quote Name/Number:	
Invoice Recipient:	NSTAR/Eversource - Monthly Billing
Sampled By:	

Requested Turnaround Time
7-Day ☑ 10-Day ☐
PFAS 10-Day (std) ☐ 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: LEWilley@tighebond.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☐
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	Total CT DEEP RSR 15 Metals	Total Iron and Manganese	Dissolved CT DEEP RSR 15 Metals	Dissolved Iron and Manganese	pH
1	SW-8	1/8/20	1150	Grab	SW				3			X	X	X	X	X
2	SW-9	1/8/20	1100	Grab	SW				3			X	X	X	X	X
3	SW-16	1/8/20	1120	Grab	SW				3			X	X	X	X	X
4	SW-DUP	1/8/20	1101	Grab	SW				3			X	X	X	X	X

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS
GLASS
PLASTIC
BACTERIA
ENCORE

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Contest is not responsible for missing samples from prepacked coolers

[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)

Relinquished by: (signature)	Date/Time: 1/8/20 1600
Received by: (signature) THS Friday	Date/Time: 1/9/20 1600
Relinquished by: (signature) THS Friday	Date/Time: 1/9/20 11:17
Received by: (signature)	Date/Time: 1/9/20 11:22
Relinquished by: (signature)	Date/Time: 1/9/20 4:15
Received by: (signature)	Date/Time: 1/9 415
Relinquished by: (signature)	Date/Time: 1/9/20 1720
Received by: (signature)	Date/Time: 1/9/20 1720

Client Comments:
Con-Test PO:-PO#10948702
FWO (Eversource work order): HUNTBRK1
Company #: 11 Cost Center: 07D

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 #

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

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

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Client Comments:
FF = Field Filtered and Should be used for Dissolved

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

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 NSTAR

Received By [illegible] Date 1/9/20 Time 1720

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 # 5 Actual Temp - 3.9
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? F Who was notified? ____
Are there Short Holds? ~~F~~ F Who was notified? ____
Is there enough Volume? T Who was notified? ____
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? Acid pH<2 Base n/a

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	12	4oz Amb/Clear	
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 Energy - MA (Monthly Billing

Project Location: Montville, CT

Project Number: 20A0361

Laboratory Sample ID(s):

20A0361-01 thru 20A0361-04

Sample Date(s):

01/08/2020

List RCP Methods Used:

, , SW-846 6020B, SW-846 7470A

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:** Technical Representative

Printed Name: Lisa A. Worthington **Date:** 01/15/20

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 16, 2020

Jonathan Reich
Eversource Energy - MA (Monthly Billing)
One NSTAR Way, SUM SE-250
Westwood, MA 02090-9230

Project Location: Montville, CT
Client Job Number:
Project Number: 14-0754-120
Laboratory Work Order Number: 20A0362

Enclosed are results of analyses for samples received by the laboratory on January 9, 2020. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jessica L. Hoffman
Project Manager

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Eversource Energy - MA (Monthly Billing)
One NSTAR Way, SUM SE-250
Westwood, MA 02090-9230
ATTN: Jonathan Reich

REPORT DATE: 1/16/2020

PURCHASE ORDER NUMBER: 10948702

PROJECT NUMBER: 14-0754-120

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 20A0362

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

PROJECT LOCATION: Montville, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-101R	20A0362-01	Ground Water		SM21-22 4500 H B	
				SW-846 6010D	
				SW-846 6020B	
				SW-846 7470A	
MW-104R	20A0362-02	Ground Water		SM21-22 4500 H B	
				SW-846 6010D	
				SW-846 6020B	
				SW-846 7470A	
MW-105R	20A0362-03	Ground Water		SM21-22 4500 H B	
				SW-846 6010D	
				SW-846 6020B	
				SW-846 7470A	
MW-DUP	20A0362-04	Ground Water		SM21-22 4500 H B	
				SW-846 6010D	
				SW-846 6020B	
				SW-846 7470A	
Eq Blank	20A0362-05	Equipment Blank Water		SM21-22 4500 H B	
				SW-846 6010D	
				SW-846 6020B	
				SW-846 7470A	

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.

SM21-22 4500 H B

Qualifications:

H-05

Holding time was exceeded. pH analysis should be performed immediately at time of sampling. Nominal 15 minute holding time was exceeded.

Analyte & Samples(s) Qualified:

pH

20A0362-01[MW-101R], 20A0362-02[MW-104R], 20A0362-03[MW-105R], 20A0362-04[MW-DUP], 20A0362-05[Eq Blank], B249744-DUP2

SW-846 6020B

Qualifications:

DL-05

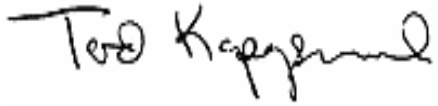
Sample required a dilution due to high internal standard recovery of the lesser diluted digestion, reporting limit is elevated.

Analyte & Samples(s) Qualified:

Selenium

20A0362-01[MW-101R]

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: Montville, CT | Sample Description: | Work Order: 20A0362

Date Received: 1/9/2020

Field Sample #: MW-101R | Sampled: 1/8/2020 14:06

Sample ID: 20A0362-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:23	QNW
Arsenic	44	0.80	µg/L	1		SW-846 6020B	1/14/20	1/15/20 12:00	QNW
Barium	24	10	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:23	QNW
Beryllium	5.3	0.40	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:23	QNW
Cadmium	1.6	0.20	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:23	QNW
Chromium	7.1	1.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:23	QNW
Copper	62	1.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:23	QNW
Iron	100	0.050	mg/L	1		SW-846 6010D	1/14/20	1/15/20 12:53	MJH
Lead	3.4	0.50	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:23	QNW
Manganese	210	1.0	µg/L	1		SW-846 6020B	1/14/20	1/15/20 12:00	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	1/13/20	1/14/20 12:46	CJV
Nickel	65	5.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:23	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	1/14/20	1/15/20 12:00	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:23	QNW
Thallium	4.4	0.20	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:23	QNW
Vanadium	58	5.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:23	QNW
Zinc	170	10	µg/L	1		SW-846 6020B	1/14/20	1/15/20 12:00	QNW

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

Project Location: Montville, CT | Sample Description: | Work Order: 20A0362

Date Received: 1/9/2020

Field Sample #: MW-101R | Sampled: 1/8/2020 14:06

Sample ID: 20A0362-01

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:31	QNW
Arsenic	41	4.0	µg/L	5		SW-846 6020B	1/10/20	1/16/20 11:26	QNW
Barium	22	10	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:31	QNW
Beryllium	5.6	0.40	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:31	QNW
Cadmium	1.6	0.20	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:31	QNW
Chromium	6.7	1.0	µg/L	1		SW-846 6020B	1/10/20	1/16/20 11:08	QNW
Copper	55	1.0	µg/L	1		SW-846 6020B	1/10/20	1/16/20 11:08	QNW
Iron	100	0.050	mg/L	1		SW-846 6010D	1/10/20	1/13/20 17:15	TBC
Lead	3.3	0.50	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:31	QNW
Manganese	250	1.0	µg/L	1		SW-846 6020B	1/10/20	1/16/20 11:08	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	1/13/20	1/14/20 11:43	CJV
Nickel	59	5.0	µg/L	1		SW-846 6020B	1/10/20	1/16/20 11:08	QNW
Selenium	ND	25	µg/L	5	DL-05	SW-846 6020B	1/10/20	1/16/20 11:26	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:31	QNW
Thallium	4.6	0.20	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:31	QNW
Vanadium	52	5.0	µg/L	1		SW-846 6020B	1/10/20	1/16/20 11:08	QNW
Zinc	170	50	µg/L	5		SW-846 6020B	1/10/20	1/16/20 11:26	QNW

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Project Location: Montville, CT | Sample Description: | Work Order: 20A0362

Date Received: 1/9/2020

Field Sample #: MW-101R | Sampled: 1/8/2020 14:06

Sample ID: 20A0362-01

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
pH @18.4°C	3.9		pH Units	1	H-05	SM21-22 4500 H B	1/9/20	1/9/20 22:00	MMH

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

Project Location: Montville, CT | Sample Description: | Work Order: 20A0362

Date Received: 1/9/2020

Field Sample #: MW-104R | Sampled: 1/8/2020 12:06

Sample ID: 20A0362-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:26	QNW
Arsenic	43	0.80	µg/L	1		SW-846 6020B	1/14/20	1/15/20 12:05	QNW
Barium	32	10	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:26	QNW
Beryllium	12	0.40	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:26	QNW
Cadmium	2.5	0.20	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:26	QNW
Chromium	25	1.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:26	QNW
Copper	130	1.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:26	QNW
Iron	310	0.050	mg/L	1		SW-846 6010D	1/14/20	1/15/20 12:58	MJH
Lead	0.70	0.50	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:26	QNW
Manganese	1400	5.0	µg/L	5		SW-846 6020B	1/14/20	1/15/20 11:52	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	1/13/20	1/14/20 12:48	CJV
Nickel	180	5.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:26	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	1/14/20	1/15/20 12:05	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:26	QNW
Thallium	19	0.20	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:26	QNW
Vanadium	81	5.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:26	QNW
Zinc	260	10	µg/L	1		SW-846 6020B	1/14/20	1/15/20 12:05	QNW

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

Project Location: Montville, CT | Sample Description: | Work Order: 20A0362

Date Received: 1/9/2020

Field Sample #: MW-104R | Sampled: 1/8/2020 12:06

Sample ID: 20A0362-02

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:34	QNW
Arsenic	43	0.80	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:34	QNW
Barium	30	10	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:34	QNW
Beryllium	13	0.40	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:34	QNW
Cadmium	2.4	0.20	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:34	QNW
Chromium	22	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:34	QNW
Copper	120	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:34	QNW
Iron	330	0.050	mg/L	1		SW-846 6010D	1/10/20	1/13/20 17:21	TBC
Lead	0.77	0.50	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:34	QNW
Manganese	1600	10	µg/L	10		SW-846 6020B	1/10/20	1/14/20 13:48	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	1/13/20	1/14/20 11:44	CJV
Nickel	160	5.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:34	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:34	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:34	QNW
Thallium	22	0.20	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:34	QNW
Vanadium	67	5.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:34	QNW
Zinc	280	10	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:34	QNW

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Project Location: Montville, CT | Sample Description: | Work Order: 20A0362

Date Received: 1/9/2020

Field Sample #: MW-104R | Sampled: 1/8/2020 12:06

Sample ID: 20A0362-02

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
pH @18.4°C	3.2		pH Units	1	H-05	SM21-22 4500 H B	1/9/20	1/9/20 22:00	MMH

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

Project Location: Montville, CT | Sample Description: | Work Order: 20A0362

Date Received: 1/9/2020

Field Sample #: MW-105R | Sampled: 1/8/2020 09:46

Sample ID: 20A0362-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:29	QNW
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	1/14/20	1/15/20 12:07	QNW
Barium	77	10	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:29	QNW
Beryllium	8.4	0.40	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:29	QNW
Cadmium	2.1	0.20	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:29	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:29	QNW
Copper	140	1.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:29	QNW
Iron	1.3	0.050	mg/L	1		SW-846 6010D	1/14/20	1/15/20 1:18	TBC
Lead	ND	0.50	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:29	QNW
Manganese	120	1.0	µg/L	1		SW-846 6020B	1/14/20	1/15/20 12:07	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	1/13/20	1/14/20 12:50	CJV
Nickel	30	5.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:29	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	1/14/20	1/15/20 12:07	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:29	QNW
Thallium	3.7	0.20	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:29	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:29	QNW
Zinc	63	10	µg/L	1		SW-846 6020B	1/14/20	1/15/20 12:07	QNW

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

Project Location: Montville, CT | Sample Description: | Work Order: 20A0362

Date Received: 1/9/2020

Field Sample #: MW-105R | Sampled: 1/8/2020 09:46

Sample ID: 20A0362-03

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:38	QNW
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:38	QNW
Barium	76	10	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:38	QNW
Beryllium	8.7	0.40	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:38	QNW
Cadmium	2.2	0.20	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:38	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:38	QNW
Copper	140	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:38	QNW
Iron	1.7	0.050	mg/L	1		SW-846 6010D	1/10/20	1/13/20 17:26	TBC
Lead	ND	0.50	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:38	QNW
Manganese	120	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:38	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	1/13/20	1/14/20 11:46	CJV
Nickel	28	5.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:38	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:38	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:38	QNW
Thallium	4.1	0.20	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:38	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:38	QNW
Zinc	65	10	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:38	QNW

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

Project Location: Montville, CT | Sample Description: | Work Order: 20A0362

Date Received: 1/9/2020

Field Sample #: MW-105R | Sampled: 1/8/2020 09:46

Sample ID: 20A0362-03

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
pH @18.8°C	4.4		pH Units	1	H-05	SM21-22 4500 H B	1/9/20	1/9/20 22:00	MMH

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

Project Location: Montville, CT | Sample Description: | Work Order: 20A0362

Date Received: 1/9/2020

Field Sample #: MW-DUP | Sampled: 1/8/2020 09:47

Sample ID: 20A0362-04

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:32	QNW
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	1/14/20	1/15/20 12:09	QNW
Barium	75	10	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:32	QNW
Beryllium	8.3	0.40	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:32	QNW
Cadmium	2.1	0.20	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:32	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:32	QNW
Copper	140	1.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:32	QNW
Iron	1.4	0.050	mg/L	1		SW-846 6010D	1/14/20	1/15/20 1:26	TBC
Lead	ND	0.50	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:32	QNW
Manganese	110	1.0	µg/L	1		SW-846 6020B	1/14/20	1/15/20 12:09	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	1/13/20	1/14/20 12:51	CJV
Nickel	29	5.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:32	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	1/14/20	1/15/20 12:09	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:32	QNW
Thallium	3.7	0.20	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:32	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:32	QNW
Zinc	62	10	µg/L	1		SW-846 6020B	1/14/20	1/15/20 12:09	QNW

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

Project Location: Montville, CT | Sample Description: | Work Order: 20A0362

Date Received: 1/9/2020

Field Sample #: MW-DUP | Sampled: 1/8/2020 09:47

Sample ID: 20A0362-04

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:41	QNW
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:41	QNW
Barium	76	10	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:41	QNW
Beryllium	8.8	0.40	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:41	QNW
Cadmium	2.2	0.20	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:41	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:41	QNW
Copper	140	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:41	QNW
Iron	1.5	0.050	mg/L	1		SW-846 6010D	1/10/20	1/13/20 17:32	TBC
Lead	ND	0.50	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:41	QNW
Manganese	120	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:41	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	1/13/20	1/14/20 11:48	CJV
Nickel	29	5.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:41	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:41	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:41	QNW
Thallium	4.0	0.20	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:41	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:41	QNW
Zinc	68	10	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:41	QNW

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

Project Location: Montville, CT | Sample Description: | Work Order: 20A0362

Date Received: 1/9/2020

Field Sample #: MW-DUP | Sampled: 1/8/2020 09:47

Sample ID: 20A0362-04

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
pH @18.7°C	4.5		pH Units	1	H-05	SM21-22 4500 H B	1/9/20	1/9/20 22:00	MMH

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

Project Location: Montville, CT | Sample Description: | Work Order: 20A0362

Date Received: 1/9/2020

Field Sample #: Eq Blank | Sampled: 1/8/2020 10:30

Sample ID: 20A0362-05

Sample Matrix: Equipment Blank Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:40	QNW
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:40	QNW
Barium	ND	10	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:40	QNW
Beryllium	ND	0.40	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:40	QNW
Cadmium	ND	0.20	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:40	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:40	QNW
Copper	2.3	1.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:40	QNW
Iron	ND	0.050	mg/L	1		SW-846 6010D	1/14/20	1/15/20 1:32	TBC
Lead	ND	0.50	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:40	QNW
Manganese	ND	1.0	µg/L	1		SW-846 6020B	1/14/20	1/15/20 11:58	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	1/13/20	1/14/20 12:53	CJV
Nickel	ND	5.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:40	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:40	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:40	QNW
Thallium	ND	0.20	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:40	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	1/14/20	1/15/20 11:58	QNW
Zinc	ND	10	µg/L	1		SW-846 6020B	1/14/20	1/14/20 20:40	QNW

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

Project Location: Montville, CT | Sample Description: | Work Order: 20A0362

Date Received: 1/9/2020

Field Sample #: Eq Blank | Sampled: 1/8/2020 10:30

Sample ID: 20A0362-05

Sample Matrix: Equipment Blank Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:44	QNW
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:44	QNW
Barium	ND	10	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:44	QNW
Beryllium	ND	0.40	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:44	QNW
Cadmium	ND	0.20	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:44	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:44	QNW
Copper	1.6	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:44	QNW
Iron	ND	0.050	mg/L	1		SW-846 6010D	1/10/20	1/13/20 17:38	TBC
Lead	ND	0.50	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:44	QNW
Manganese	ND	1.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:44	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	1/13/20	1/14/20 11:49	CJV
Nickel	ND	5.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:44	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:44	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:44	QNW
Thallium	ND	0.20	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:44	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:44	QNW
Zinc	ND	10	µg/L	1		SW-846 6020B	1/10/20	1/13/20 14:44	QNW

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

Project Location: Montville, CT | Sample Description: | Work Order: 20A0362

Date Received: 1/9/2020

Field Sample #: Eq Blank | Sampled: 1/8/2020 10:30

Sample ID: 20A0362-05

Sample Matrix: Equipment Blank Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
pH @19.5°C	6.3		pH Units	1	H-05	SM21-22 4500 H B	1/9/20	1/9/20 22:00	MMH

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

Sample Extraction Data

SM21-22 4500 H B

Lab Number [Field ID]	Batch	Initial [mL]	Date
20A0362-01 [MW-101R]	B249744	50.0	01/09/20
20A0362-02 [MW-104R]	B249744	50.0	01/09/20
20A0362-03 [MW-105R]	B249744	50.0	01/09/20
20A0362-04 [MW-DUP]	B249744	50.0	01/09/20
20A0362-05 [Eq Blank]	B249744	50.0	01/09/20

Prep Method: SW-846 3005A Dissolved-SW-846 6010D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20A0362-01 [MW-101R]	B249811	50.0	50.0	01/10/20
20A0362-02 [MW-104R]	B249811	50.0	50.0	01/10/20
20A0362-03 [MW-105R]	B249811	50.0	50.0	01/10/20
20A0362-04 [MW-DUP]	B249811	50.0	50.0	01/10/20
20A0362-05 [Eq Blank]	B249811	50.0	50.0	01/10/20

Prep Method: SW-846 3005A-SW-846 6010D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20A0362-01 [MW-101R]	B249985	50.0	50.0	01/14/20
20A0362-02 [MW-104R]	B249985	50.0	50.0	01/14/20
20A0362-03 [MW-105R]	B249985	50.0	50.0	01/14/20
20A0362-04 [MW-DUP]	B249985	50.0	50.0	01/14/20
20A0362-05 [Eq Blank]	B249985	50.0	50.0	01/14/20

Prep Method: SW-846 3005A Dissolved-SW-846 6020B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20A0362-01 [MW-101R]	B249810	50.0	50.0	01/10/20
20A0362-02 [MW-104R]	B249810	50.0	50.0	01/10/20
20A0362-03 [MW-105R]	B249810	50.0	50.0	01/10/20
20A0362-04 [MW-DUP]	B249810	50.0	50.0	01/10/20
20A0362-05 [Eq Blank]	B249810	50.0	50.0	01/10/20

Prep Method: SW-846 3005A-SW-846 6020B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20A0362-01 [MW-101R]	B249984	50.0	50.0	01/14/20
20A0362-02 [MW-104R]	B249984	50.0	50.0	01/14/20
20A0362-03 [MW-105R]	B249984	50.0	50.0	01/14/20
20A0362-04 [MW-DUP]	B249984	50.0	50.0	01/14/20
20A0362-05 [Eq Blank]	B249984	50.0	50.0	01/14/20

Prep Method: SW-846 7470A Prep-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20A0362-01 [MW-101R]	B249880	6.00	6.00	01/13/20
20A0362-02 [MW-104R]	B249880	6.00	6.00	01/13/20
20A0362-03 [MW-105R]	B249880	6.00	6.00	01/13/20
20A0362-04 [MW-DUP]	B249880	6.00	6.00	01/13/20

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 7470A Prep-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20A0362-05 [Eq Blank]	B249880	6.00	6.00	01/13/20

Prep Method: SW-846 7470A Dissolved-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20A0362-01 [MW-101R]	B249884	6.00	6.00	01/13/20
20A0362-02 [MW-104R]	B249884	6.00	6.00	01/13/20
20A0362-03 [MW-105R]	B249884	6.00	6.00	01/13/20
20A0362-04 [MW-DUP]	B249884	6.00	6.00	01/13/20
20A0362-05 [Eq Blank]	B249884	6.00	6.00	01/13/20

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B249880 - SW-846 7470A Prep										
Blank (B249880-BLK1)				Prepared: 01/13/20 Analyzed: 01/14/20						
Mercury	ND	0.00010	mg/L							
LCS (B249880-BS1)				Prepared: 01/13/20 Analyzed: 01/14/20						
Mercury	0.00401	0.00010	mg/L	0.00400		100	80-120			
LCS Dup (B249880-BSD1)				Prepared: 01/13/20 Analyzed: 01/14/20						
Mercury	0.00411	0.00010	mg/L	0.00400		103	80-120	2.40	20	
Batch B249984 - SW-846 3005A										
Blank (B249984-BLK1)				Prepared & Analyzed: 01/14/20						
Antimony	ND	1.0	µg/L							
Arsenic	ND	0.80	µg/L							
Barium	ND	10	µg/L							
Beryllium	ND	0.40	µg/L							
Cadmium	ND	0.20	µg/L							
Chromium	ND	1.0	µg/L							
Copper	ND	1.0	µg/L							
Lead	ND	0.50	µg/L							
Manganese	ND	1.0	µg/L							
Nickel	ND	5.0	µg/L							
Selenium	ND	5.0	µg/L							
Silver	ND	0.20	µg/L							
Thallium	ND	0.20	µg/L							
Vanadium	ND	5.0	µg/L							
Zinc	ND	10	µg/L							
LCS (B249984-BS1)				Prepared & Analyzed: 01/14/20						
Antimony	490	10	µg/L	500		97.9	80-120			
Arsenic	518	8.0	µg/L	500		104	80-120			
Barium	505	100	µg/L	500		101	80-120			
Beryllium	477	4.0	µg/L	500		95.4	80-120			
Cadmium	501	2.0	µg/L	500		100	80-120			
Chromium	482	10	µg/L	500		96.5	80-120			
Copper	943	10	µg/L	1000		94.3	80-120			
Lead	509	5.0	µg/L	500		102	80-120			
Manganese	495	10	µg/L	500		99.0	80-120			
Nickel	495	50	µg/L	500		99.0	80-120			
Selenium	515	50	µg/L	500		103	80-120			
Silver	485	2.0	µg/L	500		97.0	80-120			
Thallium	471	2.0	µg/L	500		94.3	80-120			
Vanadium	494	50	µg/L	500		98.9	80-120			
Zinc	1000	100	µg/L	1000		100	80-120			

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B249984 - SW-846 3005A										
LCS Dup (B249984-BSD1)				Prepared & Analyzed: 01/14/20						
Antimony	511	10	µg/L	500		102	80-120	4.38	20	
Arsenic	516	8.0	µg/L	500		103	80-120	0.551	20	
Barium	524	100	µg/L	500		105	80-120	3.57	20	
Beryllium	518	4.0	µg/L	500		104	80-120	8.23	20	
Cadmium	523	2.0	µg/L	500		105	80-120	4.40	20	
Chromium	523	10	µg/L	500		105	80-120	8.10	20	
Copper	1020	10	µg/L	1000		102	80-120	8.16	20	
Lead	527	5.0	µg/L	500		105	80-120	3.60	20	
Manganese	539	10	µg/L	500		108	80-120	8.60	20	
Nickel	535	50	µg/L	500		107	80-120	7.82	20	
Selenium	538	50	µg/L	500		108	80-120	4.37	20	
Silver	506	2.0	µg/L	500		101	80-120	4.36	20	
Thallium	484	2.0	µg/L	500		96.8	80-120	2.67	20	
Vanadium	535	50	µg/L	500		107	80-120	7.82	20	
Zinc	1040	100	µg/L	1000		104	80-120	3.96	20	
Batch B249985 - SW-846 3005A										
Blank (B249985-BLK1)				Prepared & Analyzed: 01/14/20						
Iron	ND	0.050	mg/L							
LCS (B249985-BS1)				Prepared & Analyzed: 01/14/20						
Iron	4.08	0.050	mg/L	4.00		102	80-120			
LCS Dup (B249985-BSD1)				Prepared & Analyzed: 01/14/20						
Iron	3.96	0.050	mg/L	4.00		99.1	80-120	2.81	20	

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

QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B249810 - SW-846 3005A Dissolved										
Blank (B249810-BLK1)				Prepared: 01/10/20 Analyzed: 01/13/20						
Antimony	ND	1.0	µg/L							
Arsenic	ND	0.80	µg/L							
Barium	ND	10	µg/L							
Beryllium	ND	0.40	µg/L							
Cadmium	ND	0.20	µg/L							
Chromium	ND	1.0	µg/L							
Copper	ND	1.0	µg/L							
Lead	ND	0.50	µg/L							
Manganese	ND	1.0	µg/L							
Nickel	ND	5.0	µg/L							
Selenium	ND	5.0	µg/L							
Silver	ND	0.20	µg/L							
Thallium	ND	0.20	µg/L							
Vanadium	ND	5.0	µg/L							
Zinc	ND	10	µg/L							
LCS (B249810-BS1)				Prepared: 01/10/20 Analyzed: 01/13/20						
Antimony	517	10	µg/L	500		103	80-120			
Arsenic	521	8.0	µg/L	500		104	80-120			
Barium	502	100	µg/L	500		100	80-120			
Beryllium	523	4.0	µg/L	500		105	80-120			
Cadmium	531	2.0	µg/L	500		106	80-120			
Chromium	511	10	µg/L	500		102	80-120			
Copper	1010	10	µg/L	1000		101	80-120			
Lead	511	5.0	µg/L	500		102	80-120			
Manganese	496	10	µg/L	500		99.2	80-120			
Nickel	509	50	µg/L	500		102	80-120			
Selenium	506	50	µg/L	500		101	80-120			
Silver	505	2.0	µg/L	500		101	80-120			
Thallium	484	2.0	µg/L	500		96.8	80-120			
Vanadium	493	50	µg/L	500		98.6	80-120			
Zinc	1030	100	µg/L	1000		103	80-120			
LCS Dup (B249810-BSD1)				Prepared: 01/10/20 Analyzed: 01/13/20						
Antimony	518	10	µg/L	500		104	80-120	0.244	20	
Arsenic	521	8.0	µg/L	500		104	80-120	0.0413	20	
Barium	501	100	µg/L	500		100	80-120	0.201	20	
Beryllium	523	4.0	µg/L	500		105	80-120	0.0980	20	
Cadmium	532	2.0	µg/L	500		106	80-120	0.265	20	
Chromium	509	10	µg/L	500		102	80-120	0.385	20	
Copper	1020	10	µg/L	1000		102	80-120	0.587	20	
Lead	510	5.0	µg/L	500		102	80-120	0.0597	20	
Manganese	499	10	µg/L	500		99.8	80-120	0.622	20	
Nickel	508	50	µg/L	500		102	80-120	0.163	20	
Selenium	510	50	µg/L	500		102	80-120	0.731	20	
Silver	502	2.0	µg/L	500		100	80-120	0.522	20	
Thallium	482	2.0	µg/L	500		96.4	80-120	0.430	20	
Vanadium	490	50	µg/L	500		98.1	80-120	0.542	20	
Zinc	1040	100	µg/L	1000		104	80-120	1.16	20	

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B249811 - SW-846 3005A Dissolved										
Blank (B249811-BLK1)				Prepared: 01/10/20 Analyzed: 01/13/20						
Iron	ND	0.050	mg/L							
LCS (B249811-BS1)				Prepared: 01/10/20 Analyzed: 01/13/20						
Iron	4.13	0.050	mg/L	4.00		103	80-120			
LCS Dup (B249811-BSD1)				Prepared: 01/10/20 Analyzed: 01/13/20						
Iron	4.38	0.050	mg/L	4.00		109	80-120	5.85	20	
Batch B249884 - SW-846 7470A Dissolved										
Blank (B249884-BLK1)				Prepared: 01/13/20 Analyzed: 01/14/20						
Mercury	ND	0.00010	mg/L							
LCS (B249884-BS1)				Prepared: 01/13/20 Analyzed: 01/14/20						
Mercury	0.00394	0.00010	mg/L	0.00400		98.5	80-120			
LCS Dup (B249884-BSD1)				Prepared: 01/13/20 Analyzed: 01/14/20						
Mercury	0.00404	0.00010	mg/L	0.00400		101	80-120	2.39	20	

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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 B249744 - SM21-22 4500 H B										
LCS (B249744-BS1)				Prepared & Analyzed: 01/09/20						
pH	5.98		pH Units	6.00		99.8	90-110			
LCS (B249744-BS2)				Prepared & Analyzed: 01/09/20						
pH	5.98		pH Units	6.00		99.7	90-110			
Duplicate (B249744-DUP2)	**Source: 20A0362-03**			Prepared & Analyzed: 01/09/20						
pH	4.4		pH Units		4.4			0.387	5	H-05

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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.
DL-05	Sample required a dilution due to high internal standard recovery of the lesser diluted digestion, reporting limit is elevated.
H-05	Holding time was exceeded. pH analysis should be performed immediately at time of sampling. Nominal 15 minute holding time was exceeded.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-22 4500 H B in Water	
pH	CT,MA,RI
SW-846 6010D in Water	
Iron	CT,NH,NY,ME,VA,NC
Iron	CT,NH,NY,ME,NC,VA
SW-846 6020B in Water	
Antimony	CT,NH,NY,ME,VA,NC
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,NC,ME,VA
Arsenic	CT,NH,NY,ME,VA,NC
Barium	MA,NY,CT,NC,NH,ME,VA
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,NC,ME,VA
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,NC,ME,VA
Cadmium	CT,NH,NY,RI,ME,VA,NC
Chromium	CT,NH,NY,NC,ME,VA
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,NC,ME,VA
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,NC,ME,VA
Manganese	CT,NH,NY,NC,ME,VA
Manganese	CT,NH,NY,ME,VA,NC
Nickel	CT,NH,NY,NC,ME,VA
Nickel	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,NC,ME,VA
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Silver	CT,NC,NH,NY,ME,VA
Thallium	CT,NH,NY,NC,ME,VA
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,NC,ME,VA
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,NC,ME,VA
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
Mercury	CT,NH,NY,NC,ME,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2020
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2021
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	12/30/2020
NC	North Carolina Div. of Water Quality	652	12/31/2020
NJ	New Jersey DEP	MA007 NELAP	06/30/2020
FL	Florida Department of Health	E871027 NELAP	06/30/2020
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2020
ME	State of Maine	2011028	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2020
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2020
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2020
NC-DW	North Carolina Department of Health	25703	07/31/2020
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2020

JLH 20A0362

con-test ANALYTICAL LABORATORY

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

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 2_06262019

Page __1__ of __1_

Company Name:	NSTAR/Eversource - Monthly Billing
Address:	247 Station Drive, Westwood, MA 02090
Phone:	781-441-3807
Project Name:	Hunts Brook Property
Project Location:	Montville, CT
Project Number:	14-0754-120
Project Manager:	Jonathan E. Reich
Con-Test Quote Name/Number:	
Invoice Recipient:	NSTAR/Eversource - Monthly Billing
Sampled By:	

Requested Turnaround Time
7-Day ☑ 10-Day ☐
PFAS 10-Day (std) ☐ 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: LEWilley@tighebond.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☐
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	Total CT DEEP RSR 15 Metals	Total Iron and Manganese	Dissolved CT DEEP RSR 15 Metals	Dissolved Iron and Manganese	pH	[2] Preservation Code
												N	N	N	N	I	
1	MW-101R	1/8/20	1406	Grab	GW				3			X	X	X	X	X	
2	MW-104R	1/8/20	1206	Grab	GW				3			X	X	X	X	X	
3	MW-105R MW-105	1/8/20	0946	Grab	GW				3			X	X	X	X	X	
4	MW-DUP	1/8/20	0947	Grab	GW				3			X	X	X	X	X	
5	EQ Blank	1/8/20	1030	Grab	GW				3			X	X	X	X	X	

Courier Use Only
Total Number Of:
VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Contest is not responsible for missing samples from prepacked coolers

[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)

Relinquished by: (signature)	Date/Time:	1/9/20 16:00
Received by: (signature)	Date/Time:	1/9/20 16:00
Relinquished by: (signature)	Date/Time:	1/9/20 11:37
Received by: (signature)	Date/Time:	1/9/20 11:22
Relinquished by: (signature)	Date/Time:	1/9/20 4:15
Received by: (signature)	Date/Time:	4:15
Relinquished by: (signature)	Date/Time:	1/9/20 1720
Received by: (signature)	Date/Time:	1720

Client Comments:
Con-Test PO:-PO#10948702
FWO (Eversource work order): HUNTBRK1
Company #: 11 Cost Center: 07D

Detection Limit Requirements
MA
GT GWPC, SWPC
Other:

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

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

NELAC and AIHA-LAP, LLC Accredited

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

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab Comments:
FF = Field Filtered and Should be used for Dissolved

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

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 NSTAR

Received By [illegible] Date 1/9/20 Time 1720

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 # 5 Actual Temp - 3.9
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 Who was notified? _____
Are there Rushes? F Who was notified? _____
Are there Short Holds? ~~F~~ F SOR 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? Acid pHc2 Base n/a

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	15	4oz Amb/Clear	
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 Energy - MA (Monthly Billing

Project Location: Montville, CT

Project Number: 20A0362

Laboratory Sample ID(s):
20A0362-01 thru 20A0362-05

Sample Date(s):
01/08/2020

List RCP Methods Used:
, , SW-846 6020B, SW-846 7470A

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:** 01/16/20

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

May 14, 2020

Jonathan Reich
Eversource Energy - MA (Monthly Billing)
One NSTAR Way, SUM SE-250
Westwood, MA 02090-9230

Project Location: Montville, CT
Client Job Number:
Project Number: 14-0754-120
Laboratory Work Order Number: 20E0154

Enclosed are results of analyses for samples received by the laboratory on May 5, 2020. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jessica L. Hoffman
Project Manager

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Eversource Energy - MA (Monthly Billing)
One NSTAR Way, SUM SE-250
Westwood, MA 02090-9230
ATTN: Jonathan Reich

REPORT DATE: 5/14/2020

PURCHASE ORDER NUMBER: 10948702

PROJECT NUMBER: 14-0754-120

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 20E0154

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

PROJECT LOCATION: Montville, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SW-8	20E0154-01	Surface Water		SM21-22 4500 H B	
				SW-846 6010D	
				SW-846 6020B	
				SW-846 7470A	
MW-105R	20E0154-02	Ground Water		SM21-22 4500 H B	
				SW-846 6010D	
				SW-846 6020B	
				SW-846 7470A	
SW-9	20E0154-03	Surface Water		SM21-22 4500 H B	
				SW-846 6010D	
				SW-846 6020B	
				SW-846 7470A	
SW-16	20E0154-04	Surface Water		SM21-22 4500 H B	
				SW-846 6010D	
				SW-846 6020B	
				SW-846 7470A	
MW-104R	20E0154-05	Ground Water		SM21-22 4500 H B	
				SW-846 6010D	
				SW-846 6020B	
				SW-846 7470A	
MW-101R	20E0154-06	Ground Water		SM21-22 4500 H B	
				SW-846 6010D	
				SW-846 6020B	
				SW-846 7470A	

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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.

SM21-22 4500 H B

Qualifications:

H-05

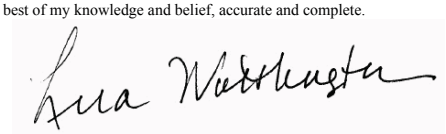
Holding time was exceeded. pH analysis should be performed immediately at time of sampling. Nominal 15 minute holding time was exceeded.

Analyte & Samples(s) Qualified:

pH

20E0154-01[SW-8], 20E0154-02[MW-105R], 20E0154-03[SW-9], 20E0154-04[SW-16], 20E0154-05[MW-104R], 20E0154-06[MW-101R], B257492-DUP1

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
Technical Representative

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

Project Location: Montville, CT | Sample Description: | Work Order: 20E0154

Date Received: 5/5/2020

Field Sample #: SW-8 | Sampled: 5/5/2020 09:35

Sample ID: 20E0154-01

Sample Matrix: Surface Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:30	QNW
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:30	QNW
Barium	ND	10	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:30	QNW
Beryllium	ND	0.40	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:30	QNW
Cadmium	ND	0.20	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:30	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:30	QNW
Copper	ND	1.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:30	QNW
Iron	1.1	0.050	mg/L	1		SW-846 6010D	5/11/20	5/12/20 15:54	MJH
Lead	ND	0.50	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:30	QNW
Manganese	58	1.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:30	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/6/20	5/11/20 13:29	CJV
Nickel	ND	5.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:30	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:30	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:30	QNW
Thallium	ND	0.20	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:30	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:30	QNW
Zinc	ND	10	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:30	QNW

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

Project Location: Montville, CT | Sample Description: | Work Order: 20E0154

Date Received: 5/5/2020

Field Sample #: SW-8 | Sampled: 5/5/2020 09:35

Sample ID: 20E0154-01

Sample Matrix: Surface Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:23	MJH
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:23	MJH
Barium	ND	10	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:23	MJH
Beryllium	ND	0.40	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:23	MJH
Cadmium	ND	0.20	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:23	MJH
Chromium	1.3	1.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:23	MJH
Copper	1.1	1.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:23	MJH
Iron	0.69	0.050	mg/L	1		SW-846 6010D	5/6/20	5/6/20 21:36	QNW
Lead	ND	0.50	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:23	MJH
Manganese	58	1.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:23	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/6/20	5/11/20 13:51	CJV
Nickel	ND	5.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:23	MJH
Selenium	ND	5.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:23	MJH
Silver	ND	0.20	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:23	MJH
Thallium	ND	0.20	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:23	MJH
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:23	MJH
Zinc	ND	10	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:23	MJH

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

Project Location: Montville, CT | Sample Description: | Work Order: 20E0154

Date Received: 5/5/2020

Field Sample #: SW-8 | Sampled: 5/5/2020 09:35

Sample ID: 20E0154-01

Sample Matrix: Surface Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
pH @16.3°C	6.8		pH Units	1	H-05	SM21-22 4500 H B	5/6/20	5/6/20 7:45	LL

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

Project Location: Montville, CT | Sample Description: | Work Order: 20E0154

Date Received: 5/5/2020

Field Sample #: MW-105R | Sampled: 5/5/2020 09:46

Sample ID: 20E0154-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:33	QNW
Arsenic	1.2	0.80	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:33	QNW
Barium	58	10	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:33	QNW
Beryllium	5.6	0.40	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:33	QNW
Cadmium	1.2	0.20	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:33	QNW
Chromium	1.5	1.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:33	QNW
Copper	110	1.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:33	QNW
Iron	2.2	0.050	mg/L	1		SW-846 6010D	5/11/20	5/12/20 16:00	MJH
Lead	0.51	0.50	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:33	QNW
Manganese	78	1.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:33	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/6/20	5/11/20 13:31	CJV
Nickel	27	5.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:33	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:33	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:33	QNW
Thallium	4.6	0.20	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:33	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:33	QNW
Zinc	52	10	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:33	QNW

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

Project Location: Montville, CT | Sample Description: | Work Order: 20E0154

Date Received: 5/5/2020

Field Sample #: MW-105R | Sampled: 5/5/2020 09:46

Sample ID: 20E0154-02

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:56	MJH
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:56	MJH
Barium	56	10	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:56	MJH
Beryllium	5.6	0.40	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:56	MJH
Cadmium	1.2	0.20	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:56	MJH
Chromium	ND	1.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:56	MJH
Copper	120	1.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:56	MJH
Iron	1.9	0.050	mg/L	1		SW-846 6010D	5/6/20	5/6/20 21:41	QNW
Lead	ND	0.50	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:56	MJH
Manganese	80	1.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:56	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/6/20	5/11/20 14:01	CJV
Nickel	30	5.0	µg/L	1		SW-846 6020B	5/6/20	5/7/20 10:47	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:56	MJH
Silver	ND	0.20	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:56	MJH
Thallium	4.5	0.20	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:56	MJH
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:56	MJH
Zinc	55	10	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:56	MJH

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

Project Location: Montville, CT | Sample Description: | Work Order: 20E0154

Date Received: 5/5/2020

Field Sample #: MW-105R | Sampled: 5/5/2020 09:46

Sample ID: 20E0154-02

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
pH @16.3°C	4.3		pH Units	1	H-05	SM21-22 4500 H B	5/6/20	5/6/20 7:45	LL

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

Project Location: Montville, CT | Sample Description: | Work Order: 20E0154

Date Received: 5/5/2020

Field Sample #: SW-9 | Sampled: 5/5/2020 09:55

Sample ID: 20E0154-03

Sample Matrix: Surface Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:36	QNW
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:36	QNW
Barium	ND	10	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:36	QNW
Beryllium	1.0	0.40	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:36	QNW
Cadmium	ND	0.20	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:36	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:36	QNW
Copper	2.4	1.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:36	QNW
Iron	5.4	0.050	mg/L	1		SW-846 6010D	5/11/20	5/12/20 16:06	MJH
Lead	0.57	0.50	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:36	QNW
Manganese	180	1.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:36	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/6/20	5/11/20 13:32	CJV
Nickel	9.4	5.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:36	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:36	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:36	QNW
Thallium	ND	0.20	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:36	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:36	QNW
Zinc	25	10	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:36	QNW

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

Project Location: Montville, CT | Sample Description: | Work Order: 20E0154

Date Received: 5/5/2020

Field Sample #: SW-9 | Sampled: 5/5/2020 09:55

Sample ID: 20E0154-03

Sample Matrix: Surface Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:59	MJH
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:59	MJH
Barium	ND	10	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:59	MJH
Beryllium	1.1	0.40	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:59	MJH
Cadmium	ND	0.20	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:59	MJH
Chromium	1.2	1.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:59	MJH
Copper	8.6	1.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:59	MJH
Iron	4.8	0.050	mg/L	1		SW-846 6010D	5/6/20	5/6/20 21:47	QNW
Lead	0.59	0.50	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:59	MJH
Manganese	170	1.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:59	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/6/20	5/11/20 14:03	CJV
Nickel	9.8	5.0	µg/L	1		SW-846 6020B	5/6/20	5/7/20 10:49	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:59	MJH
Silver	ND	0.20	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:59	MJH
Thallium	ND	0.20	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:59	MJH
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:59	MJH
Zinc	31	10	µg/L	1		SW-846 6020B	5/6/20	5/6/20 15:59	MJH

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

Project Location: Montville, CT | Sample Description: | Work Order: 20E0154

Date Received: 5/5/2020

Field Sample #: SW-9 | Sampled: 5/5/2020 09:55

Sample ID: 20E0154-03

Sample Matrix: Surface Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
pH @15.7°C	3.7		pH Units	1	H-05	SM21-22 4500 H B	5/6/20	5/6/20 7:45	LL

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

Project Location: Montville, CT | Sample Description: | Work Order: 20E0154

Date Received: 5/5/2020

Field Sample #: SW-16 | Sampled: 5/5/2020 10:40

Sample ID: 20E0154-04

Sample Matrix: Surface Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:39	QNW
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:39	QNW
Barium	36	10	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:39	QNW
Beryllium	1.2	0.40	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:39	QNW
Cadmium	0.25	0.20	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:39	QNW
Chromium	2.1	1.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:39	QNW
Copper	12	1.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:39	QNW
Iron	11	0.050	mg/L	1		SW-846 6010D	5/11/20	5/12/20 16:13	MJH
Lead	9.6	0.50	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:39	QNW
Manganese	90	1.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:39	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/6/20	5/11/20 13:34	CJV
Nickel	17	5.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:39	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:39	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:39	QNW
Thallium	0.63	0.20	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:39	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:39	QNW
Zinc	100	10	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:39	QNW

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

Project Location: Montville, CT | Sample Description: | Work Order: 20E0154

Date Received: 5/5/2020

Field Sample #: SW-16 | Sampled: 5/5/2020 10:40

Sample ID: 20E0154-04

Sample Matrix: Surface Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:02	MJH
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:02	MJH
Barium	34	10	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:02	MJH
Beryllium	1.3	0.40	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:02	MJH
Cadmium	0.26	0.20	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:02	MJH
Chromium	2.8	1.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:02	MJH
Copper	21	1.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:02	MJH
Iron	10	0.050	mg/L	1		SW-846 6010D	5/6/20	5/6/20 21:53	QNW
Lead	9.0	0.50	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:02	MJH
Manganese	93	1.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:02	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/6/20	5/11/20 14:04	CJV
Nickel	18	5.0	µg/L	1		SW-846 6020B	5/6/20	5/7/20 10:52	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:02	MJH
Silver	ND	0.20	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:02	MJH
Thallium	0.56	0.20	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:02	MJH
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:02	MJH
Zinc	110	10	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:02	MJH

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

Project Location: Montville, CT | Sample Description: | Work Order: 20E0154

Date Received: 5/5/2020

Field Sample #: SW-16 | Sampled: 5/5/2020 10:40

Sample ID: 20E0154-04

Sample Matrix: Surface Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
pH @17.4°C	3.3		pH Units	1	H-05	SM21-22 4500 H B	5/6/20	5/6/20 7:45	LL

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

Project Location: Montville, CT | Sample Description: | Work Order: 20E0154

Date Received: 5/5/2020

Field Sample #: MW-104R | Sampled: 5/5/2020 11:11

Sample ID: 20E0154-05

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:43	QNW
Arsenic	31	0.80	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:43	QNW
Barium	41	10	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:43	QNW
Beryllium	3.0	0.40	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:43	QNW
Cadmium	0.67	0.20	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:43	QNW
Chromium	2.3	1.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:43	QNW
Copper	47	1.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:43	QNW
Iron	110	0.25	mg/L	5		SW-846 6010D	5/11/20	5/12/20 18:51	MJH
Lead	ND	0.50	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:43	QNW
Manganese	680	10	µg/L	10		SW-846 6020B	5/11/20	5/12/20 15:09	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/6/20	5/11/20 13:36	CJV
Nickel	68	5.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:43	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:43	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:43	QNW
Thallium	12	0.20	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:43	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:43	QNW
Zinc	150	10	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:43	QNW

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

Project Location: Montville, CT | Sample Description: | Work Order: 20E0154

Date Received: 5/5/2020

Field Sample #: MW-104R | Sampled: 5/5/2020 11:11

Sample ID: 20E0154-05

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:05	MJH
Arsenic	34	0.80	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:05	MJH
Barium	42	10	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:05	MJH
Beryllium	3.6	0.40	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:05	MJH
Cadmium	0.69	0.20	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:05	MJH
Chromium	2.8	1.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:05	MJH
Copper	53	1.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:05	MJH
Iron	110	0.050	mg/L	1		SW-846 6010D	5/6/20	5/6/20 21:59	QNW
Lead	0.50	0.50	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:05	MJH
Manganese	660	10	µg/L	10		SW-846 6020B	5/6/20	5/13/20 12:54	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/6/20	5/11/20 14:10	CJV
Nickel	73	5.0	µg/L	1		SW-846 6020B	5/6/20	5/7/20 10:54	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:05	MJH
Silver	ND	0.20	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:05	MJH
Thallium	12	0.20	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:05	MJH
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:05	MJH
Zinc	160	10	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:05	MJH

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

Project Location: Montville, CT | Sample Description: | Work Order: 20E0154

Date Received: 5/5/2020

Field Sample #: MW-104R | Sampled: 5/5/2020 11:11

Sample ID: 20E0154-05

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
pH @17.3°C	3.8		pH Units	1	H-05	SM21-22 4500 H B	5/6/20	5/6/20 7:45	LL

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

Project Location: Montville, CT | Sample Description: | Work Order: 20E0154

Date Received: 5/5/2020

Field Sample #: MW-101R | Sampled: 5/5/2020 12:51

Sample ID: 20E0154-06

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:46	QNW
Arsenic	49	0.80	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:46	QNW
Barium	22	10	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:46	QNW
Beryllium	3.9	0.40	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:46	QNW
Cadmium	1.4	0.20	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:46	QNW
Chromium	5.3	1.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:46	QNW
Copper	58	1.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:46	QNW
Iron	45	0.050	mg/L	1		SW-846 6010D	5/11/20	5/12/20 16:26	MJH
Lead	2.6	0.50	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:46	QNW
Manganese	110	1.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:46	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/6/20	5/11/20 13:37	CJV
Nickel	30	5.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:46	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:46	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:46	QNW
Thallium	5.1	0.20	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:46	QNW
Vanadium	14	5.0	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:46	QNW
Zinc	88	10	µg/L	1		SW-846 6020B	5/11/20	5/12/20 12:46	QNW

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Project Location: Montville, CT | Sample Description: | Work Order: 20E0154

Date Received: 5/5/2020

Field Sample #: MW-101R | Sampled: 5/5/2020 12:51

Sample ID: 20E0154-06

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:09	MJH
Arsenic	51	0.80	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:09	MJH
Barium	22	10	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:09	MJH
Beryllium	4.0	0.40	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:09	MJH
Cadmium	1.4	0.20	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:09	MJH
Chromium	5.5	1.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:09	MJH
Copper	64	1.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:09	MJH
Iron	44	0.050	mg/L	1		SW-846 6010D	5/6/20	5/6/20 22:06	QNW
Lead	2.5	0.50	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:09	MJH
Manganese	110	1.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:09	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/6/20	5/11/20 14:12	CJV
Nickel	34	5.0	µg/L	1		SW-846 6020B	5/6/20	5/7/20 10:57	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:09	MJH
Silver	ND	0.20	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:09	MJH
Thallium	4.9	0.20	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:09	MJH
Vanadium	15	5.0	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:09	MJH
Zinc	98	10	µg/L	1		SW-846 6020B	5/6/20	5/6/20 16:09	MJH

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

Project Location: Montville, CT | Sample Description: | Work Order: 20E0154

Date Received: 5/5/2020

Field Sample #: MW-101R | Sampled: 5/5/2020 12:51

Sample ID: 20E0154-06

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
pH @17.4°C	3.6		pH Units	1	H-05	SM21-22 4500 H B	5/6/20	5/6/20 7:45	LL

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

Sample Extraction Data

SM21-22 4500 H B

Lab Number [Field ID]	Batch	Initial [mL]	Date
20E0154-01 [SW-8]	B257492	50.0	05/06/20
20E0154-02 [MW-105R]	B257492	50.0	05/06/20
20E0154-03 [SW-9]	B257492	50.0	05/06/20
20E0154-04 [SW-16]	B257492	50.0	05/06/20
20E0154-05 [MW-104R]	B257492	50.0	05/06/20
20E0154-06 [MW-101R]	B257492	50.0	05/06/20

Prep Method: SW-846 3005A Dissolved **Analytical Method: SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20E0154-01 [SW-8]	B257510	50.0	50.0	05/06/20
20E0154-02 [MW-105R]	B257510	50.0	50.0	05/06/20
20E0154-03 [SW-9]	B257510	50.0	50.0	05/06/20
20E0154-04 [SW-16]	B257510	50.0	50.0	05/06/20
20E0154-05 [MW-104R]	B257510	50.0	50.0	05/06/20
20E0154-06 [MW-101R]	B257510	50.0	50.0	05/06/20

Prep Method: SW-846 3005A **Analytical Method: SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20E0154-01 [SW-8]	B257834	50.0	50.0	05/11/20
20E0154-02 [MW-105R]	B257834	50.0	50.0	05/11/20
20E0154-03 [SW-9]	B257834	50.0	50.0	05/11/20
20E0154-04 [SW-16]	B257834	50.0	50.0	05/11/20
20E0154-05 [MW-104R]	B257834	50.0	50.0	05/11/20
20E0154-06 [MW-101R]	B257834	50.0	50.0	05/11/20

Prep Method: SW-846 3005A Dissolved **Analytical Method: SW-846 6020B**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20E0154-01 [SW-8]	B257509	50.0	50.0	05/06/20
20E0154-02 [MW-105R]	B257509	50.0	50.0	05/06/20
20E0154-03 [SW-9]	B257509	50.0	50.0	05/06/20
20E0154-04 [SW-16]	B257509	50.0	50.0	05/06/20
20E0154-05 [MW-104R]	B257509	50.0	50.0	05/06/20
20E0154-06 [MW-101R]	B257509	50.0	50.0	05/06/20

Prep Method: SW-846 3005A **Analytical Method: SW-846 6020B**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20E0154-01 [SW-8]	B257782	50.0	50.0	05/11/20
20E0154-02 [MW-105R]	B257782	50.0	50.0	05/11/20
20E0154-03 [SW-9]	B257782	50.0	50.0	05/11/20
20E0154-04 [SW-16]	B257782	50.0	50.0	05/11/20
20E0154-05 [MW-104R]	B257782	50.0	50.0	05/11/20
20E0154-06 [MW-101R]	B257782	50.0	50.0	05/11/20

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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 7470A Prep **Analytical Method: SW-846 7470A**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20E0154-01 [SW-8]	B257502	6.00	6.00	05/06/20
20E0154-02 [MW-105R]	B257502	6.00	6.00	05/06/20
20E0154-03 [SW-9]	B257502	6.00	6.00	05/06/20
20E0154-04 [SW-16]	B257502	6.00	6.00	05/06/20
20E0154-05 [MW-104R]	B257502	6.00	6.00	05/06/20
20E0154-06 [MW-101R]	B257502	6.00	6.00	05/06/20

Prep Method: SW-846 7470A Dissolved **Analytical Method: SW-846 7470A**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20E0154-01 [SW-8]	B257503	6.00	6.00	05/06/20
20E0154-02 [MW-105R]	B257503	6.00	6.00	05/06/20
20E0154-03 [SW-9]	B257503	6.00	6.00	05/06/20
20E0154-04 [SW-16]	B257503	6.00	6.00	05/06/20
20E0154-05 [MW-104R]	B257503	6.00	6.00	05/06/20
20E0154-06 [MW-101R]	B257503	6.00	6.00	05/06/20

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B257502 - SW-846 7470A Prep										
Blank (B257502-BLK1)				Prepared: 05/06/20 Analyzed: 05/11/20						
Mercury	ND	0.00010	mg/L							
LCS (B257502-BS1)				Prepared: 05/06/20 Analyzed: 05/11/20						
Mercury	0.00396	0.00010	mg/L	0.00400		99.0	80-120			
LCS Dup (B257502-BSD1)				Prepared: 05/06/20 Analyzed: 05/11/20						
Mercury	0.00388	0.00010	mg/L	0.00400		97.1	80-120	1.91	20	
Duplicate (B257502-DUP1)		**Source: 20E0154-01**		Prepared: 05/06/20 Analyzed: 05/11/20						
Mercury	ND	0.00010	mg/L		ND			NC	20	
Matrix Spike (B257502-MS1)		**Source: 20E0154-01**		Prepared: 05/06/20 Analyzed: 05/11/20						
Mercury	0.00376	0.00010	mg/L	0.00400	ND	93.9	75-125			
Batch B257782 - SW-846 3005A										
Blank (B257782-BLK1)				Prepared: 05/11/20 Analyzed: 05/12/20						
Antimony	ND	1.0	µg/L							
Arsenic	ND	0.80	µg/L							
Barium	ND	10	µg/L							
Beryllium	ND	0.40	µg/L							
Cadmium	ND	0.20	µg/L							
Chromium	ND	1.0	µg/L							
Copper	ND	1.0	µg/L							
Lead	ND	0.50	µg/L							
Manganese	ND	1.0	µg/L							
Nickel	ND	5.0	µg/L							
Selenium	ND	5.0	µg/L							
Silver	ND	0.20	µg/L							
Thallium	ND	0.20	µg/L							
Vanadium	ND	5.0	µg/L							
Zinc	ND	10	µg/L							
LCS (B257782-BS1)				Prepared: 05/11/20 Analyzed: 05/12/20						
Antimony	499	10	µg/L	500		99.9	80-120			
Arsenic	505	8.0	µg/L	500		101	80-120			
Barium	489	100	µg/L	500		97.7	80-120			
Beryllium	489	4.0	µg/L	500		97.8	80-120			
Cadmium	518	2.0	µg/L	500		104	80-120			
Chromium	502	10	µg/L	500		100	80-120			
Copper	977	10	µg/L	1000		97.7	80-120			
Lead	500	5.0	µg/L	500		99.9	80-120			
Manganese	493	10	µg/L	500		98.7	80-120			
Nickel	493	50	µg/L	500		98.6	80-120			
Selenium	506	50	µg/L	500		101	80-120			
Silver	498	2.0	µg/L	500		99.7	80-120			
Thallium	469	2.0	µg/L	500		93.9	80-120			
Vanadium	464	50	µg/L	500		92.7	80-120			
Zinc	1010	100	µg/L	1000		101	80-120			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B257782 - SW-846 3005A										
LCS Dup (B257782-BSD1)				Prepared: 05/11/20 Analyzed: 05/12/20						
Antimony	503	10	µg/L	500		101	80-120	0.707	20	
Arsenic	507	8.0	µg/L	500		101	80-120	0.333	20	
Barium	482	100	µg/L	500		96.4	80-120	1.37	20	
Beryllium	494	4.0	µg/L	500		98.7	80-120	0.925	20	
Cadmium	522	2.0	µg/L	500		104	80-120	0.724	20	
Chromium	508	10	µg/L	500		102	80-120	1.14	20	
Copper	976	10	µg/L	1000		97.6	80-120	0.127	20	
Lead	506	5.0	µg/L	500		101	80-120	1.29	20	
Manganese	497	10	µg/L	500		99.3	80-120	0.676	20	
Nickel	494	50	µg/L	500		98.7	80-120	0.120	20	
Selenium	499	50	µg/L	500		99.8	80-120	1.43	20	
Silver	504	2.0	µg/L	500		101	80-120	1.02	20	
Thallium	475	2.0	µg/L	500		94.9	80-120	1.12	20	
Vanadium	472	50	µg/L	500		94.5	80-120	1.88	20	
Zinc	1010	100	µg/L	1000		101	80-120	0.146	20	
Duplicate (B257782-DUP1)		**Source: 20E0154-01**		Prepared: 05/11/20 Analyzed: 05/12/20						
Antimony	ND	1.0	µg/L		ND			NC	20	
Arsenic	ND	0.80	µg/L		ND			NC	20	
Barium	ND	10	µg/L		ND			NC	20	
Beryllium	ND	0.40	µg/L		ND			NC	20	
Cadmium	ND	0.20	µg/L		ND			NC	20	
Chromium	ND	1.0	µg/L		ND			NC	20	
Copper	ND	1.0	µg/L		ND			NC	20	
Lead	ND	0.50	µg/L		ND			NC	20	
Manganese	58.0	1.0	µg/L		58.3			0.538	20	
Nickel	ND	5.0	µg/L		ND			NC	20	
Selenium	ND	5.0	µg/L		ND			NC	20	
Silver	ND	0.20	µg/L		ND			NC	20	
Thallium	ND	0.20	µg/L		ND			NC	20	
Vanadium	ND	5.0	µg/L		ND			NC	20	
Zinc	ND	10	µg/L		ND			NC	20	
Matrix Spike (B257782-MS1)		**Source: 20E0154-01**		Prepared: 05/11/20 Analyzed: 05/12/20						
Antimony	519	10	µg/L	500	ND	104	75-125			
Arsenic	533	8.0	µg/L	500	ND	107	75-125			
Barium	509	100	µg/L	500	ND	102	75-125			
Beryllium	526	4.0	µg/L	500	ND	105	75-125			
Cadmium	541	2.0	µg/L	500	ND	108	75-125			
Chromium	514	10	µg/L	500	ND	103	75-125			
Copper	1010	10	µg/L	1000	ND	101	75-125			
Lead	525	5.0	µg/L	500	ND	105	75-125			
Manganese	568	10	µg/L	500	58.3	102	75-125			
Nickel	510	50	µg/L	500	ND	102	75-125			
Selenium	525	50	µg/L	500	ND	105	75-125			
Silver	479	2.0	µg/L	500	ND	95.9	75-125			
Thallium	491	2.0	µg/L	500	ND	98.2	75-125			
Vanadium	497	50	µg/L	500	ND	99.4	75-125			
Zinc	1050	100	µg/L	1000	ND	105	75-125			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B257834 - SW-846 3005A										
Blank (B257834-BLK1)				Prepared: 05/11/20 Analyzed: 05/12/20						
Iron	ND	0.050	mg/L							
LCS (B257834-BS1)				Prepared: 05/11/20 Analyzed: 05/12/20						
Iron	3.96	0.050	mg/L	4.00		99.0	80-120			
LCS Dup (B257834-BSD1)				Prepared: 05/11/20 Analyzed: 05/12/20						
Iron	4.02	0.050	mg/L	4.00		100	80-120	1.35	20	
Duplicate (B257834-DUP1)	**Source: 20E0154-01**			Prepared: 05/11/20 Analyzed: 05/12/20						
Iron	1.04	0.050	mg/L		1.06			1.63	20	
Matrix Spike (B257834-MS1)	**Source: 20E0154-01**			Prepared: 05/11/20 Analyzed: 05/12/20						
Iron	5.04	0.050	mg/L	4.00	1.06	99.7	75-125			

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B257503 - SW-846 7470A Dissolved										
Blank (B257503-BLK1)				Prepared: 05/06/20 Analyzed: 05/11/20						
Mercury	ND	0.00010	mg/L							
LCS (B257503-BS1)				Prepared: 05/06/20 Analyzed: 05/11/20						
Mercury	0.00390	0.00010	mg/L	0.00400		97.5	80-120			
LCS Dup (B257503-BSD1)				Prepared: 05/06/20 Analyzed: 05/11/20						
Mercury	0.00390	0.00010	mg/L	0.00400		97.4	80-120	0.0340	20	
Duplicate (B257503-DUP1)		**Source: 20E0154-01**		Prepared: 05/06/20 Analyzed: 05/11/20						
Mercury	ND	0.00010	mg/L		ND			NC	20	
Matrix Spike (B257503-MS1)		**Source: 20E0154-01**		Prepared: 05/06/20 Analyzed: 05/11/20						
Mercury	0.00392	0.00010	mg/L	0.00400	ND	97.9	75-125			
Batch B257509 - SW-846 3005A Dissolved										
Blank (B257509-BLK1)				Prepared & Analyzed: 05/06/20						
Antimony	ND	1.0	µg/L							
Arsenic	ND	0.80	µg/L							
Barium	ND	10	µg/L							
Beryllium	ND	0.40	µg/L							
Cadmium	ND	0.20	µg/L							
Chromium	ND	1.0	µg/L							
Copper	ND	1.0	µg/L							
Lead	ND	0.50	µg/L							
Manganese	ND	1.0	µg/L							
Nickel	ND	5.0	µg/L							
Selenium	ND	5.0	µg/L							
Silver	ND	0.20	µg/L							
Thallium	ND	0.20	µg/L							
Vanadium	ND	5.0	µg/L							
Zinc	ND	10	µg/L							
LCS (B257509-BS1)				Prepared & Analyzed: 05/06/20						
Antimony	502	10	µg/L	500		100	80-120			
Arsenic	505	8.0	µg/L	500		101	80-120			
Barium	488	100	µg/L	500		97.6	80-120			
Beryllium	506	4.0	µg/L	500		101	80-120			
Cadmium	517	2.0	µg/L	500		103	80-120			
Chromium	513	10	µg/L	500		103	80-120			
Copper	999	10	µg/L	1000		99.9	80-120			
Lead	504	5.0	µg/L	500		101	80-120			
Manganese	503	10	µg/L	500		101	80-120			
Nickel	523	50	µg/L	500		105	80-120			
Selenium	505	50	µg/L	500		101	80-120			
Silver	499	2.0	µg/L	500		99.8	80-120			
Thallium	475	2.0	µg/L	500		94.9	80-120			
Vanadium	487	50	µg/L	500		97.4	80-120			
Zinc	1020	100	µg/L	1000		102	80-120			

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B257509 - SW-846 3005A Dissolved										
LCS Dup (B257509-BSD1)				Prepared & Analyzed: 05/06/20						
Antimony	498	10	µg/L	500		99.5	80-120	0.921	20	
Arsenic	505	8.0	µg/L	500		101	80-120	0.0434	20	
Barium	483	100	µg/L	500		96.6	80-120	1.02	20	
Beryllium	500	4.0	µg/L	500		100	80-120	1.14	20	
Cadmium	511	2.0	µg/L	500		102	80-120	1.04	20	
Chromium	510	10	µg/L	500		102	80-120	0.495	20	
Copper	995	10	µg/L	1000		99.5	80-120	0.396	20	
Lead	506	5.0	µg/L	500		101	80-120	0.273	20	
Manganese	499	10	µg/L	500		99.7	80-120	0.836	20	
Nickel	522	50	µg/L	500		104	80-120	0.0200	20	
Selenium	505	50	µg/L	500		101	80-120	0.0377	20	
Silver	489	2.0	µg/L	500		97.8	80-120	2.01	20	
Thallium	478	2.0	µg/L	500		95.6	80-120	0.657	20	
Vanadium	487	50	µg/L	500		97.4	80-120	0.0474	20	
Zinc	1020	100	µg/L	1000		102	80-120	0.250	20	
Duplicate (B257509-DUP1)	**Source: 20E0154-01**			Prepared & Analyzed: 05/06/20						
Antimony	ND	1.0	µg/L		ND			NC	20	
Arsenic	ND	0.80	µg/L		ND			NC	20	
Barium	ND	10	µg/L		ND			NC	20	
Beryllium	ND	0.40	µg/L		ND			NC	20	
Cadmium	ND	0.20	µg/L		ND			NC	20	
Chromium	1.20	1.0	µg/L		1.31			9.04	20	
Copper	1.07	1.0	µg/L		1.09			1.88	20	
Lead	ND	0.50	µg/L		ND			NC	20	
Manganese	58.0	1.0	µg/L		58.3			0.504	20	
Nickel	ND	5.0	µg/L		ND			NC	20	
Selenium	ND	5.0	µg/L		ND			NC	20	
Silver	ND	0.20	µg/L		ND			NC	20	
Thallium	ND	0.20	µg/L		ND			NC	20	
Vanadium	ND	5.0	µg/L		ND			NC	20	
Zinc	ND	10	µg/L		ND			NC	20	
Matrix Spike (B257509-MS1)	**Source: 20E0154-01**			Prepared & Analyzed: 05/06/20						
Antimony	512	10	µg/L	500	ND	102	75-125			
Arsenic	515	8.0	µg/L	500	ND	103	75-125			
Barium	501	100	µg/L	500	ND	100	75-125			
Beryllium	515	4.0	µg/L	500	ND	103	75-125			
Cadmium	523	2.0	µg/L	500	ND	105	75-125			
Chromium	517	10	µg/L	500	ND	103	75-125			
Copper	1020	10	µg/L	1000	ND	102	75-125			
Lead	513	5.0	µg/L	500	ND	103	75-125			
Manganese	566	10	µg/L	500	58.3	102	75-125			
Nickel	537	50	µg/L	500	ND	107	75-125			
Selenium	518	50	µg/L	500	ND	104	75-125			
Silver	504	2.0	µg/L	500	ND	101	75-125			
Thallium	483	2.0	µg/L	500	ND	96.6	75-125			
Vanadium	501	50	µg/L	500	ND	100	75-125			
Zinc	1050	100	µg/L	1000	ND	105	75-125			

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B257510 - SW-846 3005A Dissolved										
Blank (B257510-BLK1)				Prepared & Analyzed: 05/06/20						
Iron	ND	0.050	mg/L							
LCS (B257510-BS1)				Prepared & Analyzed: 05/06/20						
Iron	3.92	0.050	mg/L	4.00		97.9	80-120			
LCS Dup (B257510-BSD1)				Prepared & Analyzed: 05/06/20						
Iron	4.03	0.050	mg/L	4.00		101	80-120	2.73	20	
Duplicate (B257510-DUP1)		**Source: 20E0154-01**		Prepared & Analyzed: 05/06/20						
Iron	0.688	0.050	mg/L		0.689			0.236	20	
Matrix Spike (B257510-MS1)		**Source: 20E0154-01**		Prepared & Analyzed: 05/06/20						
Iron	4.66	0.050	mg/L	4.00	0.689	99.3	75-125			

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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 B257492 - SM21-22 4500 H B										
LCS (B257492-BS1)				Prepared & Analyzed: 05/06/20						
pH	6.04		pH Units	6.00		101	90-110			
Duplicate (B257492-DUP1)		**Source: 20E0154-01**		Prepared & Analyzed: 05/06/20						
pH	6.7		pH Units		6.8			1.41	5.46	H-05

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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.
H-05	Holding time was exceeded. pH analysis should be performed immediately at time of sampling. Nominal 15 minute holding time was exceeded.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-22 4500 H B in Water	
pH	CT,MA,RI
SW-846 6010D in Water	
Iron	CT,NH,NY,ME,VA,NC
Iron	CT,NH,NY,ME,NC,VA
SW-846 6020B in Water	
Antimony	CT,NH,NY,ME,VA,NC
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,NC,ME,VA
Arsenic	CT,NH,NY,ME,VA,NC
Barium	MA,NY,CT,NC,NH,ME,VA
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,NC,ME,VA
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,NC,ME,VA
Cadmium	CT,NH,NY,RI,ME,VA,NC
Chromium	CT,NH,NY,NC,ME,VA
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,NC,ME,VA
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,NC,ME,VA
Manganese	CT,NH,NY,NC,ME,VA
Manganese	CT,NH,NY,ME,VA,NC
Nickel	CT,NH,NY,NC,ME,VA
Nickel	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,NC,ME,VA
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Silver	CT,NC,NH,NY,ME,VA
Thallium	CT,NH,NY,NC,ME,VA
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,NC,ME,VA
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,NC,ME,VA
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
Mercury	CT,NH,NY,NC,ME,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2020
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2021
NY	New York State Department of Health	10899 NELAP	04/1/2021
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2021
RI	Rhode Island Department of Health	LAO00112	12/30/2020
NC	North Carolina Div. of Water Quality	652	12/31/2020
NJ	New Jersey DEP	MA007 NELAP	06/30/2020
FL	Florida Department of Health	E871027 NELAP	06/30/2020
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2020
ME	State of Maine	2011028	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2020
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2020
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2020
NC-DW	North Carolina Department of Health	25703	07/31/2020
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2020

20E0154

con-test ANALYTICAL LABORATORY

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

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 2_06262019

Page 1 of 1

Company Name:	
Address:	247 Station Dr, Westwood, MA 02090
Phone:	781-441-3807
Project Name:	Hunts Brook Property
Project Location:	Montville, CT
Project Number:	14-0754-120
Project Manager:	Jonathan E. Reich
Con-Test Quote Name/Number:	Eversource PO#10948702
Invoice Recipient:	NSTAR/Eversource - Monthly
Sampled By:	Dan Connolly

Requested Turnaround Time			
7-Day	X	10-Day	
PFAS 10-Day (std)		Due Date:	

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

Dissolved Metals Samples	
X	Field Filtered
O	Lab to Filter

Orthophosphate Samples	
O	Field Filtered
O	Lab to Filter

Data Delivery			
Format:	PDF	X	EXCEL X
Other:			
CLP Like Data Pkg Required:			
Email To:	LEWilley@TigheBond.com		
Fax To #:			

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	Total CT DEEP RSR 15 Mn (I,N)	Total Iron + Manganese (I,N)	Dissolved CT DEEP RSR 15 Metals (I,N)	Dissolved Iron + Manganese (I,N)	pH (I)
1	SW-8	5/5/20	0935	GRAB	O	L			3			X	X	X	X	X
2	MW-105R	5/5/20	0946	GRAB	GW	L			3			X	X	X	X	X
3	SW-9	5/5/20	0955	GRAB	O	L			3			X	X	X	X	X
4	SW-16	5/5/20	1040	GRAB	O	L			3			X	X	X	X	X
5	MW-104R	5/5/20	1111	GRAB	GW	L			3			X	X	X	X	X
6	MW-101R	5/5/20	1251	GRAB	GW	L			3			X	X	X	X	X

[2] Preservation Code

Courier Use Only

Total Number Of:

VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N

Glassware in freezer? Y / N

Prepackaged Cooler? Y / N

*Contest is not responsible for missing samples from prepacked coolers

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

[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)

Relinquished by: (signature)	Date/Time:	5/5/20
Received by: (signature)	Date/Time:	5/5/20 1531
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Client Comments: Dissolved Metals were Field Filtered EWO: HUNTBRK1
Con-Test PO#10948702
Company#: 11 Cost Center: 071

Detection Limit Requirements	
MA	
CT	GWPC (GA Area) and SWPC
Other	

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

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

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

Lab Comments:

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

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 Tighe Bond

Received By SA Date 5/5 Time 1531

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 # 5 Actual Temp - 3.3
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 Who was notified? ____
Are there Rushes? F Who was notified? ____
Are there Short Holds? T Who was notified? NA
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 T 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	21	4oz Amb/Clear	
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:

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August 7, 2020

Jonathan Reich
Eversource Energy - MA (Monthly Billing)
One NSTAR Way, SUM SE-250
Westwood, MA 02090-9230

Project Location: Montville, CT
Client Job Number:
Project Number: 14-0754-120
Laboratory Work Order Number: 20G1371

Enclosed are results of analyses for samples received by the laboratory on July 29, 2020. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jessica L. Hoffman
Project Manager

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Eversource Energy - MA (Monthly Billing)
One NSTAR Way, SUM SE-250
Westwood, MA 02090-9230
ATTN: Jonathan Reich

REPORT DATE: 8/7/2020

PURCHASE ORDER NUMBER: 10948702

PROJECT NUMBER: 14-0754-120

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 20G1371

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

PROJECT LOCATION: Montville, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SW-9	20G1371-01	Surface Water		SM21-22 4500 H B	
				SW-846 6010D	
				SW-846 6020B	
				SW-846 7470A	
SW-16	20G1371-02	Surface Water		SM21-22 4500 H B	
				SW-846 6010D	
				SW-846 6020B	
				SW-846 7470A	

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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.

SM21-22 4500 H B

Qualifications:

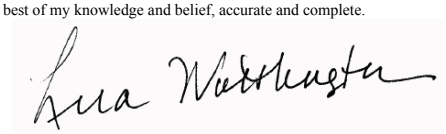
H-03

Sample received after recommended holding time was exceeded.

Analyte & Samples(s) Qualified:

pH
20G1371-01[SW-9], 20G1371-02[SW-16], B262995-BS1

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
Technical Representative

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

Project Location: Montville, CT | Sample Description: | Work Order: 20G1371

Date Received: 7/29/2020

Field Sample #: SW-9 | Sampled: 7/28/2020 13:20

Sample ID: 20G1371-01

Sample Matrix: Surface Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:05	QNW
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:05	QNW
Barium	40	10	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:05	QNW
Beryllium	ND	0.40	µg/L	1		SW-846 6020B	7/30/20	8/3/20 13:10	QNW
Cadmium	ND	0.20	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:05	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:05	QNW
Copper	ND	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:05	QNW
Iron	37	0.050	mg/L	1		SW-846 6010D	7/30/20	7/31/20 11:42	MJH
Lead	ND	0.50	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:05	QNW
Manganese	430	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:05	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	7/30/20	7/30/20 16:53	AJL
Nickel	ND	5.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:05	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:05	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:05	QNW
Thallium	ND	0.20	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:05	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:05	QNW
Zinc	ND	10	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:05	QNW

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

Project Location: Montville, CT | Sample Description: | Work Order: 20G1371

Date Received: 7/29/2020

Field Sample #: SW-9 | Sampled: 7/28/2020 13:20

Sample ID: 20G1371-01

Sample Matrix: Surface Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:48	QNW
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:48	QNW
Barium	24	10	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:48	QNW
Beryllium	ND	0.40	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:48	QNW
Cadmium	ND	0.20	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:48	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:48	QNW
Copper	ND	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:48	QNW
Iron	3.2	0.050	mg/L	1		SW-846 6010D	7/30/20	7/31/20 12:54	TBC
Lead	ND	0.50	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:48	QNW
Manganese	280	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:48	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	7/30/20	7/30/20 16:18	AJL
Nickel	ND	5.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:48	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:48	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:48	QNW
Thallium	ND	0.20	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:48	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:48	QNW
Zinc	ND	10	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:48	QNW

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

Project Location: Montville, CT | Sample Description: | Work Order: 20G1371

Date Received: 7/29/2020

Field Sample #: SW-9 | Sampled: 7/28/2020 13:20

Sample ID: 20G1371-01

Sample Matrix: Surface Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
pH @16.7°C	5.8		pH Units	1	H-03	SM21-22 4500 H B	7/29/20	7/28/20 17:30	CB2

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

Project Location: Montville, CT | Sample Description: | Work Order: 20G1371

Date Received: 7/29/2020

Field Sample #: SW-16 | Sampled: 7/28/2020 13:35

Sample ID: 20G1371-02

Sample Matrix: Surface Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:08	QNW
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:08	QNW
Barium	40	10	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:08	QNW
Beryllium	ND	0.40	µg/L	1		SW-846 6020B	7/30/20	8/3/20 13:13	QNW
Cadmium	ND	0.20	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:08	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:08	QNW
Copper	1.6	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:08	QNW
Iron	7.9	0.050	mg/L	1		SW-846 6010D	7/30/20	7/31/20 11:47	MJH
Lead	ND	0.50	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:08	QNW
Manganese	160	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:08	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	7/30/20	7/30/20 16:54	AJL
Nickel	ND	5.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:08	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:08	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:08	QNW
Thallium	ND	0.20	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:08	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:08	QNW
Zinc	ND	10	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:08	QNW

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

Project Location: Montville, CT | Sample Description: | Work Order: 20G1371

Date Received: 7/29/2020

Field Sample #: SW-16 | Sampled: 7/28/2020 13:35

Sample ID: 20G1371-02

Sample Matrix: Surface Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:51	QNW
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:51	QNW
Barium	40	10	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:51	QNW
Beryllium	ND	0.40	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:51	QNW
Cadmium	ND	0.20	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:51	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:51	QNW
Copper	3.5	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:51	QNW
Iron	5.1	0.050	mg/L	1		SW-846 6010D	7/30/20	7/31/20 12:59	TBC
Lead	ND	0.50	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:51	QNW
Manganese	160	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:51	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	7/30/20	7/30/20 16:24	AJL
Nickel	ND	5.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:51	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:51	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:51	QNW
Thallium	ND	0.20	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:51	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:51	QNW
Zinc	ND	10	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:51	QNW

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

Project Location: Montville, CT | Sample Description: | Work Order: 20G1371

Date Received: 7/29/2020

Field Sample #: SW-16 | Sampled: 7/28/2020 13:35

Sample ID: 20G1371-02

Sample Matrix: Surface Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
pH @16.5°C	3.2		pH Units	1	H-03	SM21-22 4500 H B	7/29/20	7/28/20 17:30	CB2

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

Sample Extraction Data

SM21-22 4500 H B

Lab Number [Field ID]	Batch	Initial [mL]	Date
20G1371-01 [SW-9]	B262995	50.0	07/29/20
20G1371-02 [SW-16]	B262995	50.0	07/29/20

Prep Method: SW-846 3005A **Analytical Method: SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20G1371-01 [SW-9]	B263027	50.0	50.0	07/30/20
20G1371-02 [SW-16]	B263027	50.0	50.0	07/30/20

Prep Method: SW-846 3005A Dissolved **Analytical Method: SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20G1371-01 [SW-9]	B263033	50.0	50.0	07/30/20
20G1371-02 [SW-16]	B263033	50.0	50.0	07/30/20

Prep Method: SW-846 3005A **Analytical Method: SW-846 6020B**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20G1371-01 [SW-9]	B263026	50.0	50.0	07/30/20
20G1371-02 [SW-16]	B263026	50.0	50.0	07/30/20

Prep Method: SW-846 3005A Dissolved **Analytical Method: SW-846 6020B**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20G1371-01 [SW-9]	B263032	50.0	50.0	07/30/20
20G1371-02 [SW-16]	B263032	50.0	50.0	07/30/20

Prep Method: SW-846 7470A Prep **Analytical Method: SW-846 7470A**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20G1371-01 [SW-9]	B263020	6.00	6.00	07/30/20
20G1371-02 [SW-16]	B263020	6.00	6.00	07/30/20

Prep Method: SW-846 7470A Dissolved **Analytical Method: SW-846 7470A**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20G1371-01 [SW-9]	B263021	6.00	6.00	07/30/20
20G1371-02 [SW-16]	B263021	6.00	6.00	07/30/20

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B263020 - SW-846 7470A Prep										
Blank (B263020-BLK1)				Prepared & Analyzed: 07/30/20						
Mercury	ND	0.00010	mg/L							
LCS (B263020-BS1)				Prepared & Analyzed: 07/30/20						
Mercury	0.00396	0.00010	mg/L	0.00400		99.0	80-120			
LCS Dup (B263020-BSD1)				Prepared & Analyzed: 07/30/20						
Mercury	0.00405	0.00010	mg/L	0.00400		101	80-120	2.33	20	
Batch B263026 - SW-846 3005A										
Blank (B263026-BLK1)				Prepared: 07/30/20 Analyzed: 07/31/20						
Antimony	ND	1.0	µg/L							
Arsenic	ND	0.80	µg/L							
Barium	ND	10	µg/L							
Beryllium	ND	0.40	µg/L							
Cadmium	ND	0.20	µg/L							
Chromium	ND	1.0	µg/L							
Copper	ND	1.0	µg/L							
Lead	ND	0.50	µg/L							
Manganese	ND	1.0	µg/L							
Nickel	ND	5.0	µg/L							
Selenium	ND	5.0	µg/L							
Silver	ND	0.20	µg/L							
Thallium	ND	0.20	µg/L							
Vanadium	ND	5.0	µg/L							
Zinc	ND	10	µg/L							
LCS (B263026-BS1)				Prepared: 07/30/20 Analyzed: 07/31/20						
Antimony	492	10	µg/L	500		98.3	80-120			
Arsenic	508	8.0	µg/L	500		102	80-120			
Barium	500	100	µg/L	500		99.9	80-120			
Beryllium	489	4.0	µg/L	500		97.8	80-120			
Cadmium	508	2.0	µg/L	500		102	80-120			
Chromium	509	10	µg/L	500		102	80-120			
Copper	1010	10	µg/L	1000		101	80-120			
Lead	515	5.0	µg/L	500		103	80-120			
Manganese	499	10	µg/L	500		99.9	80-120			
Nickel	523	50	µg/L	500		105	80-120			
Selenium	496	50	µg/L	500		99.3	80-120			
Silver	489	2.0	µg/L	500		97.7	80-120			
Thallium	485	2.0	µg/L	500		97.0	80-120			
Vanadium	497	50	µg/L	500		99.3	80-120			
Zinc	1040	100	µg/L	1000		104	80-120			

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B263026 - SW-846 3005A										
LCS Dup (B263026-BSD1)				Prepared: 07/30/20 Analyzed: 07/31/20						
Antimony	495	10	µg/L	500		98.9	80-120	0.629	20	
Arsenic	510	8.0	µg/L	500		102	80-120	0.354	20	
Barium	500	100	µg/L	500		99.9	80-120	0.0443	20	
Beryllium	488	4.0	µg/L	500		97.7	80-120	0.195	20	
Cadmium	509	2.0	µg/L	500		102	80-120	0.181	20	
Chromium	509	10	µg/L	500		102	80-120	0.0217	20	
Copper	1010	10	µg/L	1000		101	80-120	0.530	20	
Lead	515	5.0	µg/L	500		103	80-120	0.0460	20	
Manganese	496	10	µg/L	500		99.1	80-120	0.723	20	
Nickel	525	50	µg/L	500		105	80-120	0.347	20	
Selenium	496	50	µg/L	500		99.3	80-120	0.0241	20	
Silver	491	2.0	µg/L	500		98.1	80-120	0.445	20	
Thallium	485	2.0	µg/L	500		97.0	80-120	0.0439	20	
Vanadium	498	50	µg/L	500		99.6	80-120	0.289	20	
Zinc	1040	100	µg/L	1000		104	80-120	0.363	20	
Batch B263027 - SW-846 3005A										
Blank (B263027-BLK1)				Prepared: 07/30/20 Analyzed: 07/31/20						
Iron	ND	0.050	mg/L							
LCS (B263027-BS1)				Prepared: 07/30/20 Analyzed: 07/31/20						
Iron	4.23	0.050	mg/L	4.00		106	80-120			
LCS Dup (B263027-BSD1)				Prepared: 07/30/20 Analyzed: 07/31/20						
Iron	4.22	0.050	mg/L	4.00		105	80-120	0.363	20	

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

QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B263021 - SW-846 7470A Dissolved										
Blank (B263021-BLK1)				Prepared & Analyzed: 07/30/20						
Mercury	ND	0.00010	mg/L							
LCS (B263021-BS1)				Prepared & Analyzed: 07/30/20						
Mercury	0.00398	0.00010	mg/L	0.00400		99.6	80-120			
LCS Dup (B263021-BSD1)				Prepared & Analyzed: 07/30/20						
Mercury	0.00401	0.00010	mg/L	0.00400		100	80-120	0.576	20	
Duplicate (B263021-DUP1)		**Source: 20G1371-01**		Prepared & Analyzed: 07/30/20						
Mercury	ND	0.00010	mg/L		ND			NC	20	
Matrix Spike (B263021-MS1)		**Source: 20G1371-01**		Prepared & Analyzed: 07/30/20						
Mercury	0.00412	0.00010	mg/L	0.00400	ND	103	75-125			
Batch B263032 - SW-846 3005A Dissolved										
Blank (B263032-BLK1)				Prepared: 07/30/20 Analyzed: 07/31/20						
Antimony	ND	1.0	µg/L							
Arsenic	ND	0.80	µg/L							
Barium	ND	10	µg/L							
Beryllium	ND	0.40	µg/L							
Cadmium	ND	0.20	µg/L							
Chromium	ND	1.0	µg/L							
Copper	ND	1.0	µg/L							
Lead	ND	0.50	µg/L							
Manganese	ND	1.0	µg/L							
Nickel	ND	5.0	µg/L							
Selenium	ND	5.0	µg/L							
Silver	ND	0.20	µg/L							
Thallium	ND	0.20	µg/L							
Vanadium	ND	5.0	µg/L							
Zinc	ND	10	µg/L							
LCS (B263032-BS1)				Prepared: 07/30/20 Analyzed: 07/31/20						
Antimony	494	10	µg/L	500		98.7	80-120			
Arsenic	507	8.0	µg/L	500		101	80-120			
Barium	501	100	µg/L	500		100	80-120			
Beryllium	504	4.0	µg/L	500		101	80-120			
Cadmium	482	2.0	µg/L	500		96.4	80-120			
Chromium	530	10	µg/L	500		106	80-120			
Copper	1010	10	µg/L	1000		101	80-120			
Lead	510	5.0	µg/L	500		102	80-120			
Manganese	495	10	µg/L	500		99.1	80-120			
Nickel	488	50	µg/L	500		97.6	80-120			
Selenium	510	50	µg/L	500		102	80-120			
Silver	483	2.0	µg/L	500		96.6	80-120			
Thallium	488	2.0	µg/L	500		97.6	80-120			
Vanadium	514	50	µg/L	500		103	80-120			
Zinc	1010	100	µg/L	1000		101	80-120			

con-test® ANALYTICAL LABORATORY
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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B263032 - SW-846 3005A Dissolved										
LCS Dup (B263032-BSD1)				Prepared: 07/30/20 Analyzed: 07/31/20						
Antimony	491	10	µg/L	500		98.3	80-120	0.457	20	
Arsenic	500	8.0	µg/L	500		99.9	80-120	1.46	20	
Barium	489	100	µg/L	500		97.8	80-120	2.50	20	
Beryllium	498	4.0	µg/L	500		99.7	80-120	1.22	20	
Cadmium	478	2.0	µg/L	500		95.6	80-120	0.843	20	
Chromium	510	10	µg/L	500		102	80-120	3.82	20	
Copper	1010	10	µg/L	1000		101	80-120	0.942	20	
Lead	496	5.0	µg/L	500		99.2	80-120	2.68	20	
Manganese	488	10	µg/L	500		97.5	80-120	1.59	20	
Nickel	484	50	µg/L	500		96.9	80-120	0.761	20	
Selenium	498	50	µg/L	500		99.5	80-120	2.44	20	
Silver	485	2.0	µg/L	500		97.0	80-120	0.432	20	
Thallium	475	2.0	µg/L	500		95.0	80-120	2.72	20	
Vanadium	524	50	µg/L	500		105	80-120	1.92	20	
Zinc	1010	100	µg/L	1000		101	80-120	0.638	20	
Batch B263033 - SW-846 3005A Dissolved										
Blank (B263033-BLK1)				Prepared: 07/30/20 Analyzed: 07/31/20						
Iron	ND	0.050	mg/L							
LCS (B263033-BS1)				Prepared: 07/30/20 Analyzed: 07/31/20						
Iron	4.21	0.050	mg/L	4.00		105	80-120			
LCS Dup (B263033-BSD1)				Prepared: 07/30/20 Analyzed: 07/31/20						
Iron	4.12	0.050	mg/L	4.00		103	80-120	2.22	20	

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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 B262995 - SM21-22 4500 H B										
LCS (B262995-BS1)				Prepared: 07/29/20 Analyzed: 07/28/20						
pH	6.00		pH Units	6.00		100	90-110			H-03

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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.
H-03	Sample received after recommended holding time was exceeded.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-22 4500 H B in Drinking Water	
pH	CT,MA,RI
SW-846 6010D in Water	
Iron	CT,NH,NY,ME,VA,NC
Iron	CT,NH,NY,ME,NC,VA
SW-846 6020B in Water	
Antimony	CT,NH,NY,ME,VA,NC
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,NC,ME,VA
Arsenic	CT,NH,NY,ME,VA,NC
Barium	MA,NY,CT,NC,NH,ME,VA
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,NC,ME,VA
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,NC,ME,VA
Cadmium	CT,NH,NY,RI,ME,VA,NC
Chromium	CT,NH,NY,NC,ME,VA
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,NC,ME,VA
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,NC,ME,VA
Manganese	CT,NH,NY,NC,ME,VA
Manganese	CT,NH,NY,ME,VA,NC
Nickel	CT,NH,NY,NC,ME,VA
Nickel	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,NC,ME,VA
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Silver	CT,NC,NH,NY,ME,VA
Thallium	CT,NH,NY,NC,ME,VA
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,NC,ME,VA
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,NC,ME,VA
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
Mercury	CT,NH,NY,NC,ME,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2021
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2021
NY	New York State Department of Health	10899 NELAP	04/1/2021
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2021
RI	Rhode Island Department of Health	LAO00112	12/30/2020
NC	North Carolina Div. of Water Quality	652	12/31/2020
NJ	New Jersey DEP	MA007 NELAP	06/30/2021
FL	Florida Department of Health	E871027 NELAP	06/30/2021
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2021
ME	State of Maine	2011028	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2020
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2020
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2021
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2021

20G1371

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http://www.contestlabs.com

Doc # 381 Rev 2_06262019

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page __1__ of __1_

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

Company Name:	NSTAR/Eversource - Monthly Billing
Address:	247 Station Drive, Westwood, MA 02090
Phone:	781-441-3807
Project Name:	Hunts Brook Property
Project Location:	Montville, CT
Project Number:	14-0754-120
Project Manager:	Jonathan E. Reich
Con-Test Quote Name/Number:	Eversource PO#10948702
Invoice Recipient:	NSTAR/Eversource - Monthly Billing
Sampled By:	Ben Caswell

Requested Turnaround Time
7-Day ☑ 10-Day ☐
PFAS 10-Day (std) ☐ 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: LEWilley@tighebond.com
Fax To #:

Dissolved Metals Samples
● Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☐
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	Total CT DEEP RSR 15 Metals (I, N)	Total Iron and Manganese (I, N)	Dissolved CT DEEP RSR 15 Metals (I, N)	Dissolved Iron and Manganese (I, N)	pH (I)
	SW-8			Grab	SW				3			X	X	X	X	X
1	SW-9	7/24/20	15:20	Grab	SW				3			X	X	X	X	X
2	SW-16	7/24/20	13:35	Grab	SW				3			X	X	X	X	X

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N

*Contest is not responsible for missing samples from prepacked coolers

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

[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)

Relinquished by: (signature)	Date/Time: 7/24/20 17:00
Received by: (signature)	Date/Time: 7/24/20 8:30
Relinquished by: (signature)	Date/Time: 7/24/20 7:00
Received by: (signature)	Date/Time: 7/29/20 1900
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:
Dissolved metals were field filtered. No SW-9 Sample
Con-Test PO:-PO#10948702
FWO (Eversource work order): HUNTBRK1
Company #: 11 Cost Center: 07D

Detection Limit Requirements
MA
CT Surf Waters: CT WQSs
Acute and Chronic Aquatic Life Criteria
Other:

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

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

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

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab Comments:

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. Th Chain of Custody is a legal document that must be complete and accurate and is used to determine wl analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. C Test values your partnership on each project and will try to assist with missing information, but will n be held accountable.

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: NSTAR

Received By: SA Date: 7/29 Time: 1900

How were the samples received? In Cooler: T No Cooler: _____ On Ice: T No Ice: _____
Direct from Sampling: _____ Ambient: _____ Melted Ice: _____
By Gun #: 1 Actual Temp: 3.8
Were samples within Temperature? 2-6°C: T 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 Were samples received within holding time? T
Is COC in ink/ Legible? T Sampler Name: T
Did COC include all pertinent Information? Client: T Analysis: T Collection Dates/Times: T
Project: T ID's: T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified? _____
Are there Rushes? F Who was notified? _____
Are there Short Holds? T Who was notified? Maria
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: T 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	6 — 4 SA	4oz Amb/Clear	
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:

* PH pass hold.

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Eversource Energy - MA (Monthly Billing

Project Location: Montville, CT

Project Number: 20G1371

Laboratory Sample ID(s):
20G1371-01 thru 20G1371-02

Sample Date(s):
07/28/2020

List RCP Methods Used:

, , SW-846 6020B, SW-846 7470A

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:** **Technical Representative**

Printed Name: **Lisa A. Worthington** **Date:** **08/07/20**

Name of Laboratory: **Con-Test Analytical Laboratory**

This certification form is to be used for RCP methods only.

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August 7, 2020

Jonathan Reich
Eversource Energy - MA (Monthly Billing)
One NSTAR Way, SUM SE-250
Westwood, MA 02090-9230

Project Location: Montville, CT
Client Job Number:
Project Number: 14-0754-120
Laboratory Work Order Number: 20G1372

Enclosed are results of analyses for samples received by the laboratory on July 29, 2020. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jessica L. Hoffman
Project Manager

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Eversource Energy - MA (Monthly Billing)
One NSTAR Way, SUM SE-250
Westwood, MA 02090-9230
ATTN: Jonathan Reich

REPORT DATE: 8/7/2020

PURCHASE ORDER NUMBER: 10948702

PROJECT NUMBER: 14-0754-120

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 20G1372

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

PROJECT LOCATION: Montville, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-101R	20G1372-01	Ground Water		SM21-22 4500 H B	
				SW-846 6010D	
				SW-846 6020B	
				SW-846 7470A	
MW-104R	20G1372-02	Ground Water		SM21-22 4500 H B	
				SW-846 6010D	
				SW-846 6020B	
				SW-846 7470A	
MW-105R	20G1372-03	Ground Water		SM21-22 4500 H B	
				SW-846 6010D	
				SW-846 6020B	
				SW-846 7470A	

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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.

SM21-22 4500 H B

Qualifications:

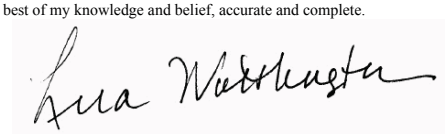
H-03

Sample received after recommended holding time was exceeded.

Analyte & Samples(s) Qualified:

pH
20G1372-01[MW-101R], 20G1372-02[MW-104R], 20G1372-03[MW-105R], B262995-BS1, B262995-DUP1

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
Technical Representative

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

Project Location: Montville, CT | Sample Description: | Work Order: 20G1372

Date Received: 7/29/2020

Field Sample #: MW-101R | Sampled: 7/28/2020 12:55

Sample ID: 20G1372-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:11	QNW
Arsenic	9.2	0.80	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:11	QNW
Barium	25	10	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:11	QNW
Beryllium	2.6	0.40	µg/L	1		SW-846 6020B	7/30/20	8/3/20 13:16	QNW
Cadmium	2.0	0.20	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:11	QNW
Chromium	1.3	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:11	QNW
Copper	35	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:11	QNW
Iron	28	0.050	mg/L	1		SW-846 6010D	7/30/20	7/31/20 11:52	MJH
Lead	1.2	0.50	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:11	QNW
Manganese	190	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:11	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	7/30/20	7/30/20 16:56	AJL
Nickel	36	5.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:11	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:11	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:11	QNW
Thallium	3.1	0.20	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:11	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:11	QNW
Zinc	150	10	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:11	QNW

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Project Location: Montville, CT | Sample Description: | Work Order: 20G1372

Date Received: 7/29/2020

Field Sample #: MW-101R | Sampled: 7/28/2020 12:55

Sample ID: 20G1372-01

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:54	QNW
Arsenic	2.4	0.80	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:54	QNW
Barium	25	10	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:54	QNW
Beryllium	2.5	0.40	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:54	QNW
Cadmium	1.7	0.20	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:54	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:54	QNW
Copper	41	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:54	QNW
Iron	27	0.050	mg/L	1		SW-846 6010D	7/30/20	7/31/20 13:04	TBC
Lead	0.96	0.50	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:54	QNW
Manganese	200	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:54	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	7/30/20	7/30/20 16:25	AJL
Nickel	32	5.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:54	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:54	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:54	QNW
Thallium	2.8	0.20	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:54	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:54	QNW
Zinc	130	10	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:54	QNW

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Project Location: Montville, CT | Sample Description: | Work Order: 20G1372

Date Received: 7/29/2020

Field Sample #: MW-101R | Sampled: 7/28/2020 12:55

Sample ID: 20G1372-01

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
pH @17.3°C	5.5		pH Units	1	H-03	SM21-22 4500 H B	7/29/20	7/28/20 17:30	CB2

con-test® ANALYTICAL LABORATORY
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Project Location: Montville, CT | Sample Description: | Work Order: 20G1372

Date Received: 7/29/2020

Field Sample #: MW-104R | Sampled: 7/28/2020 10:45

Sample ID: 20G1372-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:15	QNW
Arsenic	300	0.80	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:15	QNW
Barium	16	10	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:15	QNW
Beryllium	ND	0.40	µg/L	1		SW-846 6020B	7/30/20	8/3/20 13:19	QNW
Cadmium	ND	0.20	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:15	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:15	QNW
Copper	1.6	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:15	QNW
Iron	450	0.050	mg/L	1		SW-846 6010D	7/30/20	7/31/20 11:57	MJH
Lead	ND	0.50	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:15	QNW
Manganese	4300	10	µg/L	10		SW-846 6020B	7/30/20	8/3/20 13:22	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	7/30/20	7/30/20 16:58	AJL
Nickel	110	5.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:15	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:15	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:15	QNW
Thallium	2.2	0.20	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:15	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:15	QNW
Zinc	40	10	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:15	QNW

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

Project Location: Montville, CT | Sample Description: | Work Order: 20G1372

Date Received: 7/29/2020

Field Sample #: MW-104R | Sampled: 7/28/2020 10:45

Sample ID: 20G1372-02

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:56	QNW
Arsenic	260	0.80	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:56	QNW
Barium	15	10	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:56	QNW
Beryllium	ND	0.40	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:56	QNW
Cadmium	ND	0.20	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:56	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:56	QNW
Copper	1.7	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:56	QNW
Iron	470	0.050	mg/L	1		SW-846 6010D	7/30/20	7/31/20 13:09	TBC
Lead	ND	0.50	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:56	QNW
Manganese	4400	10	µg/L	10		SW-846 6020B	7/30/20	7/31/20 12:33	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	7/30/20	7/30/20 16:27	AJL
Nickel	100	5.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:56	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:56	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:56	QNW
Thallium	2.2	0.20	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:56	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:56	QNW
Zinc	40	10	µg/L	1		SW-846 6020B	7/30/20	7/31/20 11:56	QNW

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

Project Location: Montville, CT | Sample Description: | Work Order: 20G1372

Date Received: 7/29/2020

Field Sample #: MW-104R | Sampled: 7/28/2020 10:45

Sample ID: 20G1372-02

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
pH @16.6°C	3.7		pH Units	1	H-03	SM21-22 4500 H B	7/29/20	7/28/20 17:30	CB2

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

Project Location: Montville, CT | Sample Description: | Work Order: 20G1372

Date Received: 7/29/2020

Field Sample #: MW-105R | Sampled: 7/28/2020 11:00

Sample ID: 20G1372-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	1.6	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:18	QNW
Arsenic	44	0.80	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:18	QNW
Barium	43	10	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:18	QNW
Beryllium	19	0.40	µg/L	1		SW-846 6020B	7/30/20	8/3/20 13:50	QNW
Cadmium	7.2	0.20	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:18	QNW
Chromium	5.2	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:18	QNW
Copper	28	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:18	QNW
Iron	110	0.050	mg/L	1		SW-846 6010D	7/30/20	7/31/20 12:02	MJH
Lead	7.8	0.50	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:18	QNW
Manganese	720	10	µg/L	10		SW-846 6020B	7/30/20	8/3/20 14:25	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	7/30/20	7/30/20 16:59	AJL
Nickel	360	5.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:18	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:18	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:18	QNW
Thallium	25	0.20	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:18	QNW
Vanadium	15	5.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:18	QNW
Zinc	530	10	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:18	QNW

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

Project Location: Montville, CT | Sample Description: | Work Order: 20G1372

Date Received: 7/29/2020

Field Sample #: MW-105R | Sampled: 7/28/2020 11:00

Sample ID: 20G1372-03

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:05	QNW
Arsenic	1.2	0.80	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:05	QNW
Barium	16	10	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:05	QNW
Beryllium	16	0.40	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:05	QNW
Cadmium	7.6	0.20	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:05	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:05	QNW
Copper	25	1.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:05	QNW
Iron	100	0.050	mg/L	1		SW-846 6010D	7/30/20	7/31/20 13:15	TBC
Lead	1.7	0.50	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:05	QNW
Manganese	680	10	µg/L	10		SW-846 6020B	7/30/20	7/31/20 12:36	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	7/30/20	7/30/20 16:28	AJL
Nickel	340	5.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:05	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:05	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:05	QNW
Thallium	22	0.20	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:05	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:05	QNW
Zinc	540	10	µg/L	1		SW-846 6020B	7/30/20	7/31/20 12:05	QNW

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

Project Location: Montville, CT | Sample Description: | Work Order: 20G1372

Date Received: 7/29/2020

Field Sample #: MW-105R | Sampled: 7/28/2020 11:00

Sample ID: 20G1372-03

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
pH @17°C	5.5		pH Units	1	H-03	SM21-22 4500 H B	7/29/20	7/28/20 17:30	CB2

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Sample Extraction Data

SM21-22 4500 H B

Lab Number [Field ID]	Batch	Initial [mL]	Date
20G1372-01 [MW-101R]	B262995	50.0	07/29/20
20G1372-02 [MW-104R]	B262995	50.0	07/29/20
20G1372-03 [MW-105R]	B262995	50.0	07/29/20

Prep Method: SW-846 3005A **Analytical Method: SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20G1372-01 [MW-101R]	B263027	50.0	50.0	07/30/20
20G1372-02 [MW-104R]	B263027	50.0	50.0	07/30/20
20G1372-03 [MW-105R]	B263027	50.0	50.0	07/30/20

Prep Method: SW-846 3005A Dissolved **Analytical Method: SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20G1372-01 [MW-101R]	B263033	50.0	50.0	07/30/20
20G1372-02 [MW-104R]	B263033	50.0	50.0	07/30/20
20G1372-03 [MW-105R]	B263033	50.0	50.0	07/30/20

Prep Method: SW-846 3005A **Analytical Method: SW-846 6020B**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20G1372-01 [MW-101R]	B263026	50.0	50.0	07/30/20
20G1372-02 [MW-104R]	B263026	50.0	50.0	07/30/20
20G1372-03 [MW-105R]	B263026	50.0	50.0	07/30/20

Prep Method: SW-846 3005A Dissolved **Analytical Method: SW-846 6020B**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20G1372-01 [MW-101R]	B263032	50.0	50.0	07/30/20
20G1372-02 [MW-104R]	B263032	50.0	50.0	07/30/20
20G1372-03 [MW-105R]	B263032	50.0	50.0	07/30/20

Prep Method: SW-846 7470A Prep **Analytical Method: SW-846 7470A**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20G1372-01 [MW-101R]	B263020	6.00	6.00	07/30/20
20G1372-02 [MW-104R]	B263020	6.00	6.00	07/30/20
20G1372-03 [MW-105R]	B263020	6.00	6.00	07/30/20

Prep Method: SW-846 7470A Dissolved **Analytical Method: SW-846 7470A**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20G1372-01 [MW-101R]	B263021	6.00	6.00	07/30/20
20G1372-02 [MW-104R]	B263021	6.00	6.00	07/30/20
20G1372-03 [MW-105R]	B263021	6.00	6.00	07/30/20

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B263020 - SW-846 7470A Prep										
Blank (B263020-BLK1)				Prepared & Analyzed: 07/30/20						
Mercury	ND	0.00010	mg/L							
LCS (B263020-BS1)				Prepared & Analyzed: 07/30/20						
Mercury	0.00396	0.00010	mg/L	0.00400		99.0	80-120			
LCS Dup (B263020-BSD1)				Prepared & Analyzed: 07/30/20						
Mercury	0.00405	0.00010	mg/L	0.00400		101	80-120	2.33	20	
Batch B263026 - SW-846 3005A										
Blank (B263026-BLK1)				Prepared: 07/30/20 Analyzed: 07/31/20						
Antimony	ND	1.0	µg/L							
Arsenic	ND	0.80	µg/L							
Barium	ND	10	µg/L							
Beryllium	ND	0.40	µg/L							
Cadmium	ND	0.20	µg/L							
Chromium	ND	1.0	µg/L							
Copper	ND	1.0	µg/L							
Lead	ND	0.50	µg/L							
Manganese	ND	1.0	µg/L							
Nickel	ND	5.0	µg/L							
Selenium	ND	5.0	µg/L							
Silver	ND	0.20	µg/L							
Thallium	ND	0.20	µg/L							
Vanadium	ND	5.0	µg/L							
Zinc	ND	10	µg/L							
LCS (B263026-BS1)				Prepared: 07/30/20 Analyzed: 07/31/20						
Antimony	492	10	µg/L	500		98.3	80-120			
Arsenic	508	8.0	µg/L	500		102	80-120			
Barium	500	100	µg/L	500		99.9	80-120			
Beryllium	489	4.0	µg/L	500		97.8	80-120			
Cadmium	508	2.0	µg/L	500		102	80-120			
Chromium	509	10	µg/L	500		102	80-120			
Copper	1010	10	µg/L	1000		101	80-120			
Lead	515	5.0	µg/L	500		103	80-120			
Manganese	499	10	µg/L	500		99.9	80-120			
Nickel	523	50	µg/L	500		105	80-120			
Selenium	496	50	µg/L	500		99.3	80-120			
Silver	489	2.0	µg/L	500		97.7	80-120			
Thallium	485	2.0	µg/L	500		97.0	80-120			
Vanadium	497	50	µg/L	500		99.3	80-120			
Zinc	1040	100	µg/L	1000		104	80-120			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B263026 - SW-846 3005A										
LCS Dup (B263026-BSD1)				Prepared: 07/30/20 Analyzed: 07/31/20						
Antimony	495	10	µg/L	500		98.9	80-120	0.629	20	
Arsenic	510	8.0	µg/L	500		102	80-120	0.354	20	
Barium	500	100	µg/L	500		99.9	80-120	0.0443	20	
Beryllium	488	4.0	µg/L	500		97.7	80-120	0.195	20	
Cadmium	509	2.0	µg/L	500		102	80-120	0.181	20	
Chromium	509	10	µg/L	500		102	80-120	0.0217	20	
Copper	1010	10	µg/L	1000		101	80-120	0.530	20	
Lead	515	5.0	µg/L	500		103	80-120	0.0460	20	
Manganese	496	10	µg/L	500		99.1	80-120	0.723	20	
Nickel	525	50	µg/L	500		105	80-120	0.347	20	
Selenium	496	50	µg/L	500		99.3	80-120	0.0241	20	
Silver	491	2.0	µg/L	500		98.1	80-120	0.445	20	
Thallium	485	2.0	µg/L	500		97.0	80-120	0.0439	20	
Vanadium	498	50	µg/L	500		99.6	80-120	0.289	20	
Zinc	1040	100	µg/L	1000		104	80-120	0.363	20	
Batch B263027 - SW-846 3005A										
Blank (B263027-BLK1)				Prepared: 07/30/20 Analyzed: 07/31/20						
Iron	ND	0.050	mg/L							
LCS (B263027-BS1)				Prepared: 07/30/20 Analyzed: 07/31/20						
Iron	4.23	0.050	mg/L	4.00		106	80-120			
LCS Dup (B263027-BSD1)				Prepared: 07/30/20 Analyzed: 07/31/20						
Iron	4.22	0.050	mg/L	4.00		105	80-120	0.363	20	

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B263021 - SW-846 7470A Dissolved										
Blank (B263021-BLK1)				Prepared & Analyzed: 07/30/20						
Mercury	ND	0.00010	mg/L							
LCS (B263021-BS1)				Prepared & Analyzed: 07/30/20						
Mercury	0.00398	0.00010	mg/L	0.00400		99.6	80-120			
LCS Dup (B263021-BSD1)				Prepared & Analyzed: 07/30/20						
Mercury	0.00401	0.00010	mg/L	0.00400		100	80-120	0.576	20	
Batch B263032 - SW-846 3005A Dissolved										
Blank (B263032-BLK1)				Prepared: 07/30/20 Analyzed: 07/31/20						
Antimony	ND	1.0	µg/L							
Arsenic	ND	0.80	µg/L							
Barium	ND	10	µg/L							
Beryllium	ND	0.40	µg/L							
Cadmium	ND	0.20	µg/L							
Chromium	ND	1.0	µg/L							
Copper	ND	1.0	µg/L							
Lead	ND	0.50	µg/L							
Manganese	ND	1.0	µg/L							
Nickel	ND	5.0	µg/L							
Selenium	ND	5.0	µg/L							
Silver	ND	0.20	µg/L							
Thallium	ND	0.20	µg/L							
Vanadium	ND	5.0	µg/L							
Zinc	ND	10	µg/L							
LCS (B263032-BS1)				Prepared: 07/30/20 Analyzed: 07/31/20						
Antimony	494	10	µg/L	500		98.7	80-120			
Arsenic	507	8.0	µg/L	500		101	80-120			
Barium	501	100	µg/L	500		100	80-120			
Beryllium	504	4.0	µg/L	500		101	80-120			
Cadmium	482	2.0	µg/L	500		96.4	80-120			
Chromium	530	10	µg/L	500		106	80-120			
Copper	1010	10	µg/L	1000		101	80-120			
Lead	510	5.0	µg/L	500		102	80-120			
Manganese	495	10	µg/L	500		99.1	80-120			
Nickel	488	50	µg/L	500		97.6	80-120			
Selenium	510	50	µg/L	500		102	80-120			
Silver	483	2.0	µg/L	500		96.6	80-120			
Thallium	488	2.0	µg/L	500		97.6	80-120			
Vanadium	514	50	µg/L	500		103	80-120			
Zinc	1010	100	µg/L	1000		101	80-120			

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B263032 - SW-846 3005A Dissolved										
LCS Dup (B263032-BSD1)				Prepared: 07/30/20 Analyzed: 07/31/20						
Antimony	491	10	µg/L	500		98.3	80-120	0.457	20	
Arsenic	500	8.0	µg/L	500		99.9	80-120	1.46	20	
Barium	489	100	µg/L	500		97.8	80-120	2.50	20	
Beryllium	498	4.0	µg/L	500		99.7	80-120	1.22	20	
Cadmium	478	2.0	µg/L	500		95.6	80-120	0.843	20	
Chromium	510	10	µg/L	500		102	80-120	3.82	20	
Copper	1010	10	µg/L	1000		101	80-120	0.942	20	
Lead	496	5.0	µg/L	500		99.2	80-120	2.68	20	
Manganese	488	10	µg/L	500		97.5	80-120	1.59	20	
Nickel	484	50	µg/L	500		96.9	80-120	0.761	20	
Selenium	498	50	µg/L	500		99.5	80-120	2.44	20	
Silver	485	2.0	µg/L	500		97.0	80-120	0.432	20	
Thallium	475	2.0	µg/L	500		95.0	80-120	2.72	20	
Vanadium	524	50	µg/L	500		105	80-120	1.92	20	
Zinc	1010	100	µg/L	1000		101	80-120	0.638	20	
Batch B263033 - SW-846 3005A Dissolved										
Blank (B263033-BLK1)				Prepared: 07/30/20 Analyzed: 07/31/20						
Iron	ND	0.050	mg/L							
LCS (B263033-BS1)				Prepared: 07/30/20 Analyzed: 07/31/20						
Iron	4.21	0.050	mg/L	4.00		105	80-120			
LCS Dup (B263033-BSD1)				Prepared: 07/30/20 Analyzed: 07/31/20						
Iron	4.12	0.050	mg/L	4.00		103	80-120	2.22	20	

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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 B262995 - SM21-22 4500 H B										
LCS (B262995-BS1)				Prepared: 07/29/20 Analyzed: 07/28/20						
pH	6.00		pH Units	6.00		100	90-110			H-03
Duplicate (B262995-DUP1)	**Source: 20G1372-03**			Prepared: 07/29/20 Analyzed: 07/28/20						
pH	5.5		pH Units		5.5			1.04	5.46	H-03

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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.
H-03	Sample received after recommended holding time was exceeded.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-22 4500 H B in Drinking Water	
pH	CT,MA,RI
SW-846 6010D in Water	
Iron	CT,NH,NY,ME,VA,NC
Iron	CT,NH,NY,ME,NC,VA
SW-846 6020B in Water	
Antimony	CT,NH,NY,ME,VA,NC
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,NC,ME,VA
Arsenic	CT,NH,NY,ME,VA,NC
Barium	MA,NY,CT,NC,NH,ME,VA
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,NC,ME,VA
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,NC,ME,VA
Cadmium	CT,NH,NY,RI,ME,VA,NC
Chromium	CT,NH,NY,NC,ME,VA
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,NC,ME,VA
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,NC,ME,VA
Manganese	CT,NH,NY,NC,ME,VA
Manganese	CT,NH,NY,ME,VA,NC
Nickel	CT,NH,NY,NC,ME,VA
Nickel	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,NC,ME,VA
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Silver	CT,NC,NH,NY,ME,VA
Thallium	CT,NH,NY,NC,ME,VA
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,NC,ME,VA
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,NC,ME,VA
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
Mercury	CT,NH,NY,NC,ME,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2021
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2021
NY	New York State Department of Health	10899 NELAP	04/1/2021
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2021
RI	Rhode Island Department of Health	LAO00112	12/30/2020
NC	North Carolina Div. of Water Quality	652	12/31/2020
NJ	New Jersey DEP	MA007 NELAP	06/30/2021
FL	Florida Department of Health	E871027 NELAP	06/30/2021
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2021
ME	State of Maine	2011028	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2020
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2020
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2021
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2021

206372

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Doc # 381 Rev 2_06262019

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page __1__ of __1__

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

Company Name:	NSTAR/Eversource - Monthly Billing
Address:	247 Station Drive, Westwood, MA 02090
Phone:	781-441-3807
Project Name:	Hunts Brook Property
Project Location:	Montville, CT
Project Number:	14-0754-120
Project Manager:	Jonathan E. Reich
Con-Test Quote Name/Number:	Eversource PO#10948702
Invoice Recipient:	NSTAR/Eversource - Monthly Billing
Sampled By:	Ben Caswell

Requested Turnaround Time
7-Day ☑ 10-Day ☐
PFAS 10-Day (std) ☐ 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: LEWilley@tighebond.com
Fax To #:

Dissolved Metals Samples
● Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☐
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	Total CT DEEP RSR 15 Metals	Total Iron and Manganese	Dissolved CT DEEP RSR 15 Metals	Dissolved Iron and Manganese	pH								
												I, N	I, N	I, N	I, N	I								
1	MW-101R	7/29/20	9:55	Grab	GW				3			X	X	X	X	X								
2	MW-104R		10:45	Grab	GW				3			X	X	X	X	X								
3	MW-105R		11:40	Grab	GW				3			X	X	X	X	X								

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS
GLASS
PLASTIC 15
BACTERIA
ENCORE

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Contest is not responsible for missing samples from prepacked coolers

[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)

Relinquished by: (signature)	Date/Time: 7/29/20 9:30
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time: 7/29/20 1:00
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:
Dissolved metals were field filtered.
Con-Test PO:-PO#10948702
FWO (Eversource work order): HUNTBRK1
Company #: 11 Cost Center: 07D

Detection Limit Requirements
MA
CT GWPC (GA Area) and SWPC
Other:

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

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

NELAC and AIHA-LAP, LLC Accredited

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

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Comments:

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

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 NSTAR

Received By SA Date 7/29 Time 1900

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

Direct from Sampling _____ Ambient _____ Melted Ice _____

By Gun # 1 Actual Temp - 3.8

Were samples within Temperature? 2-6°C T 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? F Who was notified? _____

Are there Short Holds? T Who was notified? Maria

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 T 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	9	4oz Amb/Clear	
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 Energy - MA (Monthly Billing

Project Location: Montville, CT

Project Number: 20G1372

Laboratory Sample ID(s):
20G1372-01 thru 20G1372-03

Sample Date(s):
07/28/2020

List RCP Methods Used:
, , SW-846 6020B, SW-846 7470A

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:** **Technical Representative**

Printed Name: **Lisa A. Worthington** **Date:** **08/07/20**

Name of Laboratory: **Con-Test Analytical Laboratory**

This certification form is to be used for RCP methods only.

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November 16, 2020

Jonathan Reich
Eversource Energy - MA (Monthly Billing)
One NSTAR Way, SUM SE-250
Westwood, MA 02090-9230

Project Location: Mertville, CT
Client Job Number:
Project Number: 14-0754-120
Laboratory Work Order Number: 20K0264

Enclosed are results of analyses for samples received by the laboratory on November 5, 2020. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica L. Hoffman
Project Manager

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Eversource Energy - MA (Monthly Billing)
One NSTAR Way, SUM SE-250
Westwood, MA 02090-9230
ATTN: Jonathan Reich

REPORT DATE: 11/16/2020

PURCHASE ORDER NUMBER: 10948702

PROJECT NUMBER: 14-0754-120

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 20K0264

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

PROJECT LOCATION: Mertville, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-101R	20K0264-01	Ground Water		SM21-22 4500 H B	
				SW-846 6020B	
				SW-846 7470A	
MW-104R	20K0264-02	Ground Water		SM21-22 4500 H B	
				SW-846 6020B	
				SW-846 7470A	
MW-105R	20K0264-03	Ground Water		SM21-22 4500 H B	
				SW-846 6020B	
				SW-846 7470A	
SW-8	20K0264-04	Ground Water		SM21-22 4500 H B	
				SW-846 6020B	
				SW-846 7470A	
SW-9	20K0264-05	Ground Water		SM21-22 4500 H B	
				SW-846 6020B	
				SW-846 7470A	
SW-16	20K0264-06	Ground Water		SM21-22 4500 H B	
				SW-846 6020B	
				SW-846 7470A	

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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.

SM21-22 4500 H B

Qualifications:

H-05

Holding time was exceeded. pH analysis should be performed immediately at time of sampling. Nominal 15 minute holding time was exceeded.

Analyte & Samples(s) Qualified:

pH

20K0264-01[MW-101R], 20K0264-02[MW-104R], 20K0264-03[MW-105R], 20K0264-04[SW-8], 20K0264-05[SW-9], 20K0264-06[SW-16], B270365-DUP1

SW-846 6020B

Qualifications:

DL-05

Sample required a dilution due to high internal standard recovery of the lesser diluted digestion, reporting limit is elevated.

Analyte & Samples(s) Qualified:

20K0264-01[MW-101R]

Barium

20K0264-03[MW-105R]

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
Technical Representative

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

Project Location: Mertville, CT
Sample Description:
Work Order: 20K0264

Date Received: 11/5/2020

Field Sample #: MW-101R
Sampled: 11/5/2020 12:20

Sample ID: 20K0264-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	11/9/20	11/12/20 10:24	QNW
Arsenic	61	0.80	µg/L	1		SW-846 6020B	11/9/20	11/12/20 10:24	QNW
Barium	ND	10	µg/L	1		SW-846 6020B	11/9/20	11/12/20 10:24	QNW
Beryllium	24	0.40	µg/L	1		SW-846 6020B	11/9/20	11/12/20 10:24	QNW
Cadmium	400	0.20	µg/L	1		SW-846 6020B	11/9/20	11/12/20 10:24	QNW
Chromium	57	1.0	µg/L	1		SW-846 6020B	11/9/20	11/12/20 10:24	QNW
Copper	15000	100	µg/L	100		SW-846 6020B	11/9/20	11/12/20 11:55	QNW
Iron	770000	5000	µg/L	100		SW-846 6020B	11/9/20	11/12/20 11:55	QNW
Lead	44	0.50	µg/L	1		SW-846 6020B	11/9/20	11/12/20 10:24	QNW
Manganese	2400	100	µg/L	100		SW-846 6020B	11/9/20	11/12/20 11:55	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/6/20	11/9/20 11:09	CJV
Nickel	1500	5.0	µg/L	1		SW-846 6020B	11/9/20	11/12/20 10:24	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	11/9/20	11/12/20 10:24	QNW
Silver	0.32	0.20	µg/L	1		SW-846 6020B	11/9/20	11/12/20 10:24	QNW
Thallium	48	0.20	µg/L	1		SW-846 6020B	11/9/20	11/12/20 10:24	QNW
Vanadium	240	5.0	µg/L	1		SW-846 6020B	11/9/20	11/12/20 10:24	QNW
Zinc	26000	1000	µg/L	100		SW-846 6020B	11/9/20	11/12/20 11:55	QNW

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Project Location: Mertville, CT
Sample Description:
Work Order: 20K0264

Date Received: 11/5/2020

Field Sample #: MW-101R
Sampled: 11/5/2020 12:20

Sample ID: 20K0264-01

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:42	QNW
Arsenic	74	8.0	µg/L	10		SW-846 6020B	11/9/20	11/10/20 13:40	QNW
Barium	16	10	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:42	QNW
Beryllium	24	0.40	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:42	QNW
Cadmium	440	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:42	QNW
Chromium	82	1.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:42	QNW
Copper	15000	100	µg/L	100		SW-846 6020B	11/9/20	11/10/20 13:37	QNW
Iron	800000	5000	µg/L	100		SW-846 6020B	11/9/20	11/10/20 13:37	QNW
Lead	42	0.50	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:42	QNW
Manganese	2400	100	µg/L	100		SW-846 6020B	11/9/20	11/10/20 13:37	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/6/20	11/9/20 14:16	CJV
Nickel	2500	500	µg/L	100		SW-846 6020B	11/9/20	11/10/20 13:37	QNW
Selenium	ND	50	µg/L	10		SW-846 6020B	11/9/20	11/10/20 13:40	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:42	QNW
Thallium	47	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:42	QNW
Vanadium	350	5.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:42	QNW
Zinc	26000	1000	µg/L	100		SW-846 6020B	11/9/20	11/10/20 13:37	QNW

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Project Location: Mertville, CT | Sample Description: | Work Order: 20K0264

Date Received: 11/5/2020

Field Sample #: MW-101R | Sampled: 11/5/2020 12:20

Sample ID: 20K0264-01

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
pH @13.8°C	3.1		pH Units	1	H-05	SM21-22 4500 H B	11/5/20	11/5/20 23:10	RAV

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

Project Location: Mertville, CT | Sample Description: | Work Order: 20K0264

Date Received: 11/5/2020

Field Sample #: MW-104R | Sampled: 11/5/2020 10:55

Sample ID: 20K0264-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	2.4	1.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:40	QNW
Arsenic	560	8.0	µg/L	10		SW-846 6020B	11/9/20	11/12/20 12:01	QNW
Barium	240	10	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:40	QNW
Beryllium	4.2	0.40	µg/L	1		SW-846 6020B	11/9/20	11/12/20 12:36	QNW
Cadmium	4.5	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:40	QNW
Chromium	13	1.0	µg/L	1		SW-846 6020B	11/9/20	11/12/20 12:36	QNW
Copper	150	1.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:40	QNW
Iron	310000	5000	µg/L	100		SW-846 6020B	11/9/20	11/12/20 9:48	QNW
Lead	29	0.50	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:40	QNW
Manganese	4900	100	µg/L	100		SW-846 6020B	11/9/20	11/12/20 9:48	QNW
Mercury	0.00014	0.00010	mg/L	1		SW-846 7470A	11/6/20	11/9/20 11:15	CJV
Nickel	180	5.0	µg/L	1		SW-846 6020B	11/9/20	11/12/20 12:36	QNW
Selenium	7.9	5.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:40	QNW
Silver	0.44	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:40	QNW
Thallium	25	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:40	QNW
Vanadium	43	5.0	µg/L	1		SW-846 6020B	11/9/20	11/12/20 12:36	QNW
Zinc	240	10	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:40	QNW

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

Project Location: Mertville, CT
Sample Description:
Work Order: 20K0264

Date Received: 11/5/2020

Field Sample #: MW-104R
Sampled: 11/5/2020 10:55

Sample ID: 20K0264-02

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:45	QNW
Arsenic	5.0	0.80	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:45	QNW
Barium	20	10	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:45	QNW
Beryllium	5.8	0.40	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:45	QNW
Cadmium	6.7	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:45	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:45	QNW
Copper	190	1.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:45	QNW
Iron	220000	5000	µg/L	100		SW-846 6020B	11/9/20	11/10/20 13:43	QNW
Lead	ND	0.50	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:45	QNW
Manganese	5500	100	µg/L	100		SW-846 6020B	11/9/20	11/10/20 13:43	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/6/20	11/9/20 14:17	CJV
Nickel	220	5.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:45	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:45	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:45	QNW
Thallium	24	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:45	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:45	QNW
Zinc	280	10	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:45	QNW

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

Project Location: Mertville, CT | Sample Description: | Work Order: 20K0264

Date Received: 11/5/2020

Field Sample #: MW-104R | Sampled: 11/5/2020 10:55

Sample ID: 20K0264-02

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
pH @13.7°C	3.5		pH Units	1	H-05	SM21-22 4500 H B	11/5/20	11/5/20 23:10	RAV

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

Project Location: Mertville, CT
Sample Description:
Work Order: 20K0264

Date Received: 11/5/2020

Field Sample #: MW-105R
Sampled: 11/5/2020 10:30

Sample ID: 20K0264-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:43	QNW
Arsenic	6.9	0.80	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:43	QNW
Barium	ND	10	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:43	QNW
Beryllium	29	0.40	µg/L	1		SW-846 6020B	11/9/20	11/12/20 12:42	QNW
Cadmium	25	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:43	QNW
Chromium	1.4	1.0	µg/L	1		SW-846 6020B	11/9/20	11/12/20 12:42	QNW
Copper	440	1.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:43	QNW
Iron	31000	5000	µg/L	100		SW-846 6020B	11/9/20	11/12/20 9:50	QNW
Lead	3.1	0.50	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:43	QNW
Manganese	710	100	µg/L	100		SW-846 6020B	11/9/20	11/12/20 9:50	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/6/20	11/9/20 11:17	CJV
Nickel	360	5.0	µg/L	1		SW-846 6020B	11/9/20	11/12/20 12:42	QNW
Selenium	5.2	5.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:43	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:43	QNW
Thallium	34	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:43	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	11/9/20	11/12/20 12:42	QNW
Zinc	680	10	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:43	QNW

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

Project Location: Mertville, CT
Sample Description:
Work Order: 20K0264

Date Received: 11/5/2020

Field Sample #: MW-105R
Sampled: 11/5/2020 10:30

Sample ID: 20K0264-03

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:48	QNW
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:48	QNW
Barium	ND	100	µg/L	10	DL-05	SW-846 6020B	11/9/20	11/10/20 13:49	QNW
Beryllium	32	0.40	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:48	QNW
Cadmium	30	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:48	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:48	QNW
Copper	400	1.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:48	QNW
Iron	17000	5000	µg/L	100		SW-846 6020B	11/9/20	11/10/20 13:46	QNW
Lead	2.2	0.50	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:48	QNW
Manganese	740	100	µg/L	100		SW-846 6020B	11/9/20	11/10/20 13:46	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/6/20	11/9/20 14:19	CJV
Nickel	400	5.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:48	QNW
Selenium	7.4	5.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:48	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:48	QNW
Thallium	30	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:48	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:48	QNW
Zinc	700	10	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:48	QNW

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

Project Location: Mertville, CT | Sample Description: | Work Order: 20K0264

Date Received: 11/5/2020

Field Sample #: MW-105R | Sampled: 11/5/2020 10:30

Sample ID: 20K0264-03

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
pH @12.9°C	4.0		pH Units	1	H-05	SM21-22 4500 H B	11/5/20	11/5/20 23:10	RAV

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

Project Location: Mertville, CT
Sample Description:
Work Order: 20K0264

Date Received: 11/5/2020

Field Sample #: SW-8
Sampled: 11/5/2020 12:45

Sample ID: 20K0264-04

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:46	QNW
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:46	QNW
Barium	19	10	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:46	QNW
Beryllium	ND	0.40	µg/L	1		SW-846 6020B	11/9/20	11/12/20 12:44	QNW
Cadmium	ND	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:46	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	11/9/20	11/12/20 12:44	QNW
Copper	2.1	1.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:46	QNW
Iron	340	50	µg/L	1		SW-846 6020B	11/9/20	11/12/20 12:44	QNW
Lead	ND	0.50	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:46	QNW
Manganese	270	1.0	µg/L	1		SW-846 6020B	11/9/20	11/12/20 12:44	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/6/20	11/9/20 11:18	CJV
Nickel	ND	5.0	µg/L	1		SW-846 6020B	11/9/20	11/12/20 12:44	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:46	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:46	QNW
Thallium	0.35	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:46	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	11/9/20	11/12/20 12:44	QNW
Zinc	38	10	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:46	QNW

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Project Location: Mertville, CT | Sample Description: | Work Order: 20K0264

Date Received: 11/5/2020

Field Sample #: SW-8 | Sampled: 11/5/2020 12:45

Sample ID: 20K0264-04

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:51	QNW
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:51	QNW
Barium	18	10	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:51	QNW
Beryllium	ND	0.40	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:51	QNW
Cadmium	ND	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:51	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:51	QNW
Copper	1.6	1.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:51	QNW
Iron	150	50	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:51	QNW
Lead	ND	0.50	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:51	QNW
Manganese	280	1.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:51	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/6/20	11/9/20 14:21	CJV
Nickel	ND	5.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:51	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:51	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:51	QNW
Thallium	0.40	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:51	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:51	QNW
Zinc	33	10	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:51	QNW

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

Project Location: Mertville, CT | Sample Description: | Work Order: 20K0264

Date Received: 11/5/2020

Field Sample #: SW-8 | Sampled: 11/5/2020 12:45

Sample ID: 20K0264-04

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
pH @13.4°C	5.3		pH Units	1	H-05	SM21-22 4500 H B	11/5/20	11/5/20 23:10	RAV

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

Project Location: Mertville, CT | Sample Description: | Work Order: 20K0264

Date Received: 11/5/2020

Field Sample #: SW-9 | Sampled: 11/5/2020 12:50

Sample ID: 20K0264-05

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:50	QNW
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:50	QNW
Barium	26	10	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:50	QNW
Beryllium	8.0	0.40	µg/L	1		SW-846 6020B	11/9/20	11/12/20 12:45	QNW
Cadmium	1.5	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:50	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	11/9/20	11/12/20 12:45	QNW
Copper	1.9	1.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:50	QNW
Iron	4400	500	µg/L	10		SW-846 6020B	11/9/20	11/12/20 9:53	QNW
Lead	ND	0.50	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:50	QNW
Manganese	540	10	µg/L	10		SW-846 6020B	11/9/20	11/12/20 9:53	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/6/20	11/9/20 11:20	CJV
Nickel	110	5.0	µg/L	1		SW-846 6020B	11/9/20	11/12/20 12:45	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:50	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:50	QNW
Thallium	7.1	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:50	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	11/9/20	11/12/20 12:45	QNW
Zinc	360	10	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:50	QNW

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

Project Location: Mertville, CT
Sample Description:
Work Order: 20K0264

Date Received: 11/5/2020

Field Sample #: SW-9
Sampled: 11/5/2020 12:50

Sample ID: 20K0264-05

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:54	QNW
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:54	QNW
Barium	25	10	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:54	QNW
Beryllium	8.4	0.40	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:54	QNW
Cadmium	1.7	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:54	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:54	QNW
Copper	2.4	1.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:54	QNW
Iron	9600	50	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:54	QNW
Lead	ND	0.50	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:54	QNW
Manganese	570	10	µg/L	10		SW-846 6020B	11/9/20	11/10/20 13:52	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/6/20	11/9/20 14:22	CJV
Nickel	120	5.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:54	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:54	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:54	QNW
Thallium	6.6	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:54	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:54	QNW
Zinc	360	10	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:54	QNW

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

Project Location: Mertville, CT | Sample Description: | Work Order: 20K0264

Date Received: 11/5/2020

Field Sample #: SW-9 | Sampled: 11/5/2020 12:50

Sample ID: 20K0264-05

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
pH @13.8°C	3.4		pH Units	1	H-05	SM21-22 4500 H B	11/5/20	11/5/20 23:10	RAV

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

Project Location: Mertville, CT | Sample Description: | Work Order: 20K0264

Date Received: 11/5/2020

Field Sample #: SW-16 | Sampled: 11/5/2020 13:00

Sample ID: 20K0264-06

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:53	QNW
Arsenic	1.3	0.80	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:53	QNW
Barium	54	10	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:53	QNW
Beryllium	0.72	0.40	µg/L	1		SW-846 6020B	11/9/20	11/12/20 12:47	QNW
Cadmium	0.66	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:53	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	11/9/20	11/12/20 12:47	QNW
Copper	4.8	1.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:53	QNW
Iron	19000	500	µg/L	10		SW-846 6020B	11/9/20	11/12/20 9:55	QNW
Lead	1.2	0.50	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:53	QNW
Manganese	360	10	µg/L	10		SW-846 6020B	11/9/20	11/12/20 9:55	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/6/20	11/9/20 11:22	CJV
Nickel	20	5.0	µg/L	1		SW-846 6020B	11/9/20	11/12/20 12:47	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:53	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:53	QNW
Thallium	1.3	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:53	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	11/9/20	11/12/20 12:47	QNW
Zinc	260	10	µg/L	1		SW-846 6020B	11/9/20	11/10/20 14:53	QNW

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

Project Location: Mertville, CT
Sample Description:
Work Order: 20K0264

Date Received: 11/5/2020

Field Sample #: SW-16
Sampled: 11/5/2020 13:00

Sample ID: 20K0264-06

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:56	QNW
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:56	QNW
Barium	35	10	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:56	QNW
Beryllium	0.47	0.40	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:56	QNW
Cadmium	0.52	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:56	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:56	QNW
Copper	4.0	1.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:56	QNW
Iron	6600	50	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:56	QNW
Lead	0.51	0.50	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:56	QNW
Manganese	290	1.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:56	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/6/20	11/9/20 14:24	CJV
Nickel	12	5.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:56	QNW
Selenium	ND	5.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:56	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:56	QNW
Thallium	0.86	0.20	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:56	QNW
Vanadium	ND	5.0	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:56	QNW
Zinc	190	10	µg/L	1		SW-846 6020B	11/9/20	11/10/20 10:56	QNW

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Project Location: Mertville, CT | Sample Description: | Work Order: 20K0264

Date Received: 11/5/2020

Field Sample #: SW-16 | Sampled: 11/5/2020 13:00

Sample ID: 20K0264-06

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
pH @13.9°C	3.4		pH Units	1	H-05	SM21-22 4500 H B	11/5/20	11/5/20 23:10	RAV

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Sample Extraction Data

SM21-22 4500 H B

Lab Number [Field ID]	Batch	Initial [mL]	Date
20K0264-01 [MW-101R]	B270365	50.0	11/05/20
20K0264-02 [MW-104R]	B270365	50.0	11/05/20
20K0264-03 [MW-105R]	B270365	50.0	11/05/20
20K0264-04 [SW-8]	B270365	50.0	11/05/20
20K0264-05 [SW-9]	B270365	50.0	11/05/20
20K0264-06 [SW-16]	B270365	50.0	11/05/20

Prep Method: SW-846 3005A Dissolved **Analytical Method: SW-846 6020B**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20K0264-01 [MW-101R]	B270496	50.0	50.0	11/09/20
20K0264-02 [MW-104R]	B270496	50.0	50.0	11/09/20
20K0264-03 [MW-105R]	B270496	50.0	50.0	11/09/20
20K0264-04 [SW-8]	B270496	50.0	50.0	11/09/20
20K0264-05 [SW-9]	B270496	50.0	50.0	11/09/20
20K0264-06 [SW-16]	B270496	50.0	50.0	11/09/20

Prep Method: SW-846 3005A **Analytical Method: SW-846 6020B**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20K0264-01 [MW-101R]	B270533	50.0	50.0	11/09/20
20K0264-02 [MW-104R]	B270533	50.0	50.0	11/09/20
20K0264-03 [MW-105R]	B270533	50.0	50.0	11/09/20
20K0264-04 [SW-8]	B270533	50.0	50.0	11/09/20
20K0264-05 [SW-9]	B270533	50.0	50.0	11/09/20
20K0264-06 [SW-16]	B270533	50.0	50.0	11/09/20

Prep Method: SW-846 7470A Dissolved **Analytical Method: SW-846 7470A**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20K0264-01 [MW-101R]	B270397	6.00	6.00	11/06/20
20K0264-02 [MW-104R]	B270397	6.00	6.00	11/06/20
20K0264-03 [MW-105R]	B270397	6.00	6.00	11/06/20
20K0264-04 [SW-8]	B270397	6.00	6.00	11/06/20
20K0264-05 [SW-9]	B270397	6.00	6.00	11/06/20
20K0264-06 [SW-16]	B270397	6.00	6.00	11/06/20

Prep Method: SW-846 7470A Prep **Analytical Method: SW-846 7470A**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20K0264-01 [MW-101R]	B270398	6.00	6.00	11/06/20
20K0264-02 [MW-104R]	B270398	6.00	6.00	11/06/20
20K0264-03 [MW-105R]	B270398	6.00	6.00	11/06/20
20K0264-04 [SW-8]	B270398	6.00	6.00	11/06/20
20K0264-05 [SW-9]	B270398	6.00	6.00	11/06/20
20K0264-06 [SW-16]	B270398	6.00	6.00	11/06/20

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B270398 - SW-846 7470A Prep										
Blank (B270398-BLK1)				Prepared: 11/06/20 Analyzed: 11/09/20						
Mercury	ND	0.00010	mg/L							
LCS (B270398-BS1)				Prepared: 11/06/20 Analyzed: 11/09/20						
Mercury	0.00411	0.00010	mg/L	0.00400		103	80-120			
LCS Dup (B270398-BSD1)				Prepared: 11/06/20 Analyzed: 11/09/20						
Mercury	0.00403	0.00010	mg/L	0.00400		101	80-120	2.15	20	
Batch B270533 - SW-846 3005A										
Blank (B270533-BLK1)				Prepared: 11/09/20 Analyzed: 11/10/20						
Antimony	ND	1.0	µg/L							
Arsenic	ND	0.80	µg/L							
Barium	ND	10	µg/L							
Beryllium	ND	0.40	µg/L							
Cadmium	ND	0.20	µg/L							
Chromium	ND	1.0	µg/L							
Copper	ND	1.0	µg/L							
Iron	ND	50	µg/L							
Lead	ND	0.50	µg/L							
Manganese	ND	1.0	µg/L							
Nickel	ND	5.0	µg/L							
Selenium	ND	5.0	µg/L							
Silver	ND	0.20	µg/L							
Thallium	ND	0.20	µg/L							
Vanadium	ND	5.0	µg/L							
Zinc	ND	10	µg/L							
LCS (B270533-BS1)				Prepared: 11/09/20 Analyzed: 11/10/20						
Antimony	441	10	µg/L	500		88.2	80-120			
Arsenic	434	8.0	µg/L	500		86.9	80-120			
Barium	478	100	µg/L	500		95.6	80-120			
Beryllium	536	4.0	µg/L	500		107	80-120			
Cadmium	490	2.0	µg/L	500		97.9	80-120			
Chromium	511	10	µg/L	500		102	80-120			
Copper	974	10	µg/L	1000		97.4	80-120			
Iron	4110	500	µg/L	4000		103	80-120			
Lead	498	5.0	µg/L	500		99.6	80-120			
Manganese	515	10	µg/L	500		103	80-120			
Nickel	477	50	µg/L	500		95.4	80-120			
Selenium	508	50	µg/L	500		102	80-120			
Silver	481	2.0	µg/L	500		96.2	80-120			
Thallium	466	2.0	µg/L	500		93.1	80-120			
Vanadium	522	50	µg/L	500		104	80-120			
Zinc	1010	100	µg/L	1000		101	80-120			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B270533 - SW-846 3005A										
LCS Dup (B270533-BSD1)				Prepared: 11/09/20 Analyzed: 11/10/20						
Antimony	441	10	µg/L	500		88.1	80-120	0.124	20	
Arsenic	442	8.0	µg/L	500		88.4	80-120	1.77	20	
Barium	468	100	µg/L	500		93.6	80-120	2.10	20	
Beryllium	526	4.0	µg/L	500		105	80-120	1.92	20	
Cadmium	480	2.0	µg/L	500		96.1	80-120	1.92	20	
Chromium	498	10	µg/L	500		99.6	80-120	2.48	20	
Copper	965	10	µg/L	1000		96.5	80-120	0.895	20	
Iron	4000	500	µg/L	4000		100	80-120	2.60	20	
Lead	493	5.0	µg/L	500		98.6	80-120	0.960	20	
Manganese	500	10	µg/L	500		99.9	80-120	3.02	20	
Nickel	472	50	µg/L	500		94.4	80-120	1.04	20	
Selenium	508	50	µg/L	500		102	80-120	0.0172	20	
Silver	471	2.0	µg/L	500		94.3	80-120	2.05	20	
Thallium	460	2.0	µg/L	500		92.0	80-120	1.19	20	
Vanadium	516	50	µg/L	500		103	80-120	1.20	20	
Zinc	1000	100	µg/L	1000		100	80-120	0.702	20	

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B270397 - SW-846 7470A Dissolved										
Blank (B270397-BLK1)				Prepared: 11/06/20 Analyzed: 11/09/20						
Mercury	ND	0.00010	mg/L							
LCS (B270397-BS1)				Prepared: 11/06/20 Analyzed: 11/09/20						
Mercury	0.00400	0.00010	mg/L	0.00400		100	80-120			
LCS Dup (B270397-BSD1)				Prepared: 11/06/20 Analyzed: 11/09/20						
Mercury	0.00401	0.00010	mg/L	0.00400		100	80-120	0.226	20	
Batch B270496 - SW-846 3005A Dissolved										
Blank (B270496-BLK1)				Prepared: 11/09/20 Analyzed: 11/10/20						
Antimony	ND	1.0	µg/L							
Arsenic	ND	0.80	µg/L							
Barium	ND	10	µg/L							
Beryllium	ND	0.40	µg/L							
Cadmium	ND	0.20	µg/L							
Chromium	ND	1.0	µg/L							
Copper	ND	1.0	µg/L							
Iron	ND	50	µg/L							
Lead	ND	0.50	µg/L							
Manganese	ND	1.0	µg/L							
Nickel	ND	5.0	µg/L							
Selenium	ND	5.0	µg/L							
Silver	ND	0.20	µg/L							
Thallium	ND	0.20	µg/L							
Vanadium	ND	5.0	µg/L							
Zinc	ND	10	µg/L							
LCS (B270496-BS1)				Prepared: 11/09/20 Analyzed: 11/10/20						
Antimony	475	10	µg/L	500		95.0	80-120			
Arsenic	503	8.0	µg/L	500		101	80-120			
Barium	468	100	µg/L	500		93.6	80-120			
Beryllium	502	4.0	µg/L	500		100	80-120			
Cadmium	483	2.0	µg/L	500		96.7	80-120			
Chromium	498	10	µg/L	500		99.6	80-120			
Copper	973	10	µg/L	1000		97.3	80-120			
Iron	3960	500	µg/L	4000		98.9	80-120			
Lead	479	5.0	µg/L	500		95.9	80-120			
Manganese	492	10	µg/L	500		98.3	80-120			
Nickel	475	50	µg/L	500		95.0	80-120			
Selenium	498	50	µg/L	500		99.7	80-120			
Silver	484	2.0	µg/L	500		96.9	80-120			
Thallium	452	2.0	µg/L	500		90.4	80-120			
Vanadium	516	50	µg/L	500		103	80-120			
Zinc	997	100	µg/L	1000		99.7	80-120			

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B270496 - SW-846 3005A Dissolved										
LCS Dup (B270496-BSD1)				Prepared: 11/09/20 Analyzed: 11/10/20						
Antimony	463	10	µg/L	500		92.6	80-120	2.56	20	
Arsenic	498	8.0	µg/L	500		99.5	80-120	1.07	20	
Barium	466	100	µg/L	500		93.2	80-120	0.498	20	
Beryllium	498	4.0	µg/L	500		99.6	80-120	0.685	20	
Cadmium	480	2.0	µg/L	500		96.0	80-120	0.746	20	
Chromium	491	10	µg/L	500		98.2	80-120	1.40	20	
Copper	963	10	µg/L	1000		96.3	80-120	1.00	20	
Iron	3920	500	µg/L	4000		98.1	80-120	0.874	20	
Lead	477	5.0	µg/L	500		95.3	80-120	0.562	20	
Manganese	486	10	µg/L	500		97.2	80-120	1.20	20	
Nickel	473	50	µg/L	500		94.7	80-120	0.409	20	
Selenium	499	50	µg/L	500		99.9	80-120	0.195	20	
Silver	475	2.0	µg/L	500		95.0	80-120	1.93	20	
Thallium	449	2.0	µg/L	500		89.9	80-120	0.582	20	
Vanadium	503	50	µg/L	500		101	80-120	2.53	20	
Zinc	989	100	µg/L	1000		98.9	80-120	0.808	20	

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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 B270365 - SM21-22 4500 H B										
LCS (B270365-BS1)				Prepared & Analyzed: 11/05/20						
pH	5.99		pH Units	6.00		99.8	90-110			
Duplicate (B270365-DUP1)	**Source: 20K0264-06**			Prepared & Analyzed: 11/05/20						
pH	3.5		pH Units		3.4			0.636	5.46	H-05



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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.
DL-05	Sample required a dilution due to high internal standard recovery of the lesser diluted digestion, reporting limit is elevated.
H-05	Holding time was exceeded. pH analysis should be performed immediately at time of sampling. Nominal 15 minute holding time was exceeded.



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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-22 4500 H B in Water	
pH	CT,MA,RI
SW-846 6020B in Water	
Antimony	CT,NH,NY,ME,VA,NC
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,NC,ME,VA
Arsenic	CT,NH,NY,ME,VA,NC
Barium	MA,NY,CT,NC,NH,ME,VA
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,NC,ME,VA
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,NC,ME,VA
Cadmium	CT,NH,NY,RI,ME,VA,NC
Chromium	CT,NH,NY,NC,ME,VA
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,NC,ME,VA
Copper	CT,NH,NY,ME,VA,NC
Iron	NC
Iron	NC
Lead	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,NC,ME,VA
Manganese	CT,NH,NY,NC,ME,VA
Manganese	CT,NH,NY,ME,VA,NC
Nickel	CT,NH,NY,NC,ME,VA
Nickel	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,NC,ME,VA
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Silver	CT,NC,NH,NY,ME,VA
Thallium	CT,NH,NY,NC,ME,VA
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,NC,ME,VA
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,NC,ME,VA
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
Mercury	CT,NH,NY,NC,ME,VA



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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2021
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2021
NY	New York State Department of Health	10899 NELAP	04/1/2021
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2021
RI	Rhode Island Department of Health	LAO00112	12/30/2020
NC	North Carolina Div. of Water Quality	652	12/31/2020
NJ	New Jersey DEP	MA007 NELAP	06/30/2021
FL	Florida Department of Health	E871027 NELAP	06/30/2021
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2021
ME	State of Maine	2011028	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2020
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2021
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2021
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2021
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

20K0264

con-test ANALYTICAL LABORATORY

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CHAIN OF CUSTODY RECORD

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East Longmeadow, MA 01028

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Page 1 of 1

Company Name: NSTAR/ Eversource - monthly Billing
Address: 247 Station Drive Westwood, MA 02090
Phone: 781-441-3807
Project Name: Humps Brook Property
Project Location: Merrimac, MA
Project Number: 14-0754120
Project Manager: Jonathan E. Reich
Con-Test Quote Name/Number: Eversource PO# 1049470
Invoice Recipient: NSTAR/ Eversource - monthly Billing
Sampled By: Ben Caswell

Requested Turnaround Time: 7-Day [X] 10-Day [ ] PFAS 10-Day (std) [ ] Due Date:
Next Day Approval Required: 1-Day [ ] 3-Day [ ] 2-Day [ ] 4-Day [ ]
Data Deliverables: Format: PDF [X] EXCEL [X] Other: CLP Like Data Pkg Required: [ ] Email To: LEwilley@TideTech.com Fax To #:
Dissolved Samples Filtered: Field Filtered [X] Lab to Filter [ ]
Particulate Samples Filtered: Field Filtered [ ] Lab to Filter [ ]

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	Total RSR metals	Total Iron + Manganese	Dissolved RSR metals	Dissolved Iron + Mn	pH
1	MW-101R	11/5/20	12:30	Grab	GW	L			3			X	X	X	X	X
2	MW-104R	11/5/20	10:55	Grab	GW	L			3			X	X	X	X	X
3	MW-105R	11/5/20	10:30	Grab	GW	L			3			X	X	X	X	X
4	SW-9	11/5/20	12:45	Grab	SW	L										
5	SW-9	11/5/20	12:50	Grab	SW	L										
6	SW-16	11/5/20	13:00	Grab	SW	L										

Relinquished by: (signature) Date/Time: 11/5/20 1757
Received by: (signature) Date/Time: 11/5/20 1757
Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:
Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:
Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:

Client Comments: Dissolved metals were Field Filtered
Contest PO # 1049470
EWO: HUMPBRK1
Company #11 Cost Center: 070

Reporting Limits Requirements: MA [ ] GW-2 GW-3 SW-2 [ ] Other [ ]
Special Requirements: MA MCP Required [ ] MCP Certification Form Required [ ] CT RCP Required [X] RCP Certification Form Required [ ] Is State Pw Required [ ] PWSID #
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
NELAC and AIHA-LAP, LLC Accredited

Project Entity: Government [ ] Federal [ ] City [ ] Municipality [ ] 21 J [ ] Brownfield [ ] MWRA [ ] School [ ] MBTA [ ] WRTA [ ]

Other: Chromatogram [ ] AIHA-LAP,LLC

PCB ONLY: Soxhlet [ ] Non Soxhlet [ ]

Lab Comments:

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

[2] Preservation Code

Contest Use Only

Total Number Of:

VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N

Glassware in freezer? Y / N

Prepackaged Cooler? Y / N

*Contest is not responsible for missing samples from prepacked coolers

[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)

The Connecticut Light and Power Company
d/b/a Eversource Energy
Docket No. 26-05-10
Date Issued September 29, 2026
RSR-032 Attachment 45
Page 235 of 373

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 NSTAR

Received By [illegible] Date 11/5/20 Time 1757

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 - 2.5
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? F Who was notified? _____
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 T 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	18	4oz Amb/Clear	
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 Energy - MA (Monthly Billing

Project Location: Mertville, CT

Project Number: 20K0264

Laboratory Sample ID(s):
20K0264-01 thru 20K0264-06

Sample Date(s):
11/05/2020

List RCP Methods Used:
, , SW-846 6020B, SW-846 7470A

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:** Technical Representative

Printed Name: Lisa A. Worthington **Date:** 11/16/20

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

PHOENIX
Environmental Laboratories, Inc.

Tuesday, November 10, 2020

Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Project ID: **HUNTS BROOK PROPERTY**
SDG ID: **GCH10251**
Sample ID#s: CH10251 - CH10258

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Sample Id Cross Reference

November 10, 2020

SDG I.D.: GCH10251

Project ID: HUNTS BROOK PROPERTY

Client Id	Lab Id	Matrix
HA-16 (1-2`)	CH10251	SOIL
HA-17 (1-2`)	CH10252	SOIL
HA-18 (1-2`)	CH10253	SOIL
HA-21 (1-2`)	CH10254	SOIL
HA-19 (1-2`)	CH10255	SOIL
HA-20 (1-2`)	CH10256	SOIL
HA-22 (1-2`)	CH10257	SOIL
HA-23 (1-2`)	CH10258	SOIL

Environmental Laboratories, Inc.
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Analysis Report

November 10, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		11/05/20	12:45
Location Code:	TIGHE-EVER	Received by:	SW	11/05/20	17:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCH10251
Phoenix ID: CH10251

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-16 (1-2`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	250	9.0	mg/Kg	10	11/06/20	TH	SW6010D
Percent Solid	79		%		11/05/20	CAJ	SW846-%Solid
Total Metals Digest	Completed				11/05/20	B/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
November 10, 2020
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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 10, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		11/05/20	12:55
Location Code:	TIGHE-EVER	Received by:	SW	11/05/20	17:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCH10251
Phoenix ID: CH10252

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-17 (1-2`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	64.2	0.74	mg/Kg	1	11/06/20	TH	SW6010D
Percent Solid	80		%		11/05/20	CAJ	SW846-%Solid
Total Metals Digest	Completed				11/05/20	B/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
November 10, 2020
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 10, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		11/05/20	13:10
Location Code:	TIGHE-EVER	Received by:	SW	11/05/20	17:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCH10251
Phoenix ID: CH10253

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-18 (1-2`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	50.1	0.82	mg/Kg	1	11/06/20	TH	SW6010D
Percent Solid	81		%		11/05/20	CAJ	SW846-%Solid
Total Metals Digest	Completed				11/05/20	B/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
November 10, 2020
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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 10, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		11/05/20	14:45
Location Code:	TIGHE-EVER	Received by:	SW	11/05/20	17:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCH10251
Phoenix ID: CH10254

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-21 (1-2`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	273	8.9	mg/Kg	10	11/07/20	CPP	SW6010D
Percent Solid	76		%		11/05/20	CAJ	SW846-%Solid
Total Metals Digest	Completed				11/05/20	B/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
November 10, 2020
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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 10, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		11/05/20	14:50
Location Code:	TIGHE-EVER	Received by:	SW	11/05/20	17:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCH10251
Phoenix ID: CH10255

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-19 (1-2`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	116	0.77	mg/Kg	1	11/06/20	TH	SW6010D
Percent Solid	80		%		11/05/20	CAJ	SW846-%Solid
Total Metals Digest	Completed				11/05/20	B/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
November 10, 2020
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 10, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		11/05/20	15:00
Location Code:	TIGHE-EVER	Received by:	SW	11/05/20	17:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCH10251
Phoenix ID: CH10256

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-20 (1-2`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	423	8.9	mg/Kg	10	11/07/20	CPP	SW6010D
Percent Solid	75		%		11/05/20	CAJ	SW846-%Solid
Total Metals Digest	Completed				11/05/20	B/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
November 10, 2020
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 10, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		11/05/20	15:05
Location Code:	TIGHE-EVER	Received by:	SW	11/05/20	17:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCH10251
Phoenix ID: CH10257

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-22 (1-2`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	46.6	0.88	mg/Kg	1	11/06/20	TH	SW6010D
Percent Solid	76		%		11/05/20	CAJ	SW846-%Solid
Total Metals Digest	Completed				11/05/20	B/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
November 10, 2020
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 10, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		11/05/20	15:15
Location Code:	TIGHE-EVER	Received by:	SW	11/05/20	17:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCH10251
Phoenix ID: CH10258

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-23 (1-2`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	147	0.90	mg/Kg	1	11/06/20	TH	SW6010D
Percent Solid	72		%		11/05/20	CAJ	SW846-%Solid
Total Metals Digest	Completed				11/05/20	B/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
November 10, 2020
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

November 10, 2020

QA/QC Data

SDG I.D.: GCH10251

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 552348 (mg/kg), QC Sample No: CH10251 (CH10251, CH10252, CH10253, CH10254, CH10255, CH10256, CH10257, CH10258)													
ICP Metals - Soil													
Arsenic	BRL	0.67	250	237	5.30	111	104	6.5	79.1			75 - 125	35

Comment:

Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
November 10, 2020

Tuesday, November 10, 2020

Criteria: CT: GAM, I/C, RC

State: CT

Sample Criteria Exceedances Report

GCH10251 - TIGHE-EVER

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CH10251	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	250	9.0	10	10	mg/Kg
CH10251	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	250	9.0	10	10	mg/Kg
CH10252	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	64.2	0.74	10	10	mg/Kg
CH10252	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	64.2	0.74	10	10	mg/Kg
CH10253	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	50.1	0.82	10	10	mg/Kg
CH10253	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	50.1	0.82	10	10	mg/Kg
CH10254	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	273	8.9	10	10	mg/Kg
CH10254	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	273	8.9	10	10	mg/Kg
CH10255	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	116	0.77	10	10	mg/Kg
CH10255	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	116	0.77	10	10	mg/Kg
CH10256	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	423	8.9	10	10	mg/Kg
CH10256	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	423	8.9	10	10	mg/Kg
CH10257	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	46.6	0.88	10	10	mg/Kg
CH10257	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	46.6	0.88	10	10	mg/Kg
CH10258	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	147	0.90	10	10	mg/Kg
CH10258	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	147	0.90	10	10	mg/Kg

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.

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Phoenix Environmental Labs, Inc. ***Client:*** Tighe & Bond

Project Location: HUNTS BROOK PROPERTY ***Project Number:***

Laboratory Sample ID(s): CH10251-CH10258 ***Sampling Date(s):*** 11/5/2020

List RCP Methods Used (e.g., 8260, 8270, et cetera) 6010

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 CT DEP 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 or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)**	☐ Yes ☐ No ☑ NA
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 ☐ NA
4	**Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?**	☑ Yes ☐ No
5	**a) Were reporting limits specified or referenced on the chain-of-custody?** **b) Were these reporting limits met?**	☑ Yes ☐ No ☑ 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 the 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.

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: Phyllis Shiller **Position:** Laboratory Director

Printed Name: Phyllis Shiller **Date:** Tuesday, November 10, 2020

Name of Laboratory Phoenix Environmental Labs, Inc.

This certification form is to be used for RCP methods only.

CTDEP RCP Laboratory Analysis QA/QC Certification Form - November 2007
Laboratory Quality Assurance and Quality Control Guidance Reasonable Confidence Protocols

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

November 10, 2020

SDG I.D.: GCH10251

SDG Comments

Metals Analysis:
The client requested a site specific list of elements which is shorter than the 6010 RCP list.
The following analytes from the 6010 RCP Metals list were not reported: Antimony, Barium, Beryllium, Cadmium, Chromium, Copper, Lead, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc.

ICP Metals Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Instrument:

ARCOS-2 11/06/20 11:06 Tina Hall, Chemist 11/06/20

CH10251, CH10252, CH10253, CH10255, CH10257, CH10258

The linear range is defined daily by the calibration range.
The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.
The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.
The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

ARCOS-2 11/07/20 11:05 Cindy Pearce, Chemist 11/07/20

CH10254, CH10256

The linear range is defined daily by the calibration range.
The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.
The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.
The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

QC (Site Specific):

Batch 552348 (CH10251)

CH10251, CH10252, CH10253, CH10254, CH10255, CH10256, CH10257, CH10258

All LCS recoveries were within 75 - 125 with the following exceptions: None.
All LCSD recoveries were within 75 - 125 with the following exceptions: None.
All LCS/LCSD RPDs were less than 35% with the following exceptions: None.
All MS recoveries were within 75 - 125 with the following exceptions: None.
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

Temperature Narration

The samples were received at 1.4C with cooling initiated.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes ☒ No ☐
Coolant: IPK ☐ 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 1.4 °C Pg 1 of 1

Data Delivery/Contact Options:
☐ Fax:
☐ Phone: Jonathan.Reich@eversource.com
☒ Email: lewiley@tighebond.com

Customer: Tighe + Bond
Address: 213 Court St Suite 1100
Middletown CT 06457

Project: Hunts Brook Property
Report to: Lynn Wiley + Jonathan Reich
Invoice to: NSTAR/ Eversource - monthly Billing
QUOTE # Eversource PO # 10945702

Project P.O: 14-8754-120

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 11/5/20

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 **X** = _____(Other)

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Total Arsenic	MS/MSD*	GL Amber 8 oz. w/H3PO4	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (4) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCL	GL Amber 1000ml [ ] 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
10251	HA-16 (1-2')	S	11/5/20	12:45	X				1									
10252	HA-17 (1-2')			12:55	X				1									
10253	HA-18 (1-2')			13:10	X				1									
10254	HA-21 (1-2')			14:[illegible]	X				1									
10255	HA-19 (1-2')			14:50	X				1									
10256	HA-20 (1-2')			15:00	X				1									
10257	HA-22 (1-2')			15:05	X				1									
10258	HA-23 (1-2')	—	—	15:15	X				1									

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	11/5/20	1715

Comments, Special Requirements or Regulations:

Turnaround Time:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

*MS/MSD are considered site samples and will be billed as such in accordance with the prices quoted.

RI
☐ (Residential) Direct Exposure
☐ (Comm/Industrial) Direct Exposure
☐ GA Leachability
☐ GB Leachability
☐ GA-GW Objectives
☐ GB-GW Objectives

CT
☒ RCP Cert
☐ GW Protection
☐ SW Protection
☒ GA Mobility
☐ GB Mobility
☒ Residential DEC
☒ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1 ☐ MWRA eSMART
☐ GW-2 ☐ S-1 10% CALC
☐ GW-3
☐ S-1 GW-1 ☐ S-1 GW-2 ☐ S-1 GW-3
☐ S-2 GW-1 ☐ S-2 GW-2 ☐ S-2 GW-3
☐ S-3 GW-1 ☐ S-3 GW-2 ☐ S-3 GW-3
☐ SW Protection

State where samples were collected: CT

Data Format
☒ Excel
☒ PDF
☐ GIS/Key
☐ EQuIS
☒ Other Email results

Data Package
☐ Tier II Checklist
☐ Full Data Package*
☒ Phoenix Std Report
☐ Other
* SURCHARGE APPLIES

PEL-126 REV. 06/20

The Connecticut Light and Power Company
d/b/a Eversource Energy
Docket No. 26-05-10
Date Issued September 29, 2026
RSR-032 Attachment 45
Page 252 of 373

PHOENIX
Environmental Laboratories, Inc.

Tuesday, April 27, 2021

Attn: Ben Caswell
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Project ID: **HUNTS BROOK PROPERTY**
SDG ID: **GCI14470**
Sample ID#s: CI14470 - CI14486

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Sample Id Cross Reference

April 27, 2021

SDG I.D.: GCI14470

Project ID: HUNTS BROOK PROPERTY

Client Id	Lab Id	Matrix
HA-24 (0-1 FT)	CI14470	SOIL
HA-24 (1-2 FT)	CI14471	SOIL
HA-25 (0-1 FT)	CI14472	SOIL
HA-25 (1-2 FT)	CI14473	SOIL
HA-26 (0-1 FT)	CI14474	SOIL
HA-26 (1-2 FT)	CI14475	SOIL
HA-27 (0-1 FT)	CI14476	SOIL
HA-27 (1-2 FT)	CI14477	SOIL
HA-28 (0-1 FT)	CI14478	SOIL
HA-28 (1-2 FT)	CI14479	SOIL
HA-29 (0-1 FT)	CI14480	SOIL
HA-29 (1-2 FT)	CI14481	SOIL
HA-30 (0-1 FT)	CI14482	SOIL
HA-30 (1-2 FT)	CI14483	SOIL
HA-31 (0-1 FT)	CI14484	SOIL
HA-31 (1-2 FT)	CI14485	SOIL
HA-DUP-4-22-21	CI14486	SOIL

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 27, 2021

FOR: Attn: Ben Caswell
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/22/21	9:20
Location Code:	TIGHE	Received by:	CP	04/23/21	10:53
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	14-0754-120				

Laboratory Data

SDG ID: GCI14470
Phoenix ID: CI14470

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-24 (0-1 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	14.4	0.84	mg/Kg	1	04/27/21	EK	SW6010D
Percent Solid	78		%		04/23/21	AN	SW846-%Solid
Total Metals Digest	Completed				04/23/21	J/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 27, 2021
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 27, 2021

FOR: Attn: Ben Caswell
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/22/21	9:25
Location Code:	TIGHE	Received by:	CP	04/23/21	10:53
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	14-0754-120				

Laboratory Data

SDG ID: GCI14470
Phoenix ID: CI14471

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-24 (1-2 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	70.7	0.89	mg/Kg	1	04/27/21	EK	SW6010D
Percent Solid	80		%		04/23/21	AN	SW846-%Solid
Total Metals Digest	Completed				04/23/21	J/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
April 27, 2021
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 27, 2021

FOR: Attn: Ben Caswell
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/22/21	9:30
Location Code:	TIGHE	Received by:	CP	04/23/21	10:53
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	14-0754-120				

Laboratory Data

SDG ID: GCI14470
Phoenix ID: CI14472

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-25 (0-1 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	22.8	0.77	mg/Kg	1	04/27/21	EK	SW6010D
Percent Solid	80		%		04/23/21	AN	SW846-%Solid
Total Metals Digest	Completed				04/23/21	J/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
April 27, 2021
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 27, 2021

FOR: Attn: Ben Caswell
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/22/21	9:35
Location Code:	TIGHE	Received by:	CP	04/23/21	10:53
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	14-0754-120				

Laboratory Data

SDG ID: GCI14470
Phoenix ID: CI14473

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-25 (1-2 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	44.8	0.83	mg/Kg	1	04/27/21	EK	SW6010D
Percent Solid	77		%		04/23/21	AN	SW846-%Solid
Total Metals Digest	Completed				04/23/21	J/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
April 27, 2021
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 27, 2021

FOR: Attn: Ben Caswell
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/22/21	9:40
Location Code:	TIGHE	Received by:	CP	04/23/21	10:53
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	14-0754-120				

Laboratory Data

SDG ID: GCI14470
Phoenix ID: CI14474

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-26 (0-1 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	43.2	0.87	mg/Kg	1	04/27/21	EK	SW6010D
Percent Solid	79		%		04/23/21	AN	SW846-%Solid
Total Metals Digest	Completed				04/23/21	J/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
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Phyllis Shiller, Laboratory Director
April 27, 2021
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 27, 2021

FOR: Attn: Ben Caswell
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/22/21	9:45
Location Code:	TIGHE	Received by:	CP	04/23/21	10:53
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	14-0754-120				

Laboratory Data

SDG ID: GCI14470
Phoenix ID: CI14475

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-26 (1-2 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	33.2	0.88	mg/Kg	1	04/27/21	EK	SW6010D
Percent Solid	77		%		04/23/21	AN	SW846-%Solid
Total Metals Digest	Completed				04/23/21	J/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
April 27, 2021
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 27, 2021

FOR: Attn: Ben Caswell
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/22/21	10:50
Location Code:	TIGHE	Received by:	CP	04/23/21	10:53
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	14-0754-120				

Laboratory Data

SDG ID: GCI14470
Phoenix ID: CI14476

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-27 (0-1 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	25.1	0.85	mg/Kg	1	04/27/21	EK	SW6010D
Percent Solid	77		%		04/23/21	AN	SW846-%Solid
Total Metals Digest	Completed				04/23/21	J/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
April 27, 2021
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 27, 2021

FOR: Attn: Ben Caswell
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/22/21	10:55
Location Code:	TIGHE	Received by:	CP	04/23/21	10:53
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	14-0754-120				

Laboratory Data

SDG ID: GCI14470
Phoenix ID: CI14477

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-27 (1-2 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	41.7	0.85	mg/Kg	1	04/27/21	EK	SW6010D
Percent Solid	77		%		04/23/21	AN	SW846-%Solid
Total Metals Digest	Completed				04/23/21	J/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
April 27, 2021
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 27, 2021

FOR: Attn: Ben Caswell
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/22/21	11:00
Location Code:	TIGHE	Received by:	CP	04/23/21	10:53
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	14-0754-120				

Laboratory Data

SDG ID: GCI14470
Phoenix ID: CI14478

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-28 (0-1 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	14.0	0.85	mg/Kg	1	04/27/21	EK	SW6010D
Percent Solid	75		%		04/23/21	AN	SW846-%Solid
Total Metals Digest	Completed				04/23/21	J/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
April 27, 2021
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 27, 2021

FOR: Attn: Ben Caswell
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/22/21	11:05
Location Code:	TIGHE	Received by:	CP	04/23/21	10:53
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	14-0754-120				

Laboratory Data

SDG ID: GCI14470
Phoenix ID: CI14479

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-28 (1-2 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	63.6	0.89	mg/Kg	1	04/27/21	EK	SW6010D
Percent Solid	72		%		04/23/21	AN	SW846-%Solid
Total Metals Digest	Completed				04/23/21	J/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

April 27, 2021

FOR: Attn: Ben Caswell
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/22/21	11:10
Location Code:	TIGHE	Received by:	CP	04/23/21	10:53
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	14-0754-120				

Laboratory Data

SDG ID: GCI14470
Phoenix ID: CI14480

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-29 (0-1 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	14.8	0.88	mg/Kg	1	04/27/21	EK	SW6010D
Percent Solid	80		%		04/23/21	AN	SW846-%Solid
Total Metals Digest	Completed				04/23/21	J/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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April 27, 2021
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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 27, 2021

FOR: Attn: Ben Caswell
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/22/21	11:15
Location Code:	TIGHE	Received by:	CP	04/23/21	10:53
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	14-0754-120				

Laboratory Data

SDG ID: GCI14470
Phoenix ID: CI14481

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-29 (1-2 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	61.5	0.94	mg/Kg	1	04/27/21	EK	SW6010D
Percent Solid	75		%		04/23/21	AN	SW846-%Solid
Total Metals Digest	Completed				04/23/21	J/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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April 27, 2021
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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Analysis Report

April 27, 2021

FOR: Attn: Ben Caswell
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/22/21	11:20
Location Code:	TIGHE	Received by:	CP	04/23/21	10:53
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	14-0754-120				

Laboratory Data

SDG ID: GCI14470
Phoenix ID: CI14482

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-30 (0-1 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	14.6	0.88	mg/Kg	1	04/27/21	EK	SW6010D
Percent Solid	77		%		04/23/21	AN	SW846-%Solid
Total Metals Digest	Completed				04/23/21	J/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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April 27, 2021
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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Analysis Report

April 27, 2021

FOR: Attn: Ben Caswell
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/22/21	11:25
Location Code:	TIGHE	Received by:	CP	04/23/21	10:53
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	14-0754-120				

Laboratory Data

SDG ID: GCI14470
Phoenix ID: CI14483

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-30 (1-2 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	36.6	0.82	mg/Kg	1	04/27/21	EK	SW6010D
Percent Solid	75		%		04/23/21	AN	SW846-%Solid
Total Metals Digest	Completed				04/23/21	J/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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April 27, 2021
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Analysis Report

April 27, 2021

FOR: Attn: Ben Caswell
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/22/21	11:30
Location Code:	TIGHE	Received by:	CP	04/23/21	10:53
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	14-0754-120				

Laboratory Data

SDG ID: GCI14470
Phoenix ID: CI14484

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-31 (0-1 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	23.8	0.89	mg/Kg	1	04/27/21	EK	SW6010D
Percent Solid	74		%		04/23/21	AN	SW846-%Solid
Total Metals Digest	Completed				04/23/21	J/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
April 27, 2021
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 27, 2021

FOR: Attn: Ben Caswell
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/22/21	11:35
Location Code:	TIGHE	Received by:	CP	04/23/21	10:53
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	14-0754-120				

Laboratory Data

SDG ID: GCI14470
Phoenix ID: CI14485

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-31 (1-2 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	34.1	0.88	mg/Kg	1	04/27/21	EK	SW6010D
Percent Solid	75		%		04/23/21	AN	SW846-%Solid
Total Metals Digest	Completed				04/23/21	J/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
April 27, 2021
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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Analysis Report

April 27, 2021

FOR: Attn: Ben Caswell
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/22/21	9:46
Location Code:	TIGHE	Received by:	CP	04/23/21	10:53
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	14-0754-120				

Laboratory Data

SDG ID: GCI14470
Phoenix ID: CI14486

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-DUP-4-22-21

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	43.0	0.81	mg/Kg	1	04/27/21	EK	SW6010D
Percent Solid	78		%		04/23/21	AN	SW846-%Solid
Total Metals Digest	Completed				04/23/21	J/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
April 27, 2021
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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QA/QC Report

April 27, 2021

QA/QC Data

SDG I.D.: GCI14470

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 572386 (mg/kg), QC Sample No: CI14470 (CI14470, CI14471, CI14472, CI14473, CI14474, CI14475, CI14476, CI14477, CI14478, CI14479, CI14480)														
ICP Metals - Soil														
Arsenic	BRL	0.67	14.4	7.96	57.6	90.4	98.8	8.9	88.0			75 - 125	35	r
Comment:														
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.														
QA/QC Batch 572387 (mg/kg), QC Sample No: CI14481 (CI14481, CI14482, CI14483, CI14484, CI14485, CI14486)														
ICP Metals - Soil														
Arsenic	BRL	0.67	61.5	95.7	43.5	96.5	96.7	0.2	95.1			75 - 125	35	r
Comment:														
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.														

r = This parameter is outside laboratory RPD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
April 27, 2021

Tuesday, April 27, 2021

Criteria: CT: GAM, I/C, RC

State: CT

Sample Criteria Exceedances Report

GCI14470 - TIGHE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CI14470	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	14.4	0.84	10	10	mg/Kg
CI14470	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	14.4	0.84	10	10	mg/Kg
CI14471	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	70.7	0.89	10	10	mg/Kg
CI14471	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	70.7	0.89	10	10	mg/Kg
CI14472	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	22.8	0.77	10	10	mg/Kg
CI14472	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	22.8	0.77	10	10	mg/Kg
CI14473	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	44.8	0.83	10	10	mg/Kg
CI14473	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	44.8	0.83	10	10	mg/Kg
CI14474	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	43.2	0.87	10	10	mg/Kg
CI14474	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	43.2	0.87	10	10	mg/Kg
CI14475	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	33.2	0.88	10	10	mg/Kg
CI14475	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	33.2	0.88	10	10	mg/Kg
CI14476	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	25.1	0.85	10	10	mg/Kg
CI14476	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	25.1	0.85	10	10	mg/Kg
CI14477	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	41.7	0.85	10	10	mg/Kg
CI14477	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	41.7	0.85	10	10	mg/Kg
CI14478	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	14.0	0.85	10	10	mg/Kg
CI14478	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	14.0	0.85	10	10	mg/Kg
CI14479	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	63.6	0.89	10	10	mg/Kg
CI14479	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	63.6	0.89	10	10	mg/Kg
CI14480	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	14.8	0.88	10	10	mg/Kg
CI14480	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	14.8	0.88	10	10	mg/Kg
CI14481	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	61.5	0.94	10	10	mg/Kg
CI14481	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	61.5	0.94	10	10	mg/Kg
CI14482	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	14.6	0.88	10	10	mg/Kg
CI14482	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	14.6	0.88	10	10	mg/Kg
CI14483	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	36.6	0.82	10	10	mg/Kg
CI14483	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	36.6	0.82	10	10	mg/Kg
CI14484	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	23.8	0.89	10	10	mg/Kg
CI14484	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	23.8	0.89	10	10	mg/Kg

Tuesday, April 27, 2021

Criteria: CT: GAM, I/C, RC

State: CT

Sample Criteria Exceedances Report

GCI14470 - TIGHE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CI14485	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	34.1	0.88	10	10	mg/Kg
CI14485	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	34.1	0.88	10	10	mg/Kg
CI14486	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	43.0	0.81	10	10	mg/Kg
CI14486	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	43.0	0.81	10	10	mg/Kg

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.

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Phoenix Environmental Labs, Inc. ***Client:*** Tighe & Bond

Project Location: HUNTS BROOK PROPERTY ***Project Number:***

Laboratory Sample ID(s): CI14470-CI14486 ***Sampling Date(s):*** 4/22/2021

List RCP Methods Used (e.g., 8260, 8270, et cetera) 6010

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 CT DEP 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 or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)**	☐ Yes ☐ No ☑ NA
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 ☐ NA
4	**Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Section: ICP Narration.**	☐ Yes ☑ No
5	**a) Were reporting limits specified or referenced on the chain-of-custody?** **b) Were these reporting limits met?**	☑ Yes ☐ No ☑ 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 the 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.

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: _____ **Position:** Assistant Lab Director

Printed Name: Greg Lawrence **Date:** Tuesday, April 27, 2021

Name of Laboratory Phoenix Environmental Labs, Inc.

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

April 27, 2021

SDG I.D.: GCI14470

SDG Comments

Metals Analysis:
The client requested a shorter list of elements than the 6010 RCP list. Only Arsenic is reported as requested on the chain of custody.

ICP Metals Narration

Were all QA/QC performance criteria specified in the analytical method achieved? No.

QC Batch 572386 (Samples: CI14470, CI14471, CI14472, CI14473, CI14474, CI14475, CI14476, CI14477, CI14478, CI14479, CI14480): -----

The Sample/Duplicate RPD exceeds the method criteria, therefore there may be variability in the reported result. (Arsenic)

QC Batch 572387 (Samples: CI14481, CI14482, CI14483, CI14484, CI14485, CI14486): -----

The Sample/Duplicate RPD exceeds the method criteria, therefore there may be variability in the reported result. (Arsenic)

Instrument:

ARCOS-2 04/26/21 08:34 Emily Kolominskaya, Chemist 04/26/21

CI14470, CI14471, CI14472, CI14473, CI14474, CI14475, CI14476, CI14477, CI14478, CI14479, CI14480, CI14481, CI14482, CI14483, CI14484, CI14485, CI14486

The linear range is defined daily by the calibration range.
The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.
The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.
The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

QC (Site Specific):

Batch 572386 (CI14470)

CI14470, CI14471, CI14472, CI14473, CI14474, CI14475, CI14476, CI14477, CI14478, CI14479, CI14480

All LCS recoveries were within 75 - 125 with the following exceptions: None.
All LCSD recoveries were within 75 - 125 with the following exceptions: None.
All LCS/LCSD RPDs were less than 35% with the following exceptions: None.
All MS recoveries were within 75 - 125 with the following exceptions: None.
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

Batch 572387 (CI14481)

CI14481, CI14482, CI14483, CI14484, CI14485, CI14486

All LCS recoveries were within 75 - 125 with the following exceptions: None.
All LCSD recoveries were within 75 - 125 with the following exceptions: None.
All LCS/LCSD RPDs were less than 35% with the following exceptions: None.
All MS recoveries were within 75 - 125 with the following exceptions: None.
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

Temperature Narration

The samples were received at 2.0C with cooling initiated.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

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 2.0 °C Pg 1 of 2

Data Delivery/Contact Options:
[ ] Fax:
[ ] Phone:
[■] Email: bcaswell@tighebond.com

Customer: Tighe & Bond, Inc.
Address: 213 Court Street, Suite 1100
Middletown, CT

Project: Hunts Brook Property
Report to: Ben Caswell
Invoice to: Tighe & Bond
QUOTE #

Project P.O: 14-0754-120

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: RC Date: 4/22/21

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 **X** = _____(Other)

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Total Arsenic	MS/MSD *	GL Amber 8 oz. w/H3PO4	Soil VOA Vials [1] methanol [2] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] 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
14470	HA-24 (0-1 ft)	S	4/22/2021	9:20	X				1									
14471	HA-24 (1-2 ft)	S	4/22/2021	9:25	X				1									
14472	HA-25 (0-1 ft)	S	4/22/2021	9:30	X				1									
14473	HA-25 (1-2 ft)	S	4/22/2021	9:35	X				1									
14474	HA-26 (0-1 ft)	S	4/22/2021	9:40	X				1									
14475	HA-26 (1-2 ft)	S	4/22/2021	9:45	X				1									
14476	HA-27 (0-1 ft)	S	4/22/2021	10:50	X				1									
14477	HA-27 (1-2 ft)	S	4/22/2021	10:55	X				1									
14478	HA-28 (0-1 ft)	S	4/22/2021	11:00	X				1									
14479	HA-28 (1-2 ft)	S	4/22/2021	11:05	X				1									
14480	HA-29 (0-1 ft)	S	4/22/2021	11:10	X				1									
14481	HA-29 (1-2 ft)	S	4/22/2021	11:15	X				1									

Relinquished by:	Accepted by:	Date:	Time:
RC	THS Fridge	4/22/21	15:30
Fridge		4/23/21	8:08
		4/23	1053

Comments/Special Requirements or Regulations:

Turnaround Time:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[■] Standard-5 day
[ ] Other
*** SURCHARGE APPLIES**

RI
[ ] (Residential) Direct Exposure
[ ] (Comm/Industrial) Direct Exposure
[ ] GA Leachability
[ ] GB Leachability
[ ] GA-GW Objectives
[ ] GB-GW Objectives

CT
[■] RCP Cert
[ ] GW Protection
[ ] SW Protection
[■] GA Mobility
[ ] GB Mobility
[■] Residential DEC
[■] I/C DEC
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1 [ ] MWRA eSMART
[ ] GW-2 [ ] S-1 10% CALC
[ ] GW-3
[ ] S-1 GW-1 [ ] S-1 GW-2 [ ] -1 GW-3
[ ] S-2 GW-1 [ ] S-2 GW-2 [ ] -2 GW-3
[ ] S-3 GW-1 [ ] S-3 GW-2 [ ] -3 GW-3
[ ] SW Protection

State where samples were collected: CT

Data Format
[■] Excel
[■] PDF
[ ] GIS/Key
[ ] EQuIS
[■] Other-Envirodata

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[■] Phoenix Std Report
[ ] Other

*** SURCHARGE APPLIES**

**MS/MSD are considered site samples and will be billed as such in accordance with the prices quoted.*

The Connecticut Light and Power Company
d/b/a Eversource Energy
Docket No. 26-05-10
Date Issued September 29, 2026
RSR-032 Attachment 45
Page 277 of 373

Cooler: Yes [X] No [ ]
Coolant: IPK [X] ICE [ ] No [ ]

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

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Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 2.0 °C Pg 2 of 2

Data Delivery/Contact Options:
[ ] Fax:
[ ] Phone:
[■] Email: bcaswell@tighebond.com

Customer: Tighe & Bond, Inc.
Address: 213 Court Street, Suite 1100
Middletown, CT

Project: Hunts Brook Property
Report to: Ben Caswell
Invoice to: Tighe & Bond
QUOTE #

Project P.O: 14-0754-120

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 4/22/21

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 **X** = _____(Other)

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Total Arsenic	MS/MSD*	GL Amber 8 oz. w/H3PO4	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] 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
14482	HA-30 (0-1 ft)	S	4/22/2021	11:20	X								1					
14483	HA-30 (1-2 ft)	S	4/22/2021	11:25	X								1					
14484	HA-31 (0-1 ft)	S	4/22/2021	11:30	X								1					
14485	HA-31 (1-2 ft)	S	4/22/2021	11:35	X								1					
14486	HA-DUP-4-22-21	S	4/22/2021	9:46	X								1					

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	4/22/21	15:10
Fridge	[signature]	4/23/21	8:08
[signature]	[signature]	4/23	1053

Comments, Special Requirements or Regulations:

*MS/MSD are considered site samples and will be billed as such in accordance with the prices quoted.

Turnaround Time:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[■] Standard-5 day
[ ] Other
* SURCHARGE APPLIES

RI
[ ] (Residential) Direct Exposure
[ ] (Comm/Industrial) Direct Exposure
[ ] GA Leachability
[ ] GB Leachability
[ ] GA-GW Objectives
[ ] GB-GW Objectives

CT
[■] RCP Cert
[ ] GW Protection
[ ] SW Protection
[■] GA Mobility
[■] GB Mobility
[■] Residential DEC
[■] I/C DEC
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1 [ ] MWRA eSMART
[ ] GW-2 [ ] S-1 10% CALC
[ ] GW-3
[ ] S-1 GW-1 [ ] S-1 GW-2 [ ] -1 GW-3
[ ] S-2 GW-1 [ ] S-2 GW-2 [ ] -2 GW-3
[ ] S-3 GW-1 [ ] S-3 GW-2 [ ] -3 GW-3
[ ] SW Protection

State where samples were collected: CT

Data Format
[ ] Excel
[■] PDF
[ ] GIS/Key
[ ] EQuIS
[■] Other-Envirodata

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[■] Phoenix Std Report
[ ] Other
* SURCHARGE APPLIES

The Connecticut Light and Power Company
d/b/a Eversource Energy
Docket No. 26-05-10
Date Issued September 29, 2026
RSR-032 Attachment 45
Page 278 of 373

PHOENIX
Environmental Laboratories, Inc.

Monday, September 28, 2020

Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Project ID: **HUNTS BROOK PROPERTY**
SDG ID: **GCG83571**
Sample ID#s: CG83571 - CG83599

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Sample Id Cross Reference

September 28, 2020

SDG I.D.: GCG83571

Project ID: HUNTS BROOK PROPERTY

Client Id	Lab Id	Matrix
HA-1 (0-1`)	CG83571	SOIL
HA-1 (1-2`)	CG83572	SOIL
HA-2 (0-1`)	CG83573	SOIL
HA-2 (1-2`)	CG83574	SOIL
HA-3 (0-1`)	CG83575	SOIL
HA-3 (1-2`)	CG83576	SOIL
HA-4 (0-1`)	CG83577	SOIL
HA-4 (1-2`)	CG83578	SOIL
HA-DUP 2	CG83579	SOIL
HA-15 (0-1`)	CG83580	SOIL
HA-5 (0-1`)	CG83581	SOIL
HA-5 (1-2`)	CG83582	SOIL
HA-6 (0-1`)	CG83583	SOIL
HA-6 (1-2`)	CG83584	SOIL
HA-7 (0-1`)	CG83585	SOIL
HA-7 (1-2`)	CG83586	SOIL
HA-8 (0-1`)	CG83587	SOIL
HA-8 (1-2`)	CG83588	SOIL
HA-9 (0-1`)	CG83589	SOIL
HA-9 (1-2`)	CG83590	SOIL
HA-10 (0-1`)	CG83591	SOIL
HA-10 (1-2`)	CG83592	SOIL
HA-11 (0-1`)	CG83593	SOIL
HA-11 (1-2`)	CG83594	SOIL
HA-12 (0-1`)	CG83595	SOIL
HA-12 (1-2`)	CG83596	SOIL
HA-13 (0-1`)	CG83597	SOIL
HA-14 (0-1`)	CG83598	SOIL
HA DUP	CG83599	SOIL

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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Analysis Report

September 28, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/23/20	13:00
Location Code:	TIGHE-EVER	Received by:	SW	09/23/20	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCG83571
Phoenix ID: CG83571

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-1 (0-1`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	33.9	0.76	mg/Kg	1	09/24/20	EK	SW6010D
Percent Solid	91		%		09/23/20	CJ	SW846-%Solid
Total Metals Digest	Completed				09/23/20	B/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
September 28, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 28, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/23/20	13:05
Location Code:	TIGHE-EVER	Received by:	SW	09/23/20	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCG83571
Phoenix ID: CG83572

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-1 (1-2`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	118	0.76	mg/Kg	1	09/24/20	EK	SW6010D
Percent Solid	84		%		09/23/20	CJ	SW846-%Solid
Total Metals Digest	Completed				09/23/20	B/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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September 28, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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Analysis Report

September 28, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/23/20	13:15
Location Code:	TIGHE-EVER	Received by:	SW	09/23/20	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCG83571
Phoenix ID: CG83573

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-2 (0-1`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	13.7	0.69	mg/Kg	1	09/24/20	EK	SW6010D
Percent Solid	90		%		09/23/20	CJ	SW846-%Solid
Total Metals Digest	Completed				09/23/20	B/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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Phyllis Shiller, Laboratory Director
September 28, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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Analysis Report

September 28, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/23/20	13:20
Location Code:	TIGHE-EVER	Received by:	SW	09/23/20	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCG83571
Phoenix ID: CG83574

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-2 (1-2`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	85.6	0.85	mg/Kg	1	09/24/20	EK	SW6010D
Percent Solid	82		%		09/23/20	CJ	SW846-%Solid
Total Metals Digest	Completed				09/23/20	B/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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Phyllis Shiller, Laboratory Director
September 28, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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Analysis Report

September 28, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/23/20	13:09
Location Code:	TIGHE-EVER	Received by:	SW	09/23/20	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCG83571
Phoenix ID: CG83575

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-3 (0-1`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	60.7	0.72	mg/Kg	1	09/24/20	EK	SW6010D
Percent Solid	92		%		09/23/20	CJ	SW846-%Solid
Total Metals Digest	Completed				09/23/20	B/AG/BF	SW3050B

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September 28, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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Analysis Report

September 28, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/23/20	13:15
Location Code:	TIGHE-EVER	Received by:	SW	09/23/20	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCG83571
Phoenix ID: CG83576

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-3 (1-2`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	170	0.90	mg/Kg	1	09/24/20	EK	SW6010D
Percent Solid	77		%		09/23/20	CJ	SW846-%Solid
Total Metals Digest	Completed				09/23/20	B/AG/BF	SW3050B

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September 28, 2020
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Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/23/20	13:20
Location Code:	TIGHE-EVER	Received by:	SW	09/23/20	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCG83571
Phoenix ID: CG83577

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-4 (0-1`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	5.51	0.67	mg/Kg	1	09/24/20	EK	SW6010D
Percent Solid	94		%		09/23/20	CJ	SW846-%Solid
Total Metals Digest	Completed				09/23/20	B/AG/BF	SW3050B

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September 28, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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Analysis Report

September 28, 2020

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Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/23/20	13:25
Location Code:	TIGHE-EVER	Received by:	SW	09/23/20	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCG83571
Phoenix ID: CG83578

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-4 (1-2`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	112	0.81	mg/Kg	1	09/24/20	EK	SW6010D
Percent Solid	82		%		09/23/20	CJ	SW846-%Solid
Total Metals Digest	Completed				09/23/20	B/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
September 28, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 28, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/23/20	13:10
Location Code:	TIGHE-EVER	Received by:	SW	09/23/20	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCG83571
Phoenix ID: CG83579

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-DUP 2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	31.8	0.76	mg/Kg	1	09/24/20	EK	SW6010D
Percent Solid	90		%		09/23/20	CJ	SW846-%Solid
Total Metals Digest	Completed				09/23/20	B/AG/BF	SW3050B

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Phyllis Shiller, Laboratory Director
September 28, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 28, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/23/20	13:30
Location Code:	TIGHE-EVER	Received by:	SW	09/23/20	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCG83571
Phoenix ID: CG83580

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-15 (0-1`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	9.83	0.70	mg/Kg	1	09/24/20	EK	SW6010D
Percent Solid	94		%		09/23/20	CJ	SW846-%Solid
Total Metals Digest	Completed				09/23/20	B/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
September 28, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
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Analysis Report

September 28, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/23/20	12:30
Location Code:	TIGHE-EVER	Received by:	SW	09/23/20	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCG83571
Phoenix ID: CG83581

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-5 (0-1`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	22.4	0.77	mg/Kg	1	09/24/20	EK	SW6010D
Percent Solid	92		%		09/23/20	CJ	SW846-%Solid
Total Metals Digest	Completed				09/23/20	B/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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September 28, 2020
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Analysis Report

September 28, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/23/20	12:35
Location Code:	TIGHE-EVER	Received by:	SW	09/23/20	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCG83571
Phoenix ID: CG83582

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-5 (1-2`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	24.5	0.70	mg/Kg	1	09/24/20	EK	SW6010D
Percent Solid	89		%		09/23/20	CJ	SW846-%Solid
Total Metals Digest	Completed				09/23/20	B/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

September 28, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/23/20	12:00
Location Code:	TIGHE-EVER	Received by:	SW	09/23/20	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCG83571
Phoenix ID: CG83583

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-6 (0-1`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	24.6	0.73	mg/Kg	1	09/24/20	EK	SW6010D
Percent Solid	94		%		09/23/20	CJ	SW846-%Solid
Total Metals Digest	Completed				09/23/20	S/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
September 28, 2020
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Analysis Report

September 28, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/23/20	12:05
Location Code:	TIGHE-EVER	Received by:	SW	09/23/20	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCG83571
Phoenix ID: CG83584

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-6 (1-2`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	49.0	0.79	mg/Kg	1	09/24/20	EK	SW6010D
Percent Solid	87		%		09/23/20	CJ	SW846-%Solid
Total Metals Digest	Completed				09/23/20	S/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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September 28, 2020
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Analysis Report

September 28, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/23/20	11:51
Location Code:	TIGHE-EVER	Received by:	SW	09/23/20	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCG83571
Phoenix ID: CG83585

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-7 (0-1`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	18.7	0.78	mg/Kg	1	09/24/20	EK	SW6010D
Percent Solid	89		%		09/23/20	CJ	SW846-%Solid
Total Metals Digest	Completed				09/23/20	S/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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September 28, 2020
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Analysis Report

September 28, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/23/20	11:55
Location Code:	TIGHE-EVER	Received by:	SW	09/23/20	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCG83571
Phoenix ID: CG83586

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-7 (1-2`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	49.7	0.76	mg/Kg	1	09/24/20	EK	SW6010D
Percent Solid	85		%		09/23/20	CJ	SW846-%Solid
Total Metals Digest	Completed				09/23/20	S/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

September 28, 2020

FOR: Attn: Lynn Willey
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213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/23/20	12:10
Location Code:	TIGHE-EVER	Received by:	SW	09/23/20	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCG83571
Phoenix ID: CG83587

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-8 (0-1`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	28.7	0.75	mg/Kg	1	09/24/20	EK	SW6010D
Percent Solid	93		%		09/23/20	CJ	SW846-%Solid
Total Metals Digest	Completed				09/23/20	S/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

September 28, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/23/20	12:15
Location Code:	TIGHE-EVER	Received by:	SW	09/23/20	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCG83571
Phoenix ID: CG83588

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-8 (1-2`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	27.6	0.81	mg/Kg	1	09/24/20	EK	SW6010D
Percent Solid	87		%		09/23/20	CJ	SW846-%Solid
Total Metals Digest	Completed				09/23/20	S/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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September 28, 2020
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Analysis Report

September 28, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/23/20	12:20
Location Code:	TIGHE-EVER	Received by:	SW	09/23/20	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCG83571
Phoenix ID: CG83589

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-9 (0-1`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	12.6	0.77	mg/Kg	1	09/24/20	EK	SW6010D
Percent Solid	88		%		09/23/20	CJ	SW846-%Solid
Total Metals Digest	Completed				09/23/20	S/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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September 28, 2020
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Analysis Report

September 28, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/23/20	12:25
Location Code:	TIGHE-EVER	Received by:	SW	09/23/20	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCG83571
Phoenix ID: CG83590

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-9 (1-2`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	197	7.6	mg/Kg	10	09/28/20	EK	SW6010D
Percent Solid	82		%		09/23/20	CJ	SW846-%Solid
Total Metals Digest	Completed				09/23/20	S/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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Analysis Report

September 28, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/23/20	10:25
Location Code:	TIGHE-EVER	Received by:	SW	09/23/20	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCG83571
Phoenix ID: CG83591

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-10 (0-1`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	45.5	0.78	mg/Kg	1	09/24/20	EK	SW6010D
Percent Solid	91		%		09/23/20	CJ	SW846-%Solid
Total Metals Digest	Completed				09/23/20	S/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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September 28, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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Analysis Report

September 28, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/23/20	10:30
Location Code:	TIGHE-EVER	Received by:	SW	09/23/20	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCG83571
Phoenix ID: CG83592

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-10 (1-2`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	37.8	0.75	mg/Kg	1	09/24/20	EK	SW6010D
Percent Solid	86		%		09/23/20	CJ	SW846-%Solid
Total Metals Digest	Completed				09/23/20	S/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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September 28, 2020
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Analysis Report

September 28, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/23/20	10:50
Location Code:	TIGHE-EVER	Received by:	SW	09/23/20	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCG83571
Phoenix ID: CG83593

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-11 (0-1`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	51.7	0.70	mg/Kg	1	09/25/20	EK	SW6010D
Percent Solid	87		%		09/23/20	CJ	SW846-%Solid
Total Metals Digest	Completed				09/23/20	S/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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Analysis Report

September 28, 2020

FOR: Attn: Lynn Willey
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213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/23/20	10:55
Location Code:	TIGHE-EVER	Received by:	SW	09/23/20	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCG83571
Phoenix ID: CG83594

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-11 (1-2`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	130	0.82	mg/Kg	1	09/25/20	EK	SW6010D
Percent Solid	84		%		09/23/20	CJ	SW846-%Solid
Total Metals Digest	Completed				09/23/20	S/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

September 28, 2020

FOR: Attn: Lynn Willey
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213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/23/20	10:35
Location Code:	TIGHE-EVER	Received by:	SW	09/23/20	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCG83571
Phoenix ID: CG83595

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-12 (0-1`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	15.6	0.79	mg/Kg	1	09/25/20	EK	SW6010D
Percent Solid	87		%		09/23/20	CJ	SW846-%Solid
Total Metals Digest	Completed				09/23/20	S/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

September 28, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/23/20	10:40
Location Code:	TIGHE-EVER	Received by:	SW	09/23/20	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCG83571
Phoenix ID: CG83596

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-12 (1-2`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	156	0.86	mg/Kg	1	09/25/20	EK	SW6010D
Percent Solid	83		%		09/23/20	CJ	SW846-%Solid
Total Metals Digest	Completed				09/23/20	S/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
September 28, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 28, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/23/20	10:45
Location Code:	TIGHE-EVER	Received by:	SW	09/23/20	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCG83571
Phoenix ID: CG83597

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-13 (0-1`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	13.4	0.69	mg/Kg	1	09/25/20	EK	SW6010D
Percent Solid	89		%		09/23/20	CJ	SW846-%Solid
Total Metals Digest	Completed				09/23/20	S/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
September 28, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 28, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/23/20	12:00
Location Code:	TIGHE-EVER	Received by:	SW	09/23/20	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCG83571
Phoenix ID: CG83598

Project ID: HUNTS BROOK PROPERTY
Client ID: HA-14 (0-1`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	20.0	0.68	mg/Kg	1	09/25/20	EK	SW6010D
Percent Solid	93		%		09/23/20	CJ	SW846-%Solid
Total Metals Digest	Completed				09/23/20	S/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
September 28, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 28, 2020

FOR: Attn: Lynn Willey
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/23/20	10:41
Location Code:	TIGHE-EVER	Received by:	SW	09/23/20	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	10948703				

Laboratory Data

SDG ID: GCG83571
Phoenix ID: CG83599

Project ID: HUNTS BROOK PROPERTY
Client ID: HA DUP

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	217	8.5	mg/Kg	10	09/28/20	EK	SW6010D
Percent Solid	83		%		09/23/20	CJ	SW846-%Solid
Total Metals Digest	Completed				09/23/20	S/AG/BF	SW3050B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
September 28, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

September 28, 2020

QA/QC Data

SDG I.D.: GCG83571

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 546650 (mg/kg), QC Sample No: CG83571 (CG83571)													
ICP Metals - Soil													
Arsenic	BRL	0.67	33.9	26.6	24.1	113	111	1.8	92.6			75 - 125	35
Comment:													
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.													
QA/QC Batch 546651 (mg/kg), QC Sample No: CG83572 (CG83572, CG83573, CG83574, CG83575, CG83576, CG83577, CG83578, CG83579, CG83580, CG83581, CG83582)													
ICP Metals - Soil													
Arsenic	BRL	0.67	118	130	9.70	93.5	95.5	2.1	79.7			75 - 125	35
Comment:													
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.													
QA/QC Batch 546652 (mg/kg), QC Sample No: CG83583 (CG83583, CG83584, CG83585, CG83586, CG83587, CG83588, CG83589, CG83590, CG83591, CG83592, CG83593, CG83594, CG83595, CG83596, CG83597, CG83598, CG83599)													
ICP Metals - Soil													
Arsenic	BRL	0.67	24.6	22.3	9.80	101	98.6	2.4	93.7			75 - 125	35
Comment:													
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.													

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
September 28, 2020

Monday, September 28, 2020
Criteria: CT: GAM, I/C, RC
State: CT

Sample Criteria Exceedances Report

GCG83571 - TIGHE-EVER

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CG83571	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	33.9	0.76	10	10	mg/Kg
CG83571	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	33.9	0.76	10	10	mg/Kg
CG83572	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	118	0.76	10	10	mg/Kg
CG83572	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	118	0.76	10	10	mg/Kg
CG83573	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	13.7	0.69	10	10	mg/Kg
CG83573	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	13.7	0.69	10	10	mg/Kg
CG83574	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	85.6	0.85	10	10	mg/Kg
CG83574	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	85.6	0.85	10	10	mg/Kg
CG83575	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	60.7	0.72	10	10	mg/Kg
CG83575	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	60.7	0.72	10	10	mg/Kg
CG83576	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	170	0.90	10	10	mg/Kg
CG83576	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	170	0.90	10	10	mg/Kg
CG83578	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	112	0.81	10	10	mg/Kg
CG83578	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	112	0.81	10	10	mg/Kg
CG83579	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	31.8	0.76	10	10	mg/Kg
CG83579	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	31.8	0.76	10	10	mg/Kg
CG83581	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	22.4	0.77	10	10	mg/Kg
CG83581	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	22.4	0.77	10	10	mg/Kg
CG83582	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	24.5	0.70	10	10	mg/Kg
CG83582	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	24.5	0.70	10	10	mg/Kg
CG83583	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	24.6	0.73	10	10	mg/Kg
CG83583	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	24.6	0.73	10	10	mg/Kg
CG83584	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	49.0	0.79	10	10	mg/Kg
CG83584	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	49.0	0.79	10	10	mg/Kg
CG83585	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	18.7	0.78	10	10	mg/Kg
CG83585	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	18.7	0.78	10	10	mg/Kg
CG83586	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	49.7	0.76	10	10	mg/Kg
CG83586	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	49.7	0.76	10	10	mg/Kg
CG83587	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	28.7	0.75	10	10	mg/Kg
CG83587	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	28.7	0.75	10	10	mg/Kg

Monday, September 28, 2020
Criteria: CT: GAM, I/C, RC
State: CT

Sample Criteria Exceedances Report

GCG83571 - TIGHE-EVER

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CG83588	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	27.6	0.81	10	10	mg/Kg
CG83588	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	27.6	0.81	10	10	mg/Kg
CG83589	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	12.6	0.77	10	10	mg/Kg
CG83589	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	12.6	0.77	10	10	mg/Kg
CG83590	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	197	7.6	10	10	mg/Kg
CG83590	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	197	7.6	10	10	mg/Kg
CG83591	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	45.5	0.78	10	10	mg/Kg
CG83591	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	45.5	0.78	10	10	mg/Kg
CG83592	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	37.8	0.75	10	10	mg/Kg
CG83592	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	37.8	0.75	10	10	mg/Kg
CG83593	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	51.7	0.70	10	10	mg/Kg
CG83593	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	51.7	0.70	10	10	mg/Kg
CG83594	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	130	0.82	10	10	mg/Kg
CG83594	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	130	0.82	10	10	mg/Kg
CG83595	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	15.6	0.79	10	10	mg/Kg
CG83595	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	15.6	0.79	10	10	mg/Kg
CG83596	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	156	0.86	10	10	mg/Kg
CG83596	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	156	0.86	10	10	mg/Kg
CG83597	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	13.4	0.69	10	10	mg/Kg
CG83597	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	13.4	0.69	10	10	mg/Kg
CG83598	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	20.0	0.68	10	10	mg/Kg
CG83598	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	20.0	0.68	10	10	mg/Kg
CG83599	AS-SM	Arsenic	CT / RSR DEC I/C (mg/kg) / Inorganics	217	8.5	10	10	mg/Kg
CG83599	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	217	8.5	10	10	mg/Kg

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.

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Phoenix Environmental Labs, Inc. ***Client:*** Tighe & Bond

Project Location: HUNTS BROOK PROPERTY ***Project Number:***

Laboratory Sample ID(s): CG83571-CG83599 ***Sampling Date(s):*** 9/23/2020

List RCP Methods Used (e.g., 8260, 8270, et cetera) 6010

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 CT DEP 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 or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)**	☐ Yes ☐ No ☑ NA
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 ☐ NA
4	**Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?**	☑ Yes ☐ No
5	**a) Were reporting limits specified or referenced on the chain-of-custody?** **b) Were these reporting limits met?**	☑ Yes ☐ No ☑ 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 the 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.

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: _____ **Position:** Assistant Lab Director

Printed Name: Greg Lawrence **Date:** Monday, September 28, 2020

Name of Laboratory Phoenix Environmental Labs, Inc.

This certification form is to be used for RCP methods only.

CTDEP RCP Laboratory Analysis QA/QC Certification Form - November 2007
Laboratory Quality Assurance and Quality Control Guidance Reasonable Confidence Protocols

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

September 28, 2020

SDG I.D.: GCG83571

SDG Comments

Metals Analysis:
The client requested a shorter list of elements than the 6010 RCP list. Only Arsenic is reported as requested on the chain of custody.

ICP Metals Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Instrument:

ARCOS-2 09/23/20 09:28 Emily Kolominskaya, Chemist 09/23/20

CG83571

The linear range is defined daily by the calibration range.
The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.
The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.
The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

ARCOS-2 09/24/20 11:20 Emily Kolominskaya, Chemist 09/24/20

CG83572, CG83573, CG83574, CG83575, CG83576, CG83577, CG83578, CG83579, CG83580, CG83581, CG83582, CG83583, CG83584, CG83585, CG83586, CG83587, CG83588, CG83589, CG83591, CG83592, CG83593, CG83594, CG83595, CG83596, CG83597, CG83598

The linear range is defined daily by the calibration range.
The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.
The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.
The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

ARCOS-2 09/28/20 11:19 Emily Kolominskaya, Chemist 09/28/20

CG83590, CG83599

The linear range is defined daily by the calibration range.
The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.
The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.
The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

QC (Site Specific):

Batch 546650 (CG83571)

CG83571

All LCS recoveries were within 75 - 125 with the following exceptions: None.
All LCSD recoveries were within 75 - 125 with the following exceptions: None.
All LCS/LCSD RPDs were less than 35% with the following exceptions: None.
All MS recoveries were within 75 - 125 with the following exceptions: None.
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

Batch 546651 (CG83572)

CG83572, CG83573, CG83574, CG83575, CG83576, CG83577, CG83578, CG83579, CG83580, CG83581, CG83582

All LCS recoveries were within 75 - 125 with the following exceptions: None.
All LCSD recoveries were within 75 - 125 with the following exceptions: None.
All LCS/LCSD RPDs were less than 35% with the following exceptions: None.
All MS recoveries were within 75 - 125 with the following exceptions: None.
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

Batch 546652 (CG83583)

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Certification Report

September 28, 2020

SDG I.D.: GCG83571

ICP Metals Narration

CG83583, CG83584, CG83585, CG83586, CG83587, CG83588, CG83589, CG83590, CG83591, CG83592, CG83593, CG83594, CG83595, CG83596, CG83597, CG83598, CG83599

All LCS recoveries were within 75 - 125 with the following exceptions: None.
All LCSD recoveries were within 75 - 125 with the following exceptions: None.
All LCS/LCSD RPDs were less than 35% with the following exceptions: None.
All MS recoveries were within 75 - 125 with the following exceptions: None.
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

Temperature Narration

The samples were received at 5.0C with cooling initiated.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Jonathan.reich@eversource.com

Cooler: Yes [X] No [ ]
Coolant: IPK [ ] ICE [X] 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 5.0 °C Pg 1 of 3

Data Delivery/Contact Options:
[ ] Fax:
[ ] Phone:
[X] Email: ~~katie~~ lewilley + dmiller

Customer: Tighe & Bond
Address: 213 Court Street
Middletown, CT

Project: Hunts Brook Property SEH
Report to: Lynn Willey + Jonathan Reich
Invoice to: Eversource PO# 10948702
~~QUOTE #~~ NSTAR/Eversource - Monthly Billing

Project P.O:

This section MUST be completed with Bottle Quantities.

Sampler's Signature: DLM Date: 9/23/20

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 **X** = _____(Other)

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request: Total Arsenic	MS/MSD *	GL Amber 8 oz. w/H3PO4	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (8 oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCL	GL Amber 1000ml [ ] 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
83571	HA-1 (0-1')	S	9/23/20	1300	X				1									
83572	HA-1 (1-2')			1305	X				1									
83573	HA-2 (0-1')			1315	X				1									
83574	HA-2 (1-2')			1320	X				1									
83575	HA-3 (0-1')			1309	X				1									
83576	HA-3 (1-2')			1315	X				1									
83577	HA-4 (0-1')			1320	X				1									
83578	HA-4 (1-2')			1325	X				1									
83579	HA-DUP 2			1310	X				1									
83580	HA-5 (0-1')			1330	X				1									
83581	HA-5 (0-1')			1230	X				1									
83582	HA-5 (1-2')	S	9/23/20	1235	X				1									

Relinquished by:	Accepted by:	Date:	Time:
DLM	Kristal Rivera	9/23/20	14:58

Comments, Special Requirements or Regulations:

**MS/MSD are considered site samples and will be billed as such in accordance with the prices quoted.*

Turnaround Time:
[ ] 1 Day*
[ ] 2 Days*
[X] 3 Days*
[ ] Standard
[ ] Other
* SURCHARGE APPLIES

RI
[X] (Residential) Direct Exposure
[ ] (Comm/Industrial) Direct Exposure
[ ] GA Leachability
[ ] GB Leachability
[ ] GA-GW Objectives
[ ] GB-GW Objectives

CT
[X] RCP Cert
[ ] GW Protection
[ ] SW Protection
[X] GA Mobility
[ ] GB Mobility
[X] Residential DEC
[X] I/C DEC
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1 [ ] MWRA eSMART
[ ] GW-2 [ ] S-1 10% CALC
[ ] GW-3
[ ] S-1 GW-1 [ ] S-1 GW-2 [ ] S-1 GW-3
[ ] S-2 GW-1 [ ] S-2 GW-2 [ ] S-2 GW-3
[ ] S-3 GW-1 [ ] S-3 GW-2 [ ] S-3 GW-3
[ ] SW Protection

State where samples were collected: CT

Data Format
[X] Excel
[X] PDF
[ ] GIS/Key
[ ] EQuIS
[X] Other Geotech

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[ ] Phoenix Std Report
[ ] Other
* SURCHARGE APPLIES

PEL-126 REV. 06/20

The Connecticut Light and Power Company
d/b/a Eversource Energy
Docket No. 26-05-10
Date Issued September 29, 2026
RSR-032 Attachment 45
Page 316 of 373

Cooler: Yes [X] No [ ]
Coolant: IPK [ ] ICE [X] 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 5.0 °C Pg 2 of 3

Data Delivery/Contact Options:
[ ] Fax:
[ ] Phone:
[ ] Email: SAME

Customer: Tighe & Bond
Address: 213 Court Street, Middletown, CT
Project: SAME
Report to: Lynn Wiley
Invoice to:
QUOTE # SAME
Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 9/23/20

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 **X** = _____(Other)

Analysis Request: Total Arsenic

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Total Arsenic	MS/MSD*	GL Amber 8 oz. w/H3PO4	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (4) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCL	GL Amber 1000ml [ ] 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
83583	HA-6 (0-1')	S	9/23/20	1200	X				1									
83584	HA-6 (1-2')			1205	X				1									
83585	HA-7 (0-1')			1151	X				1									
83586	HA-7 (1-2')			1155	X				1									
83587	HA-8 (0-1')			1210	X				1									
83588	HA-8 (1-2')			1215	X				1									
83589	HA-9 (0-1')			1220	X				1									
83590	HA-9 (1-2')			1225	X				1									
83591	HA-10 (0-1')			1025	X				1									
83592	HA-10 (1-2')			1030	X				1									
83593	HA-11 (0-1')			1050	X				1									
83594	HA-11 (1-2')	S	9/23/20	1055	X				1									

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	9/23/20	14:58

Comments, Special Requirements or Regulations:

Turnaround Time:
[ ] 1 Day*
[ ] 2 Days*
[X] 3 Days*
[ ] Standard
[ ] Other
* SURCHARGE APPLIES

*MS/MSD are considered site samples and will be billed as such in accordance with the prices quoted.

RI
[ ] (Residential) Direct Exposure
[ ] (Comm/Industrial) Direct Exposure
[ ] GA Leachability
[ ] GB Leachability
[ ] GA-GW Objectives
[ ] GB-GW Objectives

CT
[X] RCP Cert
[ ] GW Protection
[ ] SW Protection
[ ] GA Mobility
[ ] GB Mobility
[X] Residential DEC
[X] I/C DEC
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1 [ ] MWRA eSMART
[ ] GW-2 [ ] S-1 10% CALC
[ ] GW-3
[ ] S-1 GW-1 [ ] S-1 GW-2 [ ] S-1 GW-3
[ ] S-2 GW-1 [ ] S-2 GW-2 [ ] S-2 GW-3
[ ] S-3 GW-1 [ ] S-3 GW-2 [ ] S-3 GW-3
[ ] SW Protection

State where samples were collected: CT

Data Format
[X] Excel
[X] PDF
[ ] GIS/Key
[ ] EQuIS
[X] Other Geotech

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[ ] Phoenix Std Report
[ ] Other
* SURCHARGE APPLIES

PEL-126 REV. 06/20

The Connecticut Light and Power Company
d/b/a Eversource Energy
Docket No. 26-05-10
Date Issued September 29, 2026
RSR-032 Attachment 45
Page 317 of 373

Cooler: Yes [X] No [ ]
Coolant: IPK [ ] ICE [X] No [ ]

CHAIN OF CUSTODY RECORD

Temp 5.0 °C Pg 3 of 3

PHOENIX *Environmental Laboratories, Inc.*

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Data Delivery/Contact Options:
[ ] Fax:
[ ] Phone:
[ ] Email: SAME

Customer: Tighe & Bond
Address: 213 Court Street
Middletown, CT

Project: SAME
Report to: Lynn Wiley
Invoice to:
QUOTE # SAME

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 9/23/20

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 **X** = _____(Other)

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Total Arsenic	MS/MSD *	GL Amber 8 oz. w/H3PO4	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCL	GL Amber 1000ml [ ] 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
83595	HA-12 (0-1')	S	9/23/20	1035	X					1								
83596	HA-12 (1-2')			1040	X					1								
83597	HA-13 (0-1')	↓	↓	1045	X					1								
83598	HA-14 (0-1')	S	9/23/20	1200	X					1								
83599	HA Dup	S	9/23/20	1041	X													

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	9/23/20	14:58

Comments, Special Requirements or Regulations:

**MS/MSD are considered site samples and will be billed as such in accordance with the prices quoted.*

Turnaround Time:
[ ] 1 Day*
[ ] 2 Days*
[X] 3 Days*
[ ] Standard
[ ] Other
* SURCHARGE APPLIES

RI
[ ] (Residential) Direct Exposure
[ ] (Comm/Industrial) Direct Exposure
[ ] GA Leachability
[ ] GB Leachability
[ ] GA-GW Objectives
[ ] GB-GW Objectives

CT
[X] RCP Cert
[ ] GW Protection
[ ] SW Protection
[ ] GA Mobility
[ ] GB Mobility
[ ] Residential DEC
[ ] I/C DEC
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1 [ ] MWRA eSMART
[ ] GW-2 [ ] S-1 10% CALC
[ ] GW-3
[ ] S-1 GW-1 [ ] S-1 GW-2 [ ] S-1 GW-3
[ ] S-2 GW-1 [ ] S-2 GW-2 [ ] S-2 GW-3
[ ] S-3 GW-1 [ ] S-3 GW-2 [ ] S-3 GW-3
[ ] SW Protection

State where samples were collected: CT

Data Format
[X] Excel
[ ] PDF
[ ] GIS/Key
[ ] EQuIS
[X] Other Geotech

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[ ] Phoenix Std Report
[ ] Other
* SURCHARGE APPLIES

PEL-126 REV. 06/20

The Connecticut Light and Power Company
d/b/a Eversource Energy
Docket No. 26-05-10
Date Issued September 29, 2026
RSR-032 Attachment 45
Page 318 of 373

Tighe&Bond

APPENDIX D

RECEIVED DEC 23 1998

CPR-8 Rev. 7/95

PERMIT NUMBER
191783

STATE OF CONNECTICUT
DEPARTMENT OF CONSUMER PROTECTION
REAL ESTATE & PROFESSIONAL TRADES DIVISION

WELL DRILLING PERMIT

165 Capitol Avenue, Hartford, Connecticut 06106

LOCATION OF WELL (Town)	(Street)	(Lot Number)	DATE
MONTVILLE	MOXLEY Rd	# 119	12/21/98

OWNER OF WELL: Lenny + Diane Lovelean ☑ INDIVIDUAL ☐ BUILDER ☐ OTHER (Specify)

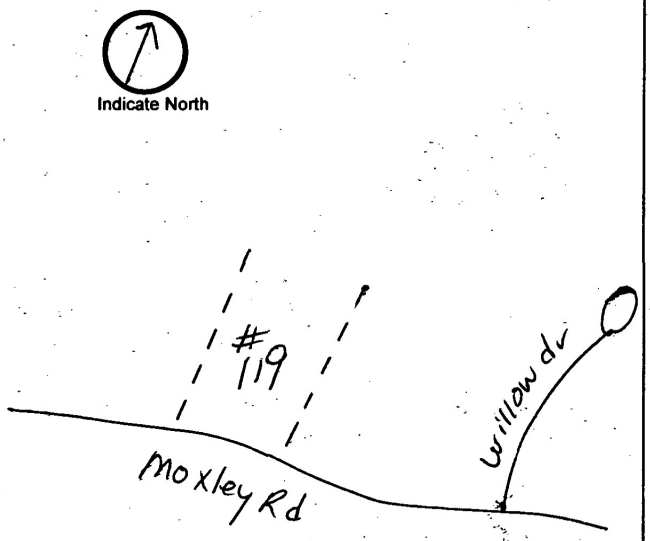
OWNER'S ADDRESS: 119 Moxley Rd Uncasville CT 06382

PROPOSED USE OF WELL					Est. No. of People being served.
☑ DOMESTIC	☐ BUSINESS ESTABLISHMENT	☐ FARM	☐ TEST WELL		4
☐ PUBLIC SUPPLY	☐ INDUSTRIAL	☐ AIR CONDITIONING	☐ OTHER (Specify)		

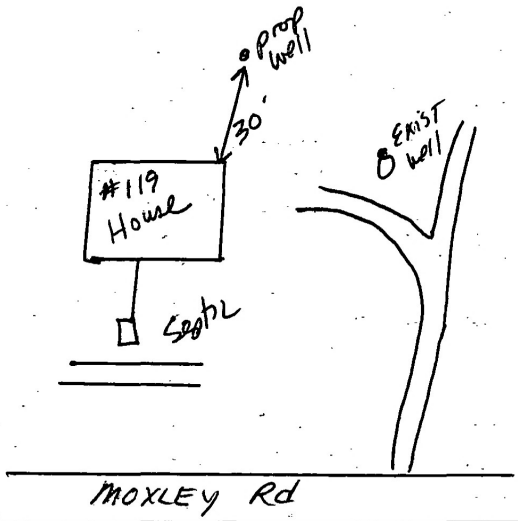
SKETCH OF WELL LOCATION

Locate well with respect to at least two roads, showing distance from intersection and front of lot

location of lot to at least two roads



Well location on to and to house (if present)



Approximate number of feet from well to nearest source of possible contamination: 75'+

The undersigned is aware that upon completion of the well, a "Well Completion Report" containing construction details and information required under Section 25-131 of the 1969 Supplement to the General Statutes must be sent to the owner, the Department of Consumer Protection and the Water Resources Commission on the form provided by the agency. This permit is not valid until all information is filled in and it has been counter-signed by the Director of Health or his agent. LaFrambose Well Drilling

APPLICANT (Signature)	APPLICANT'S ADDRESS	REGISTRATION NO.
	P.O. Box 303 Thompson CT 06277	13
☐ APPROVED ☐ REJECTED	BY (Town Health Officer or Agent) Director of Health	DATE 12/31/98

REMARKS
12/23 $350.00 CK#4098, 67
Rec#7617

RETURN THIS COPY TO DEPARTMENT OF CONSUMER PROTECTION

CPR-9 Rev. 7/95

STATE OF CONNECTICUT
DEPARTMENT OF CONSUMER PROTECTION
REAL ESTATE & PROFESSIONAL TRADES DIVISION
WELL DRILLING COMPLETION REPORT
165 Capitol Avenue, Hartford, Connecticut 06106

Do NOT fill in
STATE WELL NO.
OTHER NO.

OWNER — NAME: LENNY LEWELLEN — ADDRESS: 119 Moxley Rd Montville CT 06382

LOCATION OF WELL — (No. & Street) 119 MOXLEY Rd (Town) MONTVILLE (Lot Number)

PROPOSED USE OF WELL
- [x] DOMESTIC
- [ ] BUSINESS ESTABLISHMENT
- [ ] FARM
- [ ] TEST WELL
- [ ] PUBLIC SUPPLY
- [ ] INDUSTRIAL
- [ ] AIR CONDITIONING
- [ ] OTHER (Specify)

DRILLING EQUIPMENT
- [ ] ROTARY
- [x] COMPRESSED AIR PERCUSSION
- [ ] CABLE PERCUSSION
- [ ] OTHER (Specify)

CASING DETAILS

LENGTH (feet)	DIAMETER (inches)	WEIGHT PER FOOT			DRIVE SHOE	WAS CASING GROUTED?
20	6	17	[x] THREADED	[ ] WELDED	[x] YES [ ] NO	[x] YES [ ] NO

YIELD TEST — [ ] BAILED [ ] PUMPED [x] COMPRESSED AIR — HOURS: 4 — YIELD (GPM): 8

WATER LEVEL

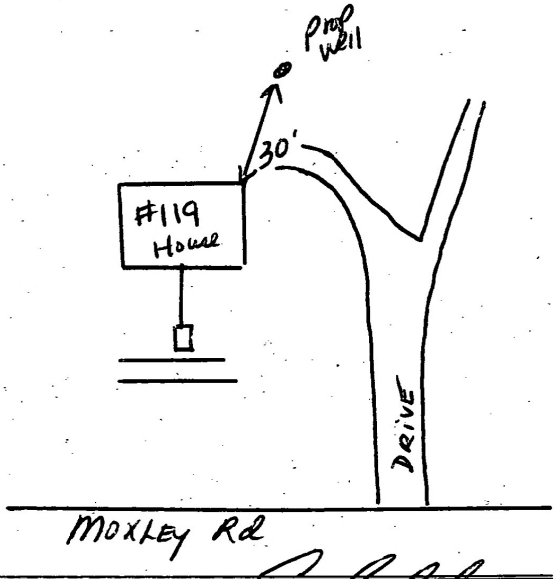
MEASURE FROM LAND SURFACE - STATIC (Specify feet)	DURING YIELD TEST (feet)	Depth of Completed Well in feet
20	400	400

SCREEN DETAILS — MAKE: — LENGTH OPEN TO AQUIFER (feet):

SLOT SIZE	DIAMETER (inches)	IF GRAVEL PACKED:	Diameter of well including gravel pack (inches)	GRAVEL SIZE (inches)	FROM (feet)	TO (feet)

DEPTH FROM LAND TO SURFACE FEET TO FEET		FORMATION DESCRIPTION
0	12	Topsoil, Gravel
12	400	Bedrock

Sketch exact location of well with distances, to at least two permanent landmarks -



If yield was tested at different depths during drilling, list below

FEET	GALLONS PER MINUTE

DATE WELL COMPLETED	PERMIT NO.	REGISTRATION NO.	DATE OF REPORT	WELL DRILLER (Signature)
1-29-99	191783	13	2/23/99	

AGENCY

RECEIVED AUG 4 1999

CPR-8 Rev. 7/95

PERMIT NUMBER
196433

Existing Dug well is Dry

STATE OF CONNECTICUT
DEPARTMENT OF CONSUMER PROTECTION
REAL ESTATE & PROFESSIONAL TRADES DIVISION
WELL DRILLING PERMIT
165 Capitol Avenue, Hartford, Connecticut 06106

LOCATION OF WELL (Town)	(Street)	(Lot Number)	DATE
MONTVILLE	MOXLEY Rd	124	7/30/99

OWNER OF WELL: Brian Reed ☑ INDIVIDUAL ☐ BUILDER ☐ OTHER (Specify)

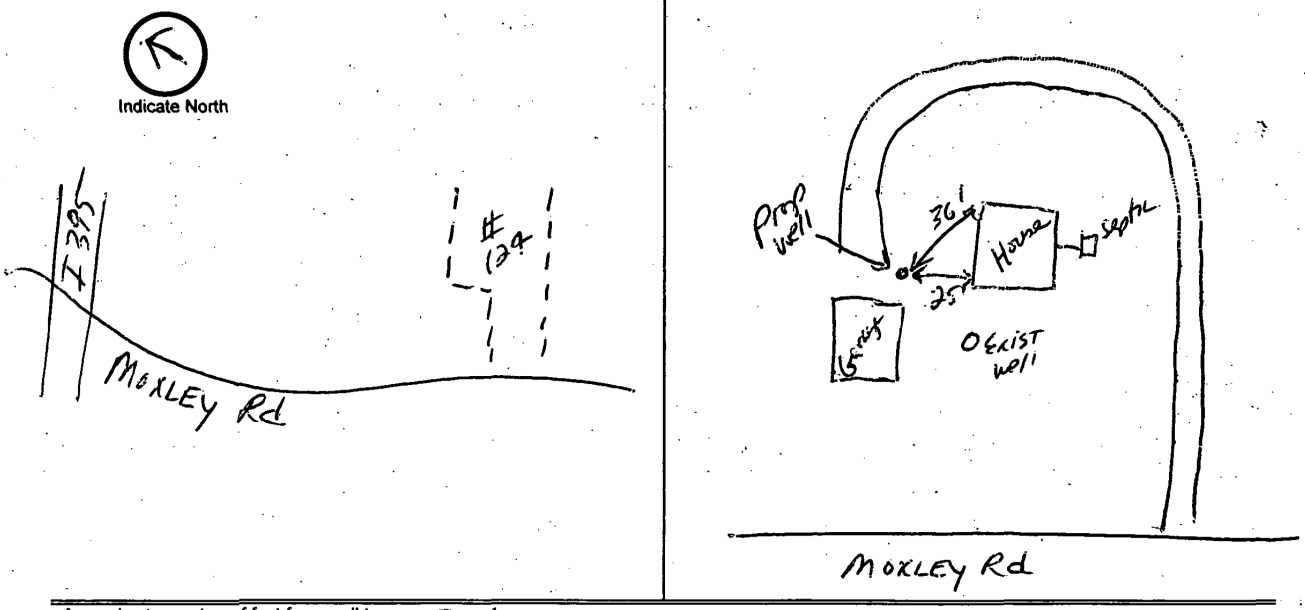
OWNER'S ADDRESS: P.O. 454 Quaker Hill CT 06375

PROPOSED USE OF WELL					Est. No. of People being served
☑ DOMESTIC	☐ BUSINESS ESTABLISHMENT	☐ FARM	☐ TEST WELL		4
☐ PUBLIC SUPPLY	☐ INDUSTRIAL	☐ AIR CONDITIONING	☐ OTHER (Specify)		

SKETCH OF WELL LOCATION

Locate well with respect to at least two roads, showing distance from intersection and front of lot

location of lot to at least two roads | Well location on to and to house (if present)



Approximate number of feet from well to nearest source of possible contamination: 75'+

The undersigned is aware that upon completion of the well, a "Well Completion Report" containing construction details and information required under Section 25-131 of the 1969 Supplement to the General Statutes must be sent to the owner, the Department of Consumer Protection and the Water Resources Commission on the form provided by the agency. This permit is not valid until all information is filled in and it has been counter-signed by the Director of Health or his agent. LaFramboise Well Drilling

APPLICANT (Signature)	APPLICANT'S ADDRESS	REGISTRATION NO.
	P.O. Box 303 Thompson CT 06277	13
☒ APPROVED ☐ REJECTED	BY (Town Health Officer or Agent) Director of Health	DATE 8/12/99

REMARKS
CK#4326, $30.00 DUG WELL TO BE ABANDONED ACCORDING TO THE PROVISIONS OF THE STATE OF CT. PUBLIC HEALTH CODE
8/3/99 LA Rec#8032

RETURN THIS COPY TO DEPARTMENT OF CONSUMER PROTECTION

CPR-9 Rev. 7/95

STATE OF CONNECTICUT
DEPARTMENT OF CONSUMER PROTECTION
REAL ESTATE & PROFESSIONAL TRADES DIVISION
WELL DRILLING COMPLETION REPORT
165 Capitol Avenue, Hartford, Connecticut 06106

Do NOT fill in
STATE WELL NO.
OTHER NO.

OWNER — NAME: BRIAN REED — ADDRESS: P.O. Box 454 Quaker Hill CT 06375

LOCATION OF WELL — (No. & Street): 124 Moxley Rd — (Town): Montville — (Lot Number):

PROPOSED USE OF WELL
- [x] DOMESTIC
- [ ] BUSINESS ESTABLISHMENT
- [ ] FARM
- [ ] TEST WELL
- [ ] PUBLIC SUPPLY
- [ ] INDUSTRIAL
- [ ] AIR CONDITIONING
- [ ] OTHER (Specify)

DRILLING EQUIPMENT
- [ ] ROTARY
- [x] COMPRESSED AIR PERCUSSION
- [ ] CABLE PERCUSSION
- [ ] OTHER (Specify)

CASING DETAILS

LENGTH (feet)	DIAMETER (inches)	WEIGHT PER FOOT			DRIVE SHOE		WAS CASING GROUTED?	
20	6	17	[x] THREADED	[ ] WELDED	[x] YES	[ ] NO	[x] YES	[ ] NO

YIELD TEST — [ ] BAILED [ ] PUMPED [x] COMPRESSED AIR — HOURS: 4 — YIELD (GPM): 10

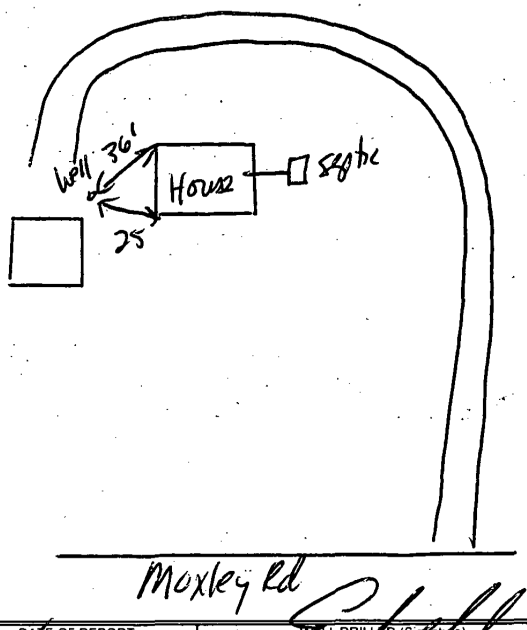
WATER LEVEL — MEASURE FROM LAND SURFACE - STATIC (Specify feet): 10 — DURING YIELD TEST (feet): 120 — Depth of Completed Well in feet: 120

SCREEN DETAILS — MAKE: — LENGTH OPEN TO AQUIFER (feet):

SLOT SIZE	DIAMETER (inches)	IF GRAVEL PACKED:	Diameter of well including gravel pack (inches)	GRAVEL SIZE (inches)	FROM (feet)	TO (feet)

DEPTH FROM LAND TO SURFACE FEET TO FEET		FORMATION DESCRIPTION
0	12	Topsoil, Gravel
12	120	Bedrock

Sketch exact location of well with distances, to at least two permanent landmarks



If yield was tested at different depths during drilling, list below

FEET	GALLONS PER MINUTE

DATE WELL COMPLETED	PERMIT NO.	REGISTRATION NO.	DATE OF REPORT	WELL DRILLER (Signature)
9/1/99	196433	13	9/2/99	

AGENCY

CONSUMER PROTECTION
WELL DRILLING BOARD
CPR-8 REV. 11-82

STATE OF CONNECTICUT
DEPARTMENT OF CONSUMER PROTECTION
WELL DRILLING PERMIT
165 CAPITOL AVE., HARTFORD, CONNECTICUT 06106

PERMIT NUMBER
144401

LOCATION OF WELL (Town): MONTVILLE (Street): MOKLEY ROAD (Lot Number): | DATE: 9-21-90

OWNER OF WELL
[x] INDIVIDUAL [x] BUILDER [ ] OTHER (Specify) HENRY MALINOWSKY JR. 443-8575

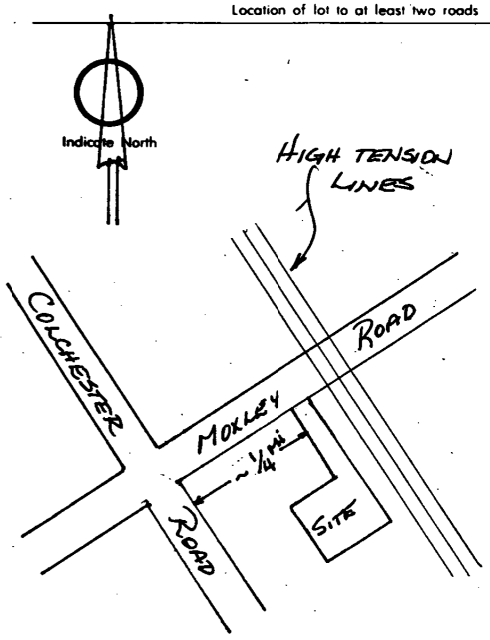
OWNER'S ADDRESS
175 BLOOMINGDALE ROAD, QUAKER HILL, CT. 06375

PROPOSED USE OF WELL					Est. No. of People being served.
	[x] DOMESTIC	[ ] BUSINESS ESTABLISHMENT	[ ] FARM	[ ] TEST WELL	3
	[ ] PUBLIC SUPPLY	[ ] INDUSTRIAL	[ ] AIR CONDITIONING	[ ] OTHER (Specify)	

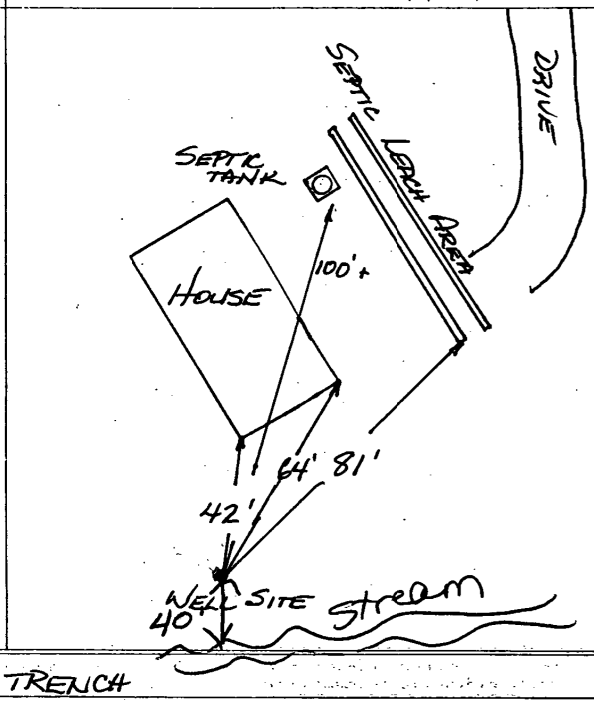
SKETCH OF WELL LOCATION

Locate well with respect to at least two roads, showing distance from intersection and front of lot.

Location of lot to at least two roads



Well location on lot and to house (if present)



Approximate number of feet from well to nearest source of possible contamination: 81' TO LEACH TRENCH

The undersigned is aware that upon completion of the well, a "Well Completion Report" containing construction details and information required under Section 25-131. of the 1969 Supplement to the General Statutes must be sent to the owner, the Board and the Water Resources Commission on the form provided by the Board. This permit is not valid until all information is filled in and it has been counter-signed by the Director of Health or his agent.

APPLICANT (Signature): Russ Schramm CWD
APPLICANT'S ADDRESS: 203-923-3119 Numa Drilling P.O. Box 348 Thompson, CT 06277
REGISTRATION NO.: 325

[x] APPROVED [ ] REJECTED
BY (Town Health Officer or Agent): W Sorrs
DATE: 9/27/90

REMARKS: approved per plan above

pd 9/26/90
Rct # 2661 ck # 4351

RETURN THIS COPY TO CONNECTICUT WELL DRILLING BOARD

WELL COMPLETION REPORT
CPR-9 REV. 11-82

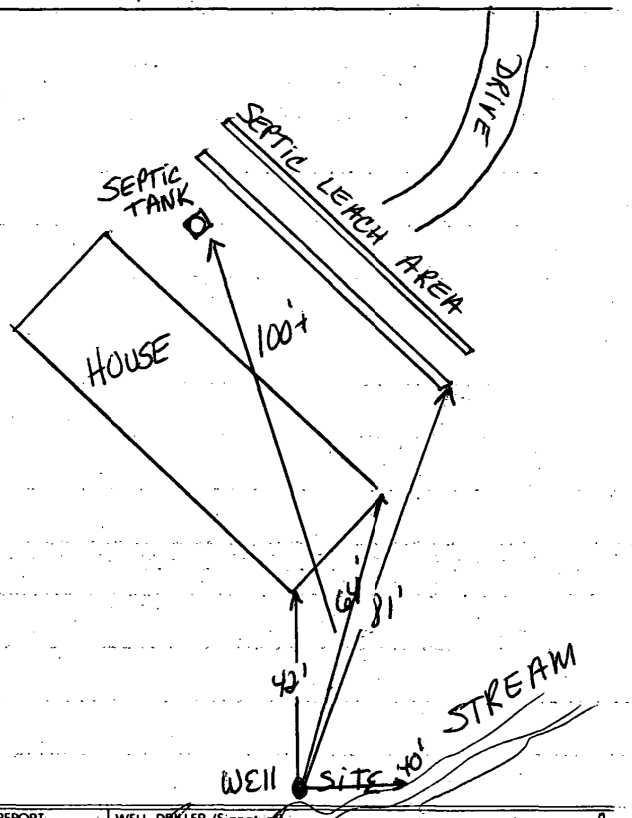
STATE OF CONNECTICUT
DEPARTMENT OF CONSUMER PROTECTION
WELL DRILLING BOARD
165 CAPITOL AVE.
HARTFORD, CONNECTICUT 06106

Do NOT fill in
STATE WELL NO.
OTHER NO.

OWNER	NAME: HENRY MALINOWSKI, JR. (No. & Street)	ADDRESS: 175 BLOOMINGDALE RD. QUAKER HILL, CT. 06375 (Town) (Lot Number)	
LOCATION OF WELL	MOXLEY RD. MONTVILLE, CT.	LOT#1	
PROPOSED USE OF WELL	[X] DOMESTIC [ ] BUSINESS ESTABLISHMENT [ ] FARM [ ] TEST WELL	[ ] PUBLIC SUPPLY [ ] INDUSTRIAL [ ] AIR CONDITIONING [ ] OTHER (Specify)	
DRILLING EQUIPMENT	[ ] ROTARY [X] COMPRESSED AIR PERCUSSION [ ] CABLE PERCUSSION [ ] OTHER (Specify)		
CASING DETAILS	LENGTH (feet): 20' DIAMETER (inches): 6" WEIGHT PER FOOT: 17LBS [X] THREADED [ ] WELDED	DRIVE SHOE [X] YES [ ] NO	WAS CASING GROUTED? [X] YES [ ] NO
YIELD TEST	[ ] BAILED [ ] PUMPED [X] COMPRESSED AIR	HOURS: 4	YIELD (G.P.M.): 5.25
WATER LEVEL	MEASURE FROM LAND SURFACE—STATIC (Specify feet): 20	DURING YIELD TEST (feet): 120	Depth of Completed Well in feet below Land surface: 140
SCREEN DETAILS	MAKE		LENGTH OPEN TO AQUIFER (feet)
	SLOT SIZE	DIAMETER (inches)	IF GRAVEL PACKED: Diameter of well including gravel pack (inches): GRAVEL SIZE (inches) FROM (feet) TO (feet)

DEPTH FROM LAND SURFACE FEET TO FEET		FORMATION DESCRIPTION
1	10	SAND & GRAVEL
10	20	BEIGE
25	30	ORANGE
30	140	GREY

Sketch exact location of well with distances, to at least two permanent landmarks.



If yield was tested at different depths during drilling, list below

FEET	GALLONS PER MINUTE

DATE WELL COMPLETED	PERMIT NO.	REGISTRATION NO.	DATE OF REPORT	WELL DRILLER (Signature)
10/02/90	144401	325	10/17/90	Ted Lemaud

BOARD

CPR-8 Rev. 7/95

OCT 13 1995

PERMIT NUMBER 173613

STATE OF CONNECTICUT
DEPARTMENT OF CONSUMER PROTECTION
REAL ESTATE & PROFESSIONAL TRADES DIVISION

WELL DRILLING PERMIT

165 Capitol Avenue, Hartford, Connecticut 06106

LOCATION OF WELL (Town) MONTVILLE (Street) MOXLEY Rd (Lot Number) 132 — DATE 10-12-95

OWNER OF WELL IRVING HOLMES ☑ INDIVIDUAL ☐ BUILDER ☐ OTHER (Specify)

OWNER'S ADDRESS 132 MOXLEY Rd Uncasville CT 06382

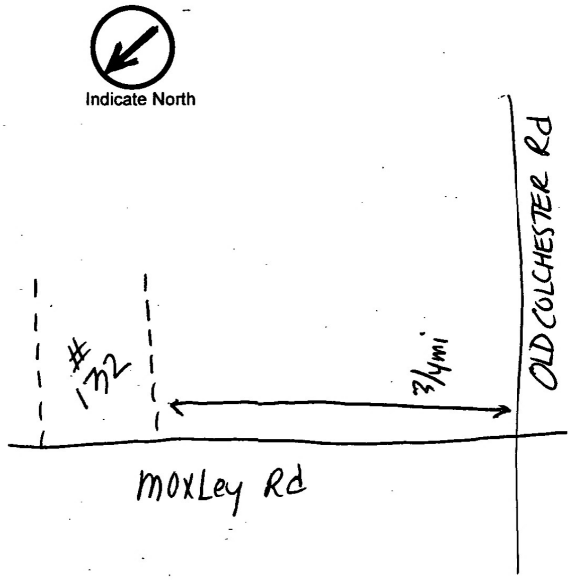
PROPOSED USE OF WELL: ☑ DOMESTIC ☐ BUSINESS ESTABLISHMENT ☐ FARM ☐ TEST WELL ☐ PUBLIC SUPPLY ☐ INDUSTRIAL ☐ AIR CONDITIONING ☐ OTHER (Specify)

Est. No. of People being served. 4

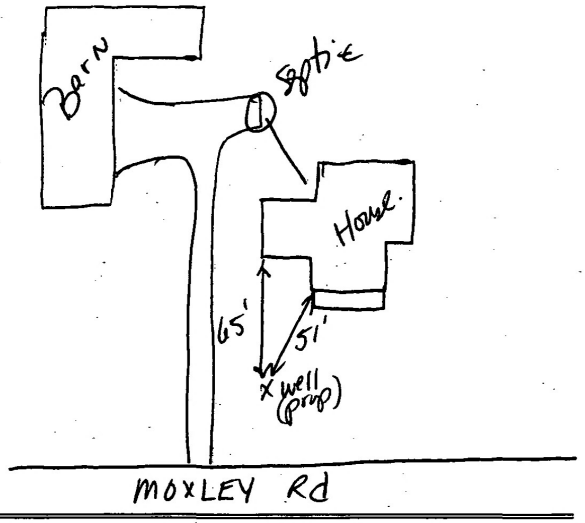
SKETCH OF WELL LOCATION

Locate well with respect to at least two roads, showing distance from intersection and front of lot

location of lot to at least two roads



Well location on to and to house (if present)



Approximate number of feet from well to nearest source of possible contamination: 75'+

The undersigned is aware that upon completion of the well, a "Well Completion Report" containing construction details and information required under Section 25-131 of the 1969 Supplement to the General Statutes must be sent to the owner, the Department of Consumer Protection and the Water Resources Commission on the form provided by the agency. This permit is not valid until all information is filled in and it has been counter-signed by the Director of Health or his agent.

APPLICANT (Signature)	APPLICANT'S ADDRESS	REGISTRATION NO.
Lafram BOISE Well Drilling	P.O. Box 303 Thompson CT 06277	13
☑ APPROVED ☐ REJECTED	BY (Town Health Officer or Agent)	DATE 10/16/95

REMARKS

Ck# 3030 - #30-00 - RGC#5717

RETURN THIS COPY TO DEPARTMENT OF CONSUMER PROTECTION

CPR-9 Rev. 7/95

STATE OF CONNECTICUT
DEPARTMENT OF CONSUMER PROTECTION
REAL ESTATE & PROFESSIONAL TRADES DIVISION
WELL DRILLING COMPLETION REPORT
165 Capitol Avenue, Hartford, Connecticut 06106

Do NOT fill in
STATE WELL NO.
OTHER NO.

OWNER — NAME: IRVING HOLMES — ADDRESS: 132 MOXLEY Rd Uncasville CT

LOCATION OF WELL — (No. & Street) 132 MOXLEY Rd (Town) Uncasville CT (Lot Number) 06382

PROPOSED USE OF WELL — ☑ DOMESTIC ☐ BUSINESS ESTABLISHMENT ☐ FARM ☐ TEST WELL ☐ PUBLIC SUPPLY ☐ INDUSTRIAL ☐ AIR CONDITIONING ☐ OTHER (Specify)

DRILLING EQUIPMENT — ☐ ROTARY ☐ COMPRESSED AIR PERCUSSION ☑ CABLE PERCUSSION ☐ OTHER (Specify)

CASING DETAILS

LENGTH (feet)	DIAMETER (inches)	WEIGHT PER FOOT			DRIVE SHOE	WAS CASING GROUTED?
20	7	22	☑ THREADED	☐ WELDED	☑ YES ☐ NO	☑ YES ☐ NO

YIELD TEST — ☑ BAILED ☐ PUMPED ☐ COMPRESSED AIR — HOURS: 4 — YIELD (GPM): 9

WATER LEVEL

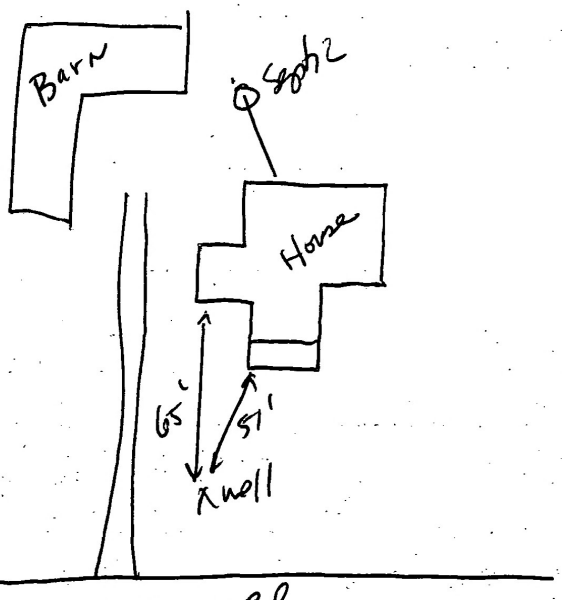
MEASURE FROM LAND SURFACE - STATIC (Specify feet)	DURING YIELD TEST (feet)	Depth of Completed Well in feet
10	80	80

SCREEN DETAILS

MAKE					LENGTH OPEN TO AQUIFER (feet)	
SLOT SIZE	DIAMETER (inches)	IF GRAVEL PACKED:	Diameter of well including gravel pack (inches)	GRAVEL SIZE (inches)	FROM (feet)	TO (feet)

DEPTH FROM LAND TO SURFACE FEET TO FEET		FORMATION DESCRIPTION
0	7	Topsoil, Gravel
7	80	Bedrock

Sketch exact location of well with distances, to at least two permanent landmarks



If yield was tested at different depths during drilling, list below

FEET	GALLONS PER MINUTE

DATE WELL COMPLETED	PERMIT NO.	REGISTRATION NO.	DATE OF REPORT	WELL DRILLER (Signature)
2-16-96	173613	13	2/16/96	

AGENCY

CPR-8 Rev. 7/95

PERMIT NUMBER
172887

STATE OF CONNECTICUT
DEPARTMENT OF CONSUMER PROTECTION
REAL ESTATE & PROFESSIONAL TRADES DIVISION

WELL DRILLING PERMIT

165 Capitol Avenue, Hartford, Connecticut 06106

LOCATION OF WELL (Town) (Street) (Lot Number): MONTVILLE CT 107A KITTMAN RD — DATE: 11/16/95

OWNER OF WELL: ☒ INDIVIDUAL ☐ BUILDER ☐ OTHER (Specify) JOHN SYRAGAKIS

OWNER'S ADDRESS: 230 CRYSTAL LAKE RD GROTON CT

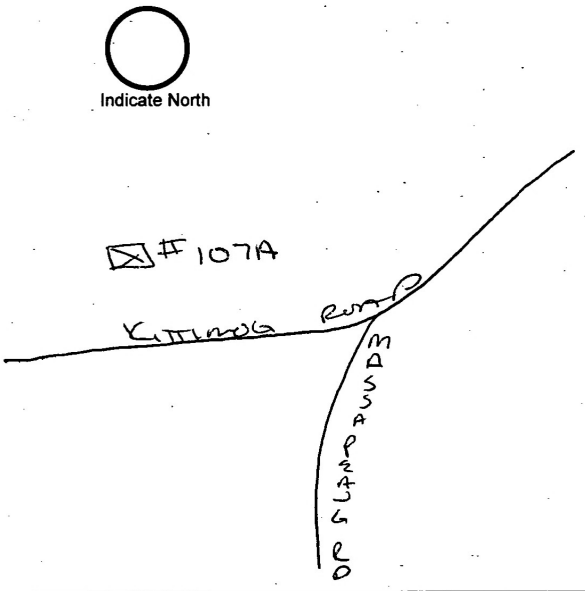
PROPOSED USE OF WELL: ☒ DOMESTIC ☐ BUSINESS ESTABLISHMENT ☐ FARM ☐ TEST WELL ☐ PUBLIC SUPPLY ☐ INDUSTRIAL ☐ AIR CONDITIONING ☐ OTHER (Specify)

Est. No. of People being served: ONE FAMILY

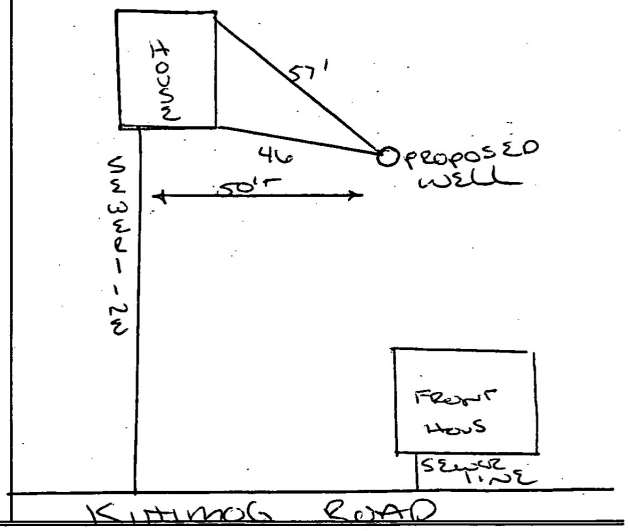
SKETCH OF WELL LOCATION

Locate well with respect to at least two roads, showing distance from intersection and front of lot

location of lot to at least two roads



Well location on to and to house (if present)



Approximate number of feet from well to nearest source of possible contamination:

The undersigned is aware that upon completion of the well, a "Well Completion Report" containing construction details and information required under Section 25-131 of the 1969 Supplement to the General Statutes must be sent to the owner, the Department of Consumer Protection and the Water Resources Commission on the form provided by the agency. This permit is not valid until all information is filled in and it has been counter-signed by the Director of Health or his agent. TONYS WELL DRILLING INC 859-1035

APPLICANT (Signature)	APPLICANT'S ADDRESS	REGISTRATION NO.
[signature]	27 BUCKLEY RD Salem	039
☒ APPROVED ☐ REJECTED	BY (Town Health Officer or Agent) [signature]	DATE 11/17/95

REMARKS

CK# 4393 - $30.00 - Lot # 5766

RETURN THIS COPY TO DEPARTMENT OF CONSUMER PROTECTION

CONSUMER PROTECTION
WELL DRILLING BOARD
CPR-8 REV. 11-82

STATE OF CONNECTICUT
DEPARTMENT OF CONSUMER PROTECTION
WELL DRILLING PERMIT
165 CAPITOL AVE., HARTFORD, CONNECTICUT 06106

PERMIT NUMBER
150151

MONTVILLE — MOXLEY Rd — 135
LOCATION OF WELL (Town) (Street) (Lot Number) DATE 10-4-91

OWNER OF WELL
Phillip CLARK
☑ INDIVIDUAL ☐ BUILDER ☐ OTHER (Specify)

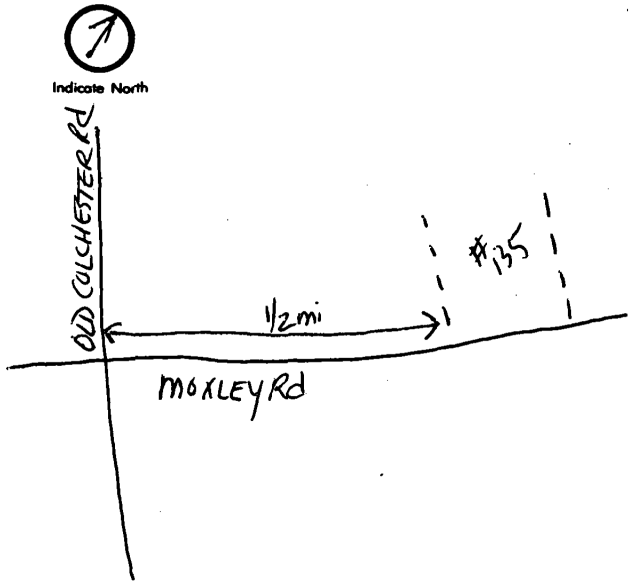
OWNER'S ADDRESS
135 MOXLEY Rd ~~EAST~~ UNCASVILLE CT 06382

PROPOSED USE OF WELL					Est. No. of People being served.
	☑ DOMESTIC	☐ BUSINESS ESTABLISHMENT	☐ FARM	☐ TEST WELL	
	☐ PUBLIC SUPPLY	☐ INDUSTRIAL	☐ AIR CONDITIONING	☐ OTHER (Specify)	4

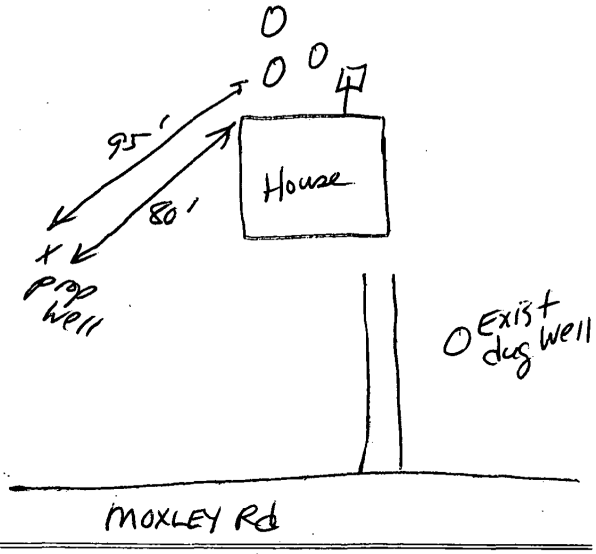
SKETCH OF WELL LOCATION

Locate well with respect to at least two roads, showing distance from intersection and front of lot

Location of lot to at least two roads



Well location on lot and to house (if present)



Approximate number of feet from well to nearest source of possible contamination: 95'

The undersigned is aware that upon completion of the well, a "Well Completion Report" containing construction details and information required under Section 25-131 of the 1969 Supplement to the General Statutes must be sent to the owner, the Board and the Water Resources Commission on the form provided by the Board. This permit is not valid until all information is filled in and it has been counter-signed by the Director of Health or his agent.

APPLICANT (Signature) Carl Thomas Clark — APPLICANT'S ADDRESS P.O. Box 303 Thompson CT 06277 — REGISTRATION NO. 3

☑ APPROVED ☐ REJECTED — BY (Town Health ~~Officer or~~ Agent) Gary Andrews — DATE 10/9/91

REMARKS
* DUG WELL TO BE FILLED IN AFTER THE NEW IS COMPLETED

10/7/91
pdck#1534 rec#3245

RETURN THIS COPY TO CONNECTICUT WELL DRILLING BOARD

WELL COMPLETION REPORT
CPR-9 REV. 11-82

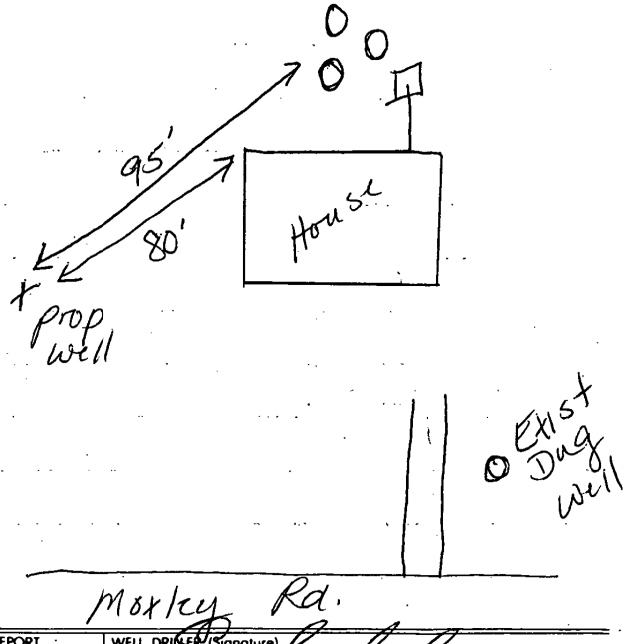
STATE OF CONNECTICUT
DEPARTMENT OF CONSUMER PROTECTION
WELL DRILLING BOARD
165 CAPITOL AVE.
HARTFORD, CONNECTICUT 06106

Do NOT fill in
STATE WELL NO.
OTHER NO.

OWNER	NAME: Phillip Clark	ADDRESS: 135 Moxley Road, Uncasville, Ct. 96382	
LOCATION OF WELL	(No. & Street): Moxley Road	(Town): Montville, Ct.	(Lot Number): #135
PROPOSED USE OF WELL	[X] DOMESTIC; [ ] BUSINESS ESTABLISHMENT; [ ] FARM; [ ] TEST WELL; [ ] PUBLIC SUPPLY; [ ] INDUSTRIAL; [ ] AIR CONDITIONING; [ ] OTHER (Specify)		
DRILLING EQUIPMENT	[ ] ROTARY; [X] COMPRESSED AIR PERCUSSION; [ ] CABLE PERCUSSION; [ ] OTHER (Specify)		
CASING DETAILS	LENGTH (feet): 20; DIAMETER (inches): 6; WEIGHT PER FOOT: 17; [X] THREADED [ ] WELDED; DRIVE SHOE [X] YES [ ] NO; WAS CASING GROUTED? [X] YES [ ] NO		
YIELD TEST	[ ] BAILED; [ ] PUMPED; [X] COMPRESSED AIR; HOURS: 4; YIELD (G.P.M.): 5		
WATER LEVEL	MEASURE FROM LAND SURFACE—STATIC (Specify feet): 20; DURING YIELD TEST (feet): 500; Depth of Completed Well in feet below Land surface: 500		
SCREEN DETAILS	MAKE: ; LENGTH OPEN TO AQUIFER (feet): ; SLOT SIZE: ; DIAMETER (inches): ; IF GRAVEL PACKED: ; Diameter of well including gravel pack (inches): ; GRAVEL SIZE (inches): ; FROM (feet): ; TO (feet):		

DEPTH FROM LAND SURFACE FEET TO FEET		FORMATION DESCRIPTION
0	8	Gravel Overburden
8	500	Gray Rock

Sketch exact location of well with distances, to at least two permanent landmarks.



If yield was tested at different depths during drilling, list below

FEET	GALLONS PER MINUTE

DATE WELL COMPLETED	PERMIT NO.	REGISTRATION NO.	DATE OF REPORT	WELL DRILLER (Signature)
10/23/91	150151	3	11/11/91	

BOARD

WELL DRILLING BOARD
WDB-4 11-69

STATE OF CONNECTICUT
WELL DRILLING PERMIT
STATE OFFICE BUILDING, HARTFORD, CONNECTICUT 06115

PERMIT NUMBER
17811

Montville Moxley Hill Rd.
LOCATION OF WELL (Town) (Street) (Lot Number) DATE 7-18-73

Donald Johnson
OWNER OF WELL

☒ INDIVIDUAL ☐ BUILDER ☐ OTHER (Specify)

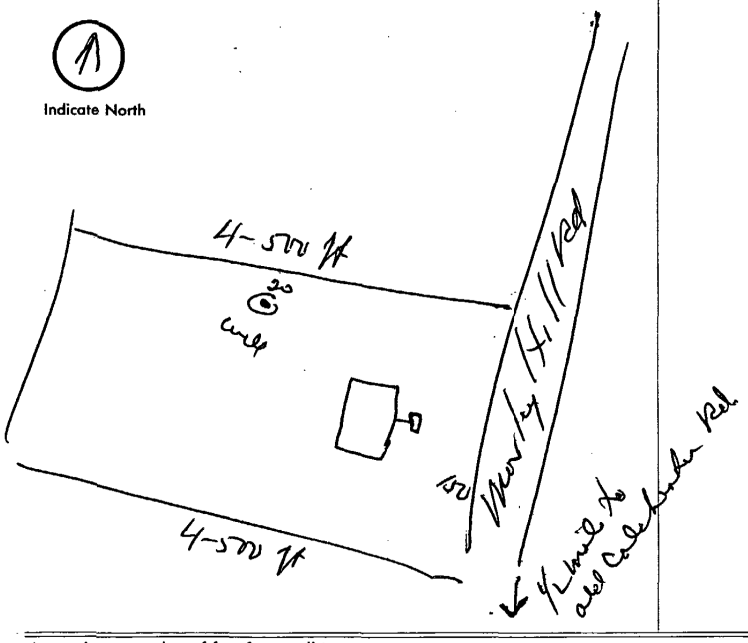
OWNER'S ADDRESS 7 Varlelas Drive Uncasville Ct

PROPOSED USE OF WELL					Est. No. of People being served.
	☒ DOMESTIC	☐ BUSINESS ESTABLISHMENT	☐ FARM	☐ TEST WELL	4
	☐ PUBLIC SUPPLY	☐ INDUSTRIAL	☐ AIR CONDITIONING	☐ OTHER (Specify)	

SKETCH OF WELL LOCATION

Locate well with respect to at least two roads, showing distance from intersection and front of lot

Location of lot to at least two roads | Well location on lot and to house (if present)



Approximate number of feet from well to nearest source of possible contamination: 120 ft Septic.

The undersigned is aware that upon completion of the well, a "Well Completion Report" containing construction details and information required under Section 25-131 of the 1969 Supplement to the General Statutes must be sent to the owner, the Board and the Water Resources Commission on the form provided by the Board. This permit is not valid until all information is filled in and it has been counter-signed by the Director of Health or his agent.

APPLICANT (Signature)	APPLICANT'S ADDRESS	REGISTRATION NO.
Carl Anderson	24 Westcomus Ter. New London Ct	165
☒ APPROVED ☐ REJECTED	BY (Town Health Officer or Agent)	DATE
REMARKS		7/23/73

RETURN THIS COPY TO CONNECTICUT WELL DRILLING BOARD

WELL COMPLETION REPORT
WDB-5 12-69 REV. 9-71

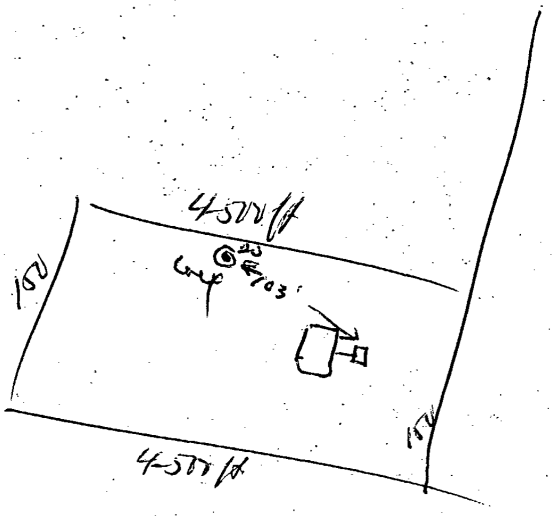
STATE OF CONNECTICUT
WELL DRILLING BOARD
State Office Building
HARTFORD, CONNECTICUT 06115

Do NOT fill in
STATE WELL NO.
OTHER NO.

OWNER	NAME Donald Johnson	ADDRESS 7 Varkelas Drive Uncasville Ct		
LOCATION OF WELL	(No. & Street) Morley Hill Rd.	(Town) Montville	CT	(Lot Number) —
PROPOSED USE OF WELL	☒ DOMESTIC ☐ BUSINESS ESTABLISHMENT ☐ FARM ☐ TEST WELL	☐ PUBLIC SUPPLY ☐ INDUSTRIAL ☐ AIR CONDITIONING ☐ OTHER (Specify)		
DRILLING EQUIPMENT	☐ ROTARY ☒ COMPRESSED AIR PERCUSSION ☐ CABLE PERCUSSION ☐ OTHER (Specify)			
CASING DETAILS	LENGTH (feet) 22'6	DIAMETER (inches) 6	WEIGHT PER FOOT 17	☒ THREADED ☐ WELDED
	DRIVE SHOE ☒ YES ☐ NO	WAS CASING GROUTED? ☐ YES ☒ NO		
YIELD TEST	☐ BAILED ☐ PUMPED ☒ COMPRESSED AIR	HOURS 4	YIELD (G.P.M.) 25	
WATER LEVEL	MEASURE FROM LAND SURFACE—STATIC (Specify feet) 10	DURING YIELD TEST (feet) —	Depth of Completed Well in feet below Land surface: 150	
SCREEN DETAILS	MAKE		LENGTH OPEN TO AQUIFER (feet)	
	SLOT SIZE	DIAMETER (inches)	IF GRAVEL PACKED:	Diameter of well including gravel pack (inches):
	GRAVEL SIZE (inches)	FROM (feet)	TO (feet)	

DEPTH FROM LAND SURFACE FEET	to FEET	FORMATION DESCRIPTION
0	15	Soil, gravel
15	150	Gray granite
		Cut Drilled seams 135 X 150
		water came in murky, but
		clarified with pumping.

Sketch exact location of well with distances, to at least two permanent landmarks.



If yield was tested at different depths during drilling, list below

FEET	GALLONS PER MINUTE
100	1½
150	25

DATE WELL COMPLETED	PERMIT NO.	REGISTRATION NO.	DATE OF REPORT	WELL DRILLER (Signature)
7-25-73	7811	165	7-25-73	Carl Johnson

BOARD

CPR-8 Rev. 7/95

PERMIT NUMBER
191783

STATE OF CONNECTICUT
DEPARTMENT OF CONSUMER PROTECTION
REAL ESTATE & PROFESSIONAL TRADES DIVISION

WELL DRILLING PERMIT

165 Capitol Avenue, Hartford, Connecticut 06106

LOCATION OF WELL (Town) MONTVILLE (Street) MOXLEY Rd (Lot Number) # 119 DATE 12/21/98

OWNER OF WELL Lenny + Diane LaneNeal ☑ INDIVIDUAL ☐ BUILDER ☐ OTHER (Specify)

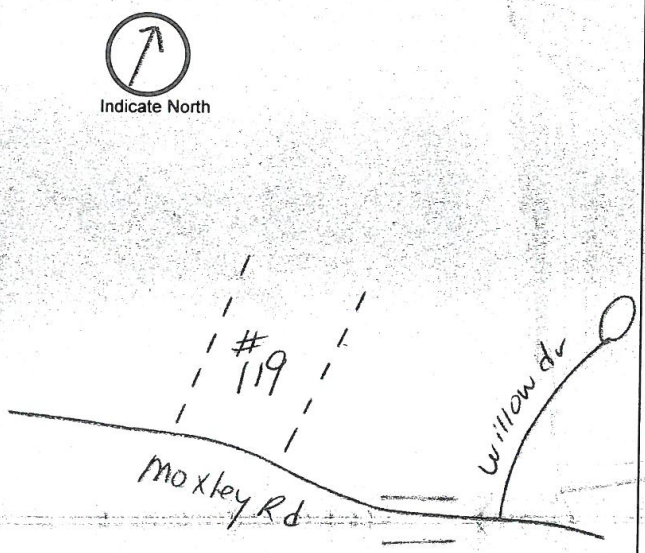
OWNER'S ADDRESS 119 Moxley Rd Uncasville CT 06382

PROPOSED USE OF WELL					Est. No. of People being served.
☑ DOMESTIC	☐ BUSINESS ESTABLISHMENT	☐ FARM	☐ TEST WELL		4
☐ PUBLIC SUPPLY	☐ INDUSTRIAL	☐ AIR CONDITIONING	☐ OTHER (Specify)		

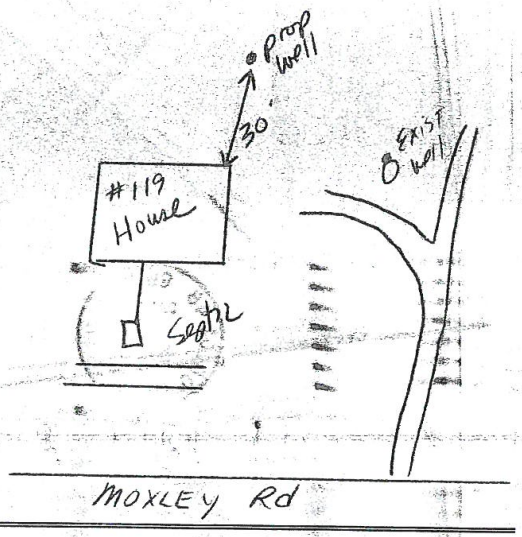
SKETCH OF WELL LOCATION

Locate well with respect to at least two roads, showing distance from intersection and front of lot

location of lot to at least two roads



Well location on to and to house (if present)



Approximate number of feet from well to nearest source of possible contamination: 75'+

The undersigned is aware that upon completion of the well, a "Well Completion Report" containing construction details and information required under Section 25-131 of the 1969 Supplement to the General Statutes must be sent to the owner, the Department of Consumer Protection and the Water Resources Commission on the form provided by the agency. This permit is not valid until all information is filled in and it has been counter-signed by the Director of Health or his agent.

APPLICANT (Signature) LaFrambois Well Drilling	APPLICANT'S ADDRESS P.O. Box 303 Thompson CT 06277	REGISTRATION NO. 13
☐ APPROVED ☐ REJECTED	BY (Town Health Officer or Agent) - Director of Health	DATE 12/31/98

REMARKS
12/23 $30.00 CK#4098, L7
Rec# 7617

DIRECTOR OF HEALTH

-9 Rev. 7/95

RECEIVED FEB 26 1999

STATE OF CONNECTICUT
DEPARTMENT OF CONSUMER PROTECTION
REAL ESTATE & PROFESSIONAL TRADES DIVISION

WELL DRILLING COMPLETION REPORT

165 Capitol Avenue, Hartford, Connecticut 06106

Do NOT fill in
STATE WELL NO.
OTHER NO.

OWNER — NAME: Lenny Lenellen — ADDRESS: 119 Morley Rd Montville CT 06382

LOCATION OF WELL — (No. & Street) 119 Morley Rd (Town) Montville (Lot Number)

PROPOSED USE OF WELL — [✓] DOMESTIC [ ] BUSINESS ESTABLISHMENT [ ] FARM [ ] TEST WELL [ ] PUBLIC SUPPLY [ ] INDUSTRIAL [ ] AIR CONDITIONING [ ] OTHER (Specify)

DRILLING EQUIPMENT — [ ] ROTARY [✓] COMPRESSED AIR PERCUSSION [ ] CABLE PERCUSSION [ ] OTHER (Specify)

CASING DETAILS — LENGTH (feet): 20 | DIAMETER (inches): 6 | WEIGHT PER FOOT: 17 | [✓] THREADED [ ] WELDED | DRIVE SHOE [✓] YES [ ] NO | WAS CASING GROUTED? [✓] YES [ ] NO

YIELD TEST — [ ] BAILED [ ] PUMPED [✓] COMPRESSED AIR | HOURS: 4 | YIELD (GPM): 8

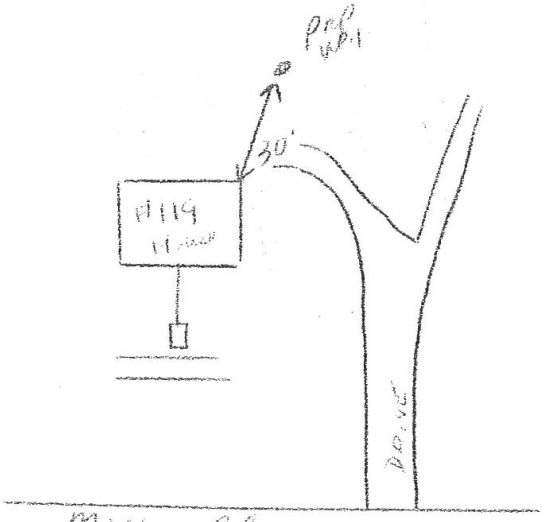
WATER LEVEL — MEASURE FROM LAND SURFACE - STATIC (Specify feet): 20 | DURING YIELD TEST (feet): 400 | Depth of Completed Well in feet: 400

SCREEN DETAILS — MAKE: | LENGTH OPEN TO AQUIFER (feet):

SLOT SIZE	DIAMETER (inches)	IF GRAVEL PACKED:	Diameter of well including gravel pack (inches)	GRAVEL SIZE (inches)	FROM (feet)	TO (feet)

DEPTH FROM LAND TO SURFACE FEET TO FEET		FORMATION DESCRIPTION
0	12	Topsoil, Gravel
12	400	Bedrock

Sketch exact location of well with distances, to at least two permanent landmarks



If yield was tested at different depths during drilling, list below

FEET	GALLONS PER MINUTE

DATE WELL COMPLETED	PERMIT NO.	REGISTRATION NO.	DATE OF REPORT	WELL DRILLER (Signature)
2-19-99	191253	13	2/23/99	

LOCAL DIRECTOR OF HEALTH

THAMES TESTING LABORATORY

118 Riverview Avenue
New London, Connecticut 06320
State of Connecticut License: PH0184
Phone: 860-443-3211 Fax: 860-437-3719

Report To: Diane Lewellen
119 Moxley Rd
Uncasville, CT 06382 ***Phone:*** 848-1474

Owner of Well: Diane Lewellen
Location: 119 Moxley Rd
Uncasville, CT 06382

Description of water: Dug Well ***Treatment, if any:*** Chlorination ***Sampler:*** Client
Date and Time Sampled: 3:30 p. m. 1-22-97 ***Accession #:*** 448

Check	Test	Results	Limits*
■	COLIFORM BACTERIA	Absent	Absent
□	COLOR-APPARENT		15 STANDARD UNITS (AL)
□	TURBIDITY		5 NTU (AL)
□	ODOR		2 (AL)
□	pH		6.4 - 8.5 (AL)
□	IRON		0.3 mg/L (AL)
□	MANGANESE		0.05 mg/L (AL)
□	COPPER		1.3 mg/L (AL)
□	SODIUM		28 mg/L (AL)
□	CHLORIDE		250.0 mg/L (MCL)
□	NITRITE-NITROGEN		1.0 mg/L (MCL)
□	NITRATE-NITROGEN PLUS NITRITE-NITROGEN		10 mg/L (MCL)
□	HARDNESS (as $CaCO_3$)		200 mg/L (AL)
□	MBAS (Surfactant)		0.5 mg/L (AL)

*AL, or **Advisory Level**, is a level of a parameter that when exceeded makes the water undesirable for use, with the exception of pH where an acceptable range is defined. **MCL**, or **Maximum Contaminant Level**, is the highest allowable level above which treatment or notice is required prior to use of water for drinking purposes. MCL of coliform is exceeded when there is a presence of total coliform in any 100 milliliter of sample.

Comments: Coliform bacteria level is acceptable by State of Connecticut guidelines.

[signature] PhD 1/24/97
Laboratory Director Date

House Area
Septic & Leaching Field
119 Mosley Rd, Lebanon St
Uncasville
1" = 1'
1/16
House
25'
1,000 gal. Tank
4' wide trench
4" stone under
2" stone on top
12' apart
4' wide trench
82½' long
82½' long

Bill & Kris Kheumee
Lot # 19A 1996 (Leonard & Diana Lewellen)
119 Moxley Rd, Uncasville
Lot 37
±4.5 acres
DRILLED WELL
33' DEEP WOOD
SEPTIC SYSTEM
30' FROM HOUSE
30'X30' PROPOSED
GARAGE 3' BACK FROM
EITHER SIDE AND 35' FROM
BOUNDARY LINE
Willow Drive
Moxley Rd
House A: 10 back from road = 138' 8"
③distance left side from border = 155"
Ⓑ distance from shed C = 85' 5"
Ⓢ distance from right side border = 146'
A = EXISTING HOUSE
C = Old / Existing Shed
1" = 200'

Permit Number: 180115

(for Driller's Use)

This report must be submitted to the CT Well Drilling board no later than 60 days after the completion of the well.

State of Connecticut
DEPARTMENT OF CONSUMER PROTECTION
Well Drilling Board
165 Capitol Ave.
Hartford, Connecticut 06106

Staff use Only PF
No._____ Elev. _____ OCT 10 1997
Quad _____
__ 62,500 __ 25,000 __24,000

Latitude ____o____'___
Longitude ____o____'___

WELL COMPLETION REPORT

A LOCATION MAP MUST BE ATTACHED TO THIS FORM

1. Well/Home Owner Name: **AINSLIE , STEVE** Permanent Mailing Address **120 MOXLEY ROAD**
and/or **UNCASVILLE CT 06382**
Building Contractor Name: **AINSLIE , STEVE**

2. Location of Well: Town **UNCASVILLE** Road **120 MOXLEY ROAD**
State: **CT** Lot #
Map: Parcel:

3. Date Well Completed **10/7/97**

4. Proposed Use of Well: **Domestic**

5. Reason for Construction **New Supply**

6. Type of Well: **Drill in Bedrock**

7. Total Depth of Well **305** feet below land surface

8. Depth to Bedrock **10** Feet

9. Casing Details Length **20** Ft., Dia **6** in., Material **Steel** Wt **17** lb/ft

10. Method of Sealing Casing to Bedrock **Drive Shoe**

11. Yield Test **Compressed Air** for **4** hrs. at **2** GPM

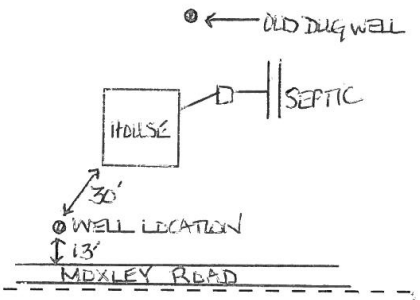
12. Static Water Level **30** feet below land surface Date Measured **10/7/97**

13. Water Analysis: Has the water been analyzed **No** If yes, where

14. Screen Details: Make Type: Material Length ft.
Diameter in. Slot size: Depth to top of screen from land surface
Gravel Pack, if used: Gravel Size or Type

15. Well Log:

From	To	Water Bearing	Formation Description
0	10	No	SANDY GRAVEL
10	180	No	BROWN GRANITE SCHIST
180	200	No	GRAY GRANITE SCHIST
200	220	No	BROWN GRANITE SCHIST
220	305	Yes	GRAY GRANITE SCHIST



16. Tested Yield:
If the yield tested at different depths during drilling, list below

Feet	GPM
75	1
210	1

Doing Business as **TONY'S WELL DRILLING, INC**

Report Filed by Antonio Iacomello
Authorized Signature

Permit Number: 180115

(for Driller's Use)

This report must be submitted to the CT Well Drilling board no later than 60 days after the completion of the well.

17. Additional Information

Permit # **180115**

State of Connecticut
DEPARTMENT OF CONSUMER PROTECTION
Well Drilling Board
165 Capitol Ave.
Hartford, Connecticut 06106

WELL COMPLETION REPORT

Staff use Only

No._____ Elev. _____ OCT 10 1997

Quad _____

__ 62,500 __ 25,000 __24,000

Latitude _____o_____'____

Longitude _____o_____'____

Date of Report 10/8/97

License No. 041

Provide copies to: 1) Well Drilling Board, 2) Dept of Environmental Protection
3) Property Owner, 4) Driller, 5) Local Director of Health

CPR-8 Rev. 7/95

PERMIT NUMBER
180115

STATE OF CONNECTICUT
DEPARTMENT OF CONSUMER PROTECTION
REAL ESTATE & PROFESSIONAL TRADES DIVISION

WELL DRILLING PERMIT

165 Capitol Avenue, Hartford, Connecticut 06106

LOCATION OF WELL (Town) UNCASVILLE (Street) 120 MOXLEY ROAD (Lot Number) — DATE 8/25/97

OWNER OF WELL — ☑ INDIVIDUAL ☐ BUILDER ☐ OTHER (Specify) STEVE AINSLIE

OWNER'S ADDRESS 120 MOXLEY ROAD UNCASVILLE 06382

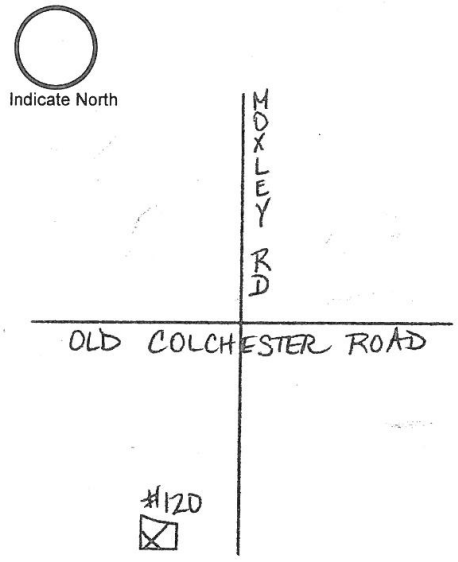
PROPOSED USE OF WELL — ☑ DOMESTIC ☐ BUSINESS ESTABLISHMENT ☐ FARM ☐ TEST WELL ☐ PUBLIC SUPPLY ☐ INDUSTRIAL ☐ AIR CONDITIONING ☐ OTHER (Specify)

Est. No. of People being served. ONE FAMILY

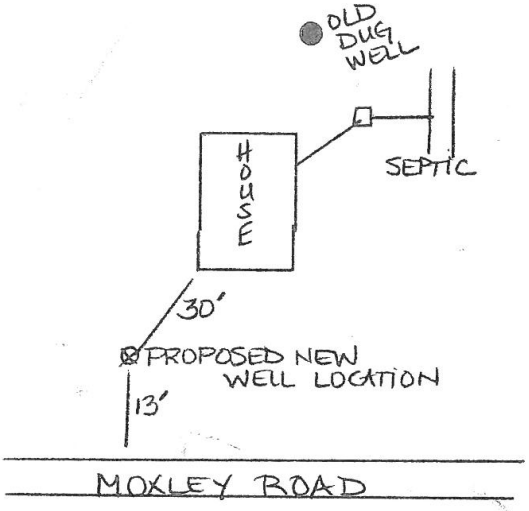
SKETCH OF WELL LOCATION

Locate well with respect to at least two roads, showing distance from intersection and front of lot

location of lot to at least two roads



Well location on to and to house (if present)



Approximate number of feet from well to nearest source of possible contamination:

The undersigned is aware that upon completion of the well, a "Well Completion Report" containing construction details and information required under Section 25-131 of the 1969 Supplement to the General Statutes must be sent to the owner, the Department of Consumer Protection and the Water Resources Commission on the form provided by the agency. This permit is not valid until all information is filled in and it has been counter-signed by the Director of Health or his agent.

APPLICANT (Signature) — APPLICANT'S ADDRESS TONY'S WELL DRILLING INC. 376 BUTLERTOWN RD. OAKDALE, CT 06370 — REGISTRATION NO. WI 039

☐ APPROVED ☐ REJECTED — BY (Town Health Officer or Agent) Director of Health — DATE 8/28/97

REMARKS 8/25/97 rec# 6810 ck# 1005 EXISTING DUG WELL TO BE ABANDONED IN ACCORDANCE WITH THE STATE OF CONN WELL DRILLING REGULATIONS UNLESS THE OWNER WILL CONTINUE TO USE THE WELL

DIRECTOR OF HEALTH

CPR-8 Rev. 7/95

PERMIT NUMBER
196433

STATE OF CONNECTICUT
DEPARTMENT OF CONSUMER PROTECTION
REAL ESTATE & PROFESSIONAL TRADES DIVISION

WELL DRILLING PERMIT

165 Capitol Avenue, Hartford, Connecticut 06106

EXISTING Dug well is Dry

LOCATION OF WELL (Town) MONTVILLE (Street) MOXLEY Rd (Lot Number) 124 DATE 7/30/99

OWNER OF WELL BRIAN Reed ☑ INDIVIDUAL ☐ BUILDER ☐ OTHER (Specify)

OWNER'S ADDRESS P.O. 454 QUAKER HILL CT 06375

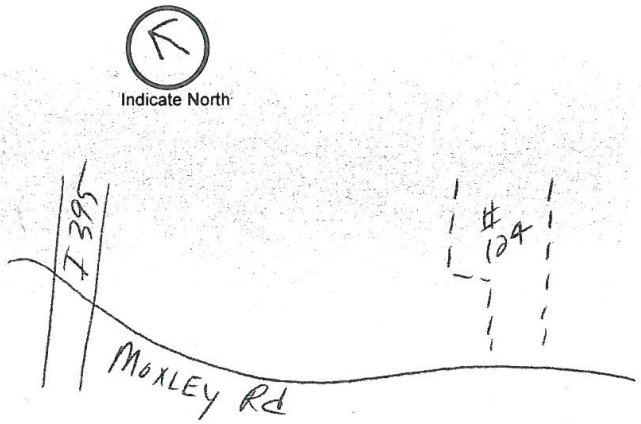
PROPOSED USE OF WELL: ☑ DOMESTIC ☐ BUSINESS ESTABLISHMENT ☐ FARM ☐ TEST WELL ☐ PUBLIC SUPPLY ☐ INDUSTRIAL ☐ AIR CONDITIONING ☐ OTHER (Specify)

Est. No. of People being served. 4

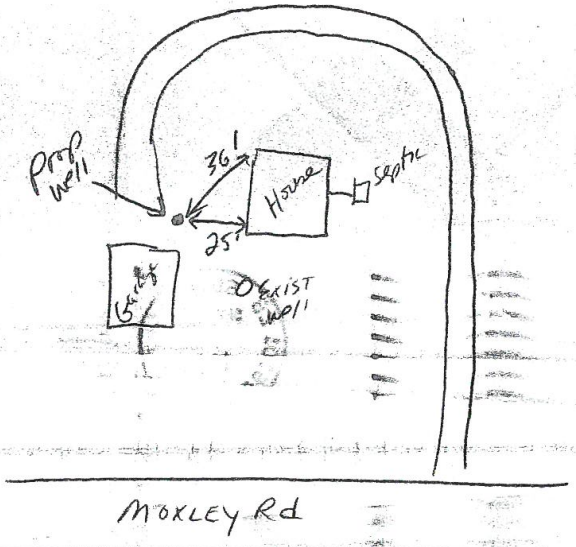
SKETCH OF WELL LOCATION

Locate well with respect to at least two roads, showing distance from intersection and front of lot

location of lot to at least two roads



Well location on to and to house (if present)



Approximate number of feet from well to nearest source of possible contamination: 75'+

The undersigned is aware that upon completion of the well, a "Well Completion Report" containing construction details and information required under Section 25-131 of the 1969 Supplement to the General Statutes must be sent to the owner, the Department of Consumer Protection and the Water Resources Commission on the form provided by the agency. This permit is not valid until all information is filled in and it has been counter-signed by the Director of Health or his agent. LAFRAMBOISE Well Drilling

APPLICANT (Signature) [signature] APPLICANT'S ADDRESS P.O. Box 303 Thompson CT 06277 REGISTRATION NO. 13

☒ APPROVED ☐ REJECTED BY (Town Health Officer or Agent) [signature] - Director of Health DATE 8/12/95

REMARKS DUG WELL TO BE ABANDONED ACCORDING TO THE PROVISIONS OF THE STATE OF CT. PUBLIC HEALTH CODE 1326, #3099 #8032

DIRECTOR OF HEALTH

CPR-9 Rev. 7/95

STATE OF CONNECTICUT
DEPARTMENT OF CONSUMER PROTECTION
REAL ESTATE & PROFESSIONAL TRADES DIVISION
RECEIVED SEP 20 1999
WELL DRILLING COMPLETION REPORT
165 Capitol Avenue, Hartford, Connecticut 06106

Do NOT fill in	
STATE WELL NO.	
OTHER NO.	

OWNER — NAME: Brian Reed — ADDRESS: P.O. Box 159 Quaker Hill CT 06375

LOCATION OF WELL — (No. & Street): 134 Mosley Rd — (Town): Montville — (Lot Number):

PROPOSED USE OF WELL — [✓] DOMESTIC [ ] BUSINESS ESTABLISHMENT [ ] FARM [ ] TEST WELL [ ] PUBLIC SUPPLY [ ] INDUSTRIAL [ ] AIR CONDITIONING [ ] OTHER (Specify)

DRILLING EQUIPMENT — [ ] ROTARY [✓] COMPRESSED AIR PERCUSSION [ ] CABLE PERCUSSION [ ] OTHER (Specify)

CASING DETAILS

LENGTH (feet)	DIAMETER (inches)	WEIGHT PER FOOT			DRIVE SHOE		WAS CASING GROUTED?	
20	6	17	[✓] THREADED	[ ] WELDED	[✓] YES	[ ] NO	[✓] YES	[ ] NO

YIELD TEST — [ ] BAILED [ ] PUMPED [✓] COMPRESSED AIR — HOURS: 4 — YIELD (GPM): 10

WATER LEVEL

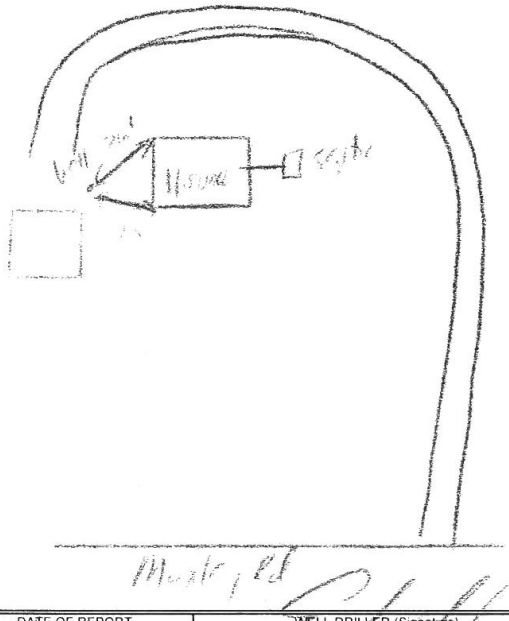
MEASURE FROM LAND SURFACE - STATIC (Specify feet)	DURING YIELD TEST (feet)	Depth of Completed Well in feet
10	120	120

SCREEN DETAILS — MAKE: — LENGTH OPEN TO AQUIFER (feet):

SLOT SIZE	DIAMETER (inches)	IF GRAVEL PACKED	Diameter of well including gravel pack (inches)	GRAVEL SIZE (inches)	FROM (feet)	TO (feet)

DEPTH FROM LAND TO SURFACE FEET TO FEET		FORMATION DESCRIPTION
0	12	Topsoil Gravel
12	120	Bedrock

Sketch exact location of well with distances, to at least two permanent landmarks



If yield was tested at different depths during drilling, list below

FEET	GALLONS PER MINUTE

DATE WELL COMPLETED	PERMIT NO.	REGISTRATION NO.	DATE OF REPORT	WELL DRILLER (Signature)
9/11/99	126178	13	9/20/99	

LOCAL DIRECTOR OF HEALTH

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

May 12, 2006

Henry Malinowski
126 Moxley Road
Montville, CT. 06353

RE: Well Water Analysis

Dear Mr. Malinowski:

Enclosed for your information are the results of water samples that were collected on March 31, 2006 from your well located at 126 Moxley Road in Montville, CT. The water samples were collected from the outside tap. The water samples were analyzed at the Department of Public Health (DPH) laboratory for reservoir metals including beryllium and thallium.

A review of the results indicates that the water sampled on March 31, 2006 is potable with respect to the parameters analyzed.

If I can provide any further information please contact me at (860) 424-3798.

Sincerely,

Michael McDaniel
Environmental Analyst 3
Remediation Division
Bureau of Water Protection and Land Reuse

Enclosures

Cc: Patrick McCormack, Director of Health, Uncasville Health District
Francesca Provenzano, State Department of Public Health, Radon Section
Gary Ginsberg, State Department of Public Health, Toxicology Section
Chuck Nicole, Northeast Utilities, 107 Selden Street, Berlin, CT. 06037
Stephen Gaura, DEP, Site Assessment and Support Unit

RECEIVED
MAY 19 2006
UNCAS HEALTH DISTRICT

STATE OF CONNECTICUT
Department of Public Health
Division of Laboratory Service
10 Clinton St.
P.O. Box 1689
Hartford, CT 06144
CONN. CLINICAL TESTING LICENSE# CL-0197
TELEPHONE: (860)509-8500

I.D.	ACCESSION NO.	ACCOUNT NO.	AGE	S		PAGE
NR:126	22354534	A00101	0			1

INFORMATION

086MONTVILLE
HENRY MALINOWSKI
126 MOXLEY RD
MONTVILLE CT

DEP-BUREAU OF WATER MANAGEMENT
P.E.R.D.
79 ELM STREET
HARTFORD, CT CT 06106

COLLECTED	RECEIVED	REPORTED
03/31/06 12:00	03/31/06 02:48	05/03/06 15:14

REPORT: FINAL REPORT
COMMENT:

SAMPLING POINT: OUTSIDE TAP
COLLECTOR: MCDANIEL MIKE TITLE: EA3
PRIVATE WELL

TEST(S)	RESULT(S)
*** UNITS: MG/L UNLESS	NOTED
CADMIUM	<0.003
CHROMIUM	<0.003
COPPER	0.02
NICKEL	<0.01
LEAD	<0.003
ZINC	<0.01
ARSENIC	<0.003
BARIUM	0.004
SELENIUM	<0.003
SILVER	<0.003
MERCURY	<0.0005
IRON	0.04
MANGANESE	<0.01
BERYLLIUM	<0.003
THALLIUM	<0.001

REMEDIATION SECTION, 2ND FL
RECEIVED
MAY 09 2006
WASTE MANAGEMENT BUREAU

** END OF REPORT **

ORIGINAL

CONSUMER PROTECTION
WELL DRILLING BOARD
CPR-8 REV. 11-82

STATE OF CONNECTICUT
DEPARTMENT OF CONSUMER PROTECTION
WELL DRILLING PERMIT
165 CAPITOL AVE., HARTFORD, CONNECTICUT 06106

PERMIT NUMBER
144401

LOCATION OF WELL (Town): MONTVILLE (Street): MOXLEY ROAD (Lot Number): — DATE: 9-21-90

OWNER OF WELL
[x] INDIVIDUAL [x] BUILDER [ ] OTHER (Specify) HENRY MALINOWSKY JR. 443-8575

OWNER'S ADDRESS
175 BLOOMINGDALE ROAD, QUAKER HILL, CT. 06375

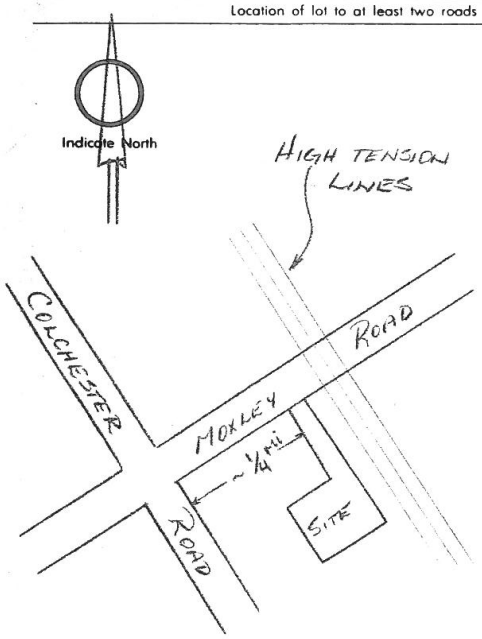
PROPOSED USE OF WELL
[x] DOMESTIC [ ] BUSINESS ESTABLISHMENT [ ] FARM [ ] TEST WELL
[ ] PUBLIC SUPPLY [ ] INDUSTRIAL [ ] AIR CONDITIONING [ ] OTHER (Specify)

Est. No. of People being served. 3

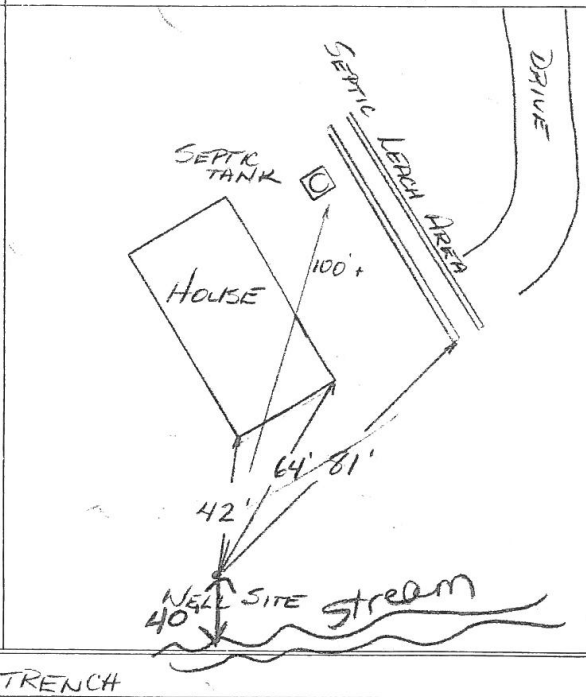
SKETCH OF WELL LOCATION

Locate well with respect to at least two roads, showing distance from intersection and front of lot

Location of lot to at least two roads



Well location on lot and to house (if present)



Approximate number of feet from well to nearest source of possible contamination: 81' TO LEACH TRENCH

The undersigned is aware that upon completion of the well, a "Well Completion Report" containing construction details and information required under Section 25-131 of the 1969 Supplement to the General Statutes must be sent to the owner, the Board and the Water Resources Commission on the form provided by the Board. This permit is not valid until all information is filled in and it has been counter-signed by the Director of Health or his agent.

203-923-3119

APPLICANT (Signature): Russ Schramm CWD
APPLICANT'S ADDRESS: Numa Drilling P.O. Box 348 Thompson, CT 06277
REGISTRATION NO.: 325

[x] APPROVED [ ] REJECTED
BY (Town Health Officer or Agent): W Sims
DATE: 9/27/90

REMARKS
approved per plan above

pd. 9/26/90
Rct # 2661 ck # 4551

DIRECTOR OF HEALTH

WELL COMPLETION REPORT
CPR-9 REV. 11-82

STATE OF CONNECTICUT
DEPARTMENT OF CONSUMER PROTECTION
WELL DRILLING BOARD
165 CAPITOL AVE.
HARTFORD, CONNECTICUT 06106

Do NOT fill in
STATE WELL NO.
OTHER NO.

OWNER	NAME: HENRY MALINOWSKI, JR.		ADDRESS: 175 BLOOMINGDALE RD. QUAKER HILL, CT. 06375	
LOCATION OF WELL	(No. & Street): MOXLEY RD. MONTVILLE, CT.		(Town)	(Lot Number): LOT#1
PROPOSED USE OF WELL	[X] DOMESTIC	[ ] BUSINESS ESTABLISHMENT	[ ] FARM	[ ] TEST WELL
	[ ] PUBLIC SUPPLY	[ ] INDUSTRIAL	[ ] AIR CONDITIONING	[ ] OTHER (Specify)
DRILLING EQUIPMENT	[ ] ROTARY	[X] COMPRESSED AIR PERCUSSION	[ ] CABLE PERCUSSION	[ ] OTHER (Specify)
CASING DETAILS	LENGTH (feet): 20'	DIAMETER (inches): 6"	WEIGHT PER FOOT: 17LBS	[X] THREADED [ ] WELDED
	DRIVE SHOE: [X] YES [ ] NO	WAS CASING GROUTED? [X] YES [ ] NO		
YIELD TEST	[ ] BAILED	[ ] PUMPED	[X] COMPRESSED AIR	HOURS: 4
	YIELD (G.P.M.): 5.25			
WATER LEVEL	MEASURE FROM LAND SURFACE—STATIC (Specify feet): 20	DURING YIELD TEST (feet): 120	Depth of Completed Well in feet below Land surface: 140	
SCREEN DETAILS	MAKE		LENGTH OPEN TO AQUIFER (feet)	
	SLOT SIZE	DIAMETER (inches)	IF GRAVEL PACKED:	Diameter of well including gravel pack (inches):
	GRAVEL SIZE (inches)	FROM (feet)	TO (feet)	

DEPTH FROM LAND SURFACE FEET TO FEET		FORMATION DESCRIPTION
1	10	SAND & GRAVEL
10	20	BEIGE
25	30	ORANGE
30	140	GREY

Sketch exact location of well with distances, to at least two permanent landmarks.



If yield was tested at different depths during drilling, list below

FEET	GALLONS PER MINUTE

DATE WELL COMPLETED	PERMIT NO.	REGISTRATION NO.	DATE OF REPORT	WELL DRILLER (Signature)
10/02/90	144401	325	10/17/90	

LOCAL DIRECTOR OF HEALTH

EcoScience Laboratory

490 Main Street
Norwich, CT 06360

203-889-8104

9 Nov 90 90-954-I93

Henry Malinowsky Jr.
175 Bloomingdale Road
Quaker Hill CT 06325

Results of analyses on a sample of wellwater from the premises at 126 Moxley Road in Uncasville, CT, collected by Scott Harrington of Homes Plus, Inc., on 8 Nov 90.

Bacteriological Tests

Coliform bacteria by the Standard MF method.	0 in 100 ml

Sanitary Chemical Tests

pH	5.5*
Alkalinity	84 mg/L as $CaCO_3$
Hardness	88 mg/L as $CaCO_3$
Chloride	11 mgCl/L
Nitrate	0.71 mgN/L
Ammonia	<0.02 mgN/L
Iron	2.7** mgFe/L

Sample does not foam when shaken.

Physical Tests

Turbidity	2.4 NTU
Color	10 Pt units
Odor	very faint, like cellophane tape
Taste	none

*This pH is below the recommended minimum of 6.4, and thus the wellwater would be considered slighly acidic. Acidic groundwater is common in this area. Although water with this pH is not harmful in itself, it may dissolve metal from plumbing. Water in which the pH and alkalinity are low tends to accelerate the corrosion of metal pipes and fixtures. This tendency can be counteracted using an acid-neutralizing chemical filtration system.

**This iron value is somewhat high. High iron is common in this area, especially in a new well. The condition is not a health hazard and may disappear as the well is used. If the iron remains high and causes problems with staining of laundry or fixtures, it can be treated using an iron-removing chemical filtration system.

Results indicate that this water is suitable for use as potable water to the extent that these tests performed on a single sample can so indicate. VAGB

Anthony G. Benoit,
Director

AIR WATER LAND

UNCAS HEALTH DISTRICT
401 WEST THAMES STREET
NORWICH, CONNECTICUT 06360
TEL. 823-1189

NO. _____

PERMIT TO DISCHARGE TO SEWAGE DISPOSAL SYSTEM

Permission is hereby granted to Henry Malenowski to discharge sewage to the sewage disposal system located at 126 Maxley Rd. in the town of Montville.

Issuance date: 11/9/90 Issued by: [illegible]

Provisions:

(1) Discharge volume not to exceed 125 G.P.D./ bedroom from a 3 bedroom house.

(2) Discharge volume not to exceed _____ G.P.D. from a non residential building.

(3) The septic tank shall be inspected regularly and cleaned not less frequently than every five years.

Special requirements or restrictions: pH value of 5.5 is below recommended minimum. Iron level is slightly elevated. Homeowner may wish to consider purchase of water treatment unit in the future.

Code exceptions:

This permit shall not be construed as permission to create or maintain any sewage nuisance. If such a condition is found to exist, this permit may be revoked suspended or modified. The permit holder shall be required to make whatever repairs, alterations, extentions or changes in use as are deemed necessary by the UNCAS DISTRICT DEPARTMENT OF HEALTH to abate the condition.

UNCAS HEALTH DISTRICT
401 West Thames Street
Norwich CT 06360
823-1189

INSPECTION OF SEWAGE DISPOSAL SYSTEM

PERMIT# 362
TOWN: Montville
ROAD: Moxley

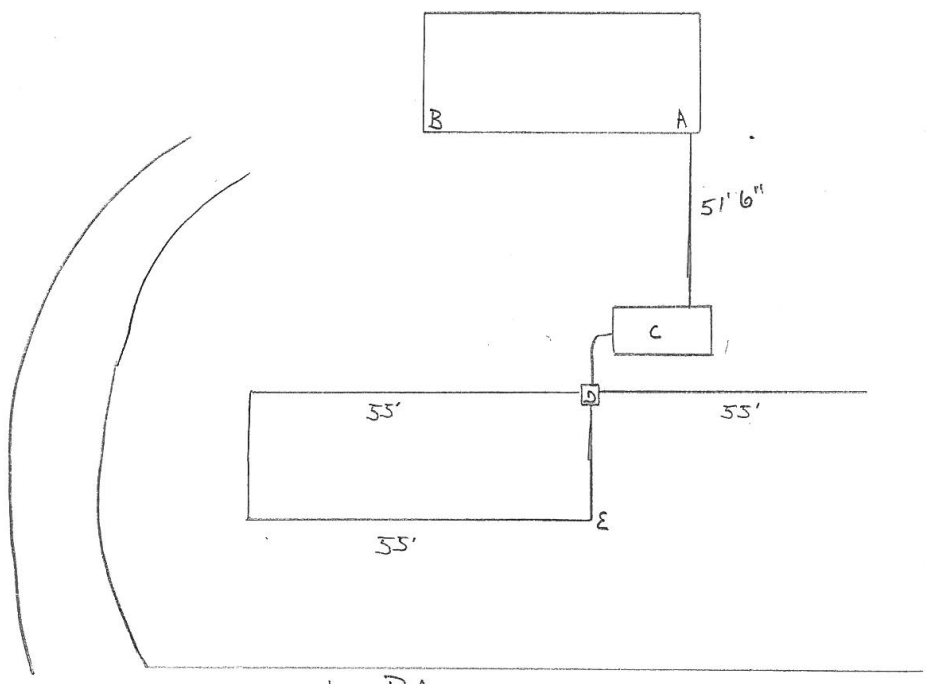
OWNER: Henry Malinowski, Jr. LOCATION: 126 Moxley Rd

INSPECTED BY: Michael J Kirby DATE: 10-9-90 INSTALLER: owner

RESIDENTIAL; # OF BEDROOMS: 3 NON-RESIDENTIAL; DESIGN FLOW: _____G.P.D.

****

SYSTEM AS BUILT-NOT TO SCALE



A-C	54'
A-D	63'6"
A-E	76'3"
B-C	68'4"
B-D	74'4"
B-E	85'2"

****

SEPTIC TANK: 1000 GALS. REMARKS:

LEACHING SYSTEM: 522 SQ. FT.

APPROVED: Michael J Kirby R.S.

DATE: October 24, 1990

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

ACKNOWLEDGEMENT

June 12, 2007

Mr. William J. Hoynack
Manager – Environmental Audit and Remediation
Northeast Utilities Service Company
P.O. Box 270
Hartford, CT 06141

RE: Notification of Significant Environmental Hazard
Ash Disposal Site
128 Moxley Road, Montville

Dear Mr. Hoynack:

This is to acknowledge receipt, on May 29, 2007, of written notification made under the requirements of Connecticut General Statutes (CGS) Section 22a-6u. This notification reported the presence of an environmental hazard at property owned by the Northeast Utilities Service Company that is known as the Moxley Road Ash Disposal Site, located at 128 Moxley Road in Montville. The notification identified the following significant environmental hazard(s):

> Groundwater polluted with arsenic and copper at respective concentrations of 131 and 622 micrograms per liter, exceeding the adopted groundwater protection criteria, is or may be located within 500 feet upgradient of a supply well. Other metals were detected as well.
>
> Groundwater polluted with copper at a concentration of 622 micrograms per liter, exceeding ten times the adopted surface water acute toxicity criteria, is or may be discharging to a surface water body.

Thank you for notifying DEP of this condition, which you believe is due to historic ash disposal activity. It is DEP's understanding that Northeast Utilities Service is currently preparing a report for DEP regarding this site.

DEP requests, under CGS Section 22a-6u (j)(2), that you take the following additional action immediately:

> Determine if the dug well located at 132 Moxley Road is currently in use, and if so, sample the well immediately, and thereafter on a quarterly basis, for pH and for all metals (dissolved and total) that currently exceed the the Connecticut Department of Public Health Drinking Water Action Level or the Groundwater Protection Criteria of the Remediation Standard Regulations (Regulations of the Connecticut State Agencies 22a-133k-1 to 3).

(Printed on Recycled Paper)
79 Elm Street • Hartford, CT 06106 - 5127
An Equal Opportunity Employer

If you have any questions regarding your obligations specified in this letter, please contact Mike McDaniel of the DEP at 860-424-3798.

Sincerely,

Patrick F. Bowe
Director
Remediation Division
Bureau of Water Protection and Land Reuse

PFB:TFD

CERTIFIED MAIL RRR

cc:

Mr. Paul J. Boison, Senior Environmental Scientist, Northeast Utilities Service Company, P.O. Box 270, Hartford, CT 06141
Tim Delgado, DEP
Mike McDaniel, DEP
Lee Dunbar, Aquatic Toxicity Program, DEP

As noted above, under the provisions of CGS Section 22a-6u (l) copies are also provided to the following:
Mr. Patrick McCormack, Director of Health, Uncas Health District, 372 West Main St, 2nd fl, Norwich, CT 06360-5450
The Honorable Joseph W. Jaskiewicz, Mayor, Town of Montville, 310 Norwich-New London Turnpike, Uncasville, CT 06382
The Honorable Elizabeth B. Ritter, State Representative, Legislative Office Building, Room 4002, Hartford, CT 06106-1591
The Honorable Andrea L. Stillman, State Senator, Legislative Office Building, Room 3600, Hartford, CT 06106-1591

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF SIGNIFICANT ENVIRONMENTAL HAZARD REPORT

RECEIVED
JUN 18 2007
UNCAS HEALTH DISTRICT

June 12, 2007

The Honorable Joseph W. Jaskiewicz
Mayor
Town of Montville
310 Norwich-New London Turnpike
Uncasville, CT 06382

Dear Mayor Jaskiewicz:

Section 22a-6u of the Connecticut General Statutes requires the Connecticut Department of Environmental Protection (DEP) to provide you with notice of a significant environmental hazard reported in your jurisdiction. Under the statute, DEP is also notifying the state representative and state senator representing the area in which the pollution has been identified. DEP must, in addition, provide notification to Federal and State occupational safety and health offices that have jurisdiction, and is required to post on the Department's Internet website a listing of all notices received under this law. Additional information about the reporting of significant environmental hazards to DEP is available in a DEP fact sheet, on the internet at http://www.dep.state.ct.us/wst/remediation/haznotif/faq_report_haz.pdf.

Enclosed please find a copy of a Significant Environmental Hazard Report for the Moxley Road Ash Disposal Site, located at 128 Moxley Road in Montville. The significant environmental hazard reported is that pollution detected in groundwater above standards may threaten a drinking water well. In addition, pollution detected in groundwater that discharges to a surface water body may pose a risk to aquatic life. Also enclosed is a copy of the DEP's acknowledgement letter in response to this hazard notification. In the acknowledgement letter DEP directed the property owner to fence the area, assess the potential for the ash disposal area to impact upgradient ponds and a water supply well, and develop a plan to abate impacted surface and ground water.

If you have any questions, or for further information regarding the Department's response or actions under this program, please contact Thomas Tyler of DEP at (860) 424-3001.

Sincerely,

Patrick F. Bowe
Director
Remediation Division
Bureau of Water Protection and Land Reuse

Enclosures
PFB:tfd

cc: Tom Tyler, DEP
Mr. Patrick McCormack, Director of Health, Uncas Health District, 372 West Main St, 2nd fl, Norwich, CT 06360-5450

UNCAS HEALTH DISTRICT
401 West Thames Street
Norwich CT 06360
823-1189

PERMIT # 584

PERMIT TO DISCHARGE TO A SEWAGE DISPOSAL SYSTEM

Permission is hereby granted to Eric Hart to discharge sewage to the sewage disposal system located at 131 Mopley Rd. in the town of Montville.

Issuance date: 12/16/92 Issued by: WSmis

PROVISIONS:

1] Discharge volume is not to exceed 125 G.P.D./ bedroom from a 3 bedroom house.
2] Discharge volume not to exceed G.P.D. from a non-residential building.

3] The septic tank shall be inspected regularly and cleaned not less frequently than every 5 years.

SPECIAL REQUIREMENTS OR RESTRICTIONS:

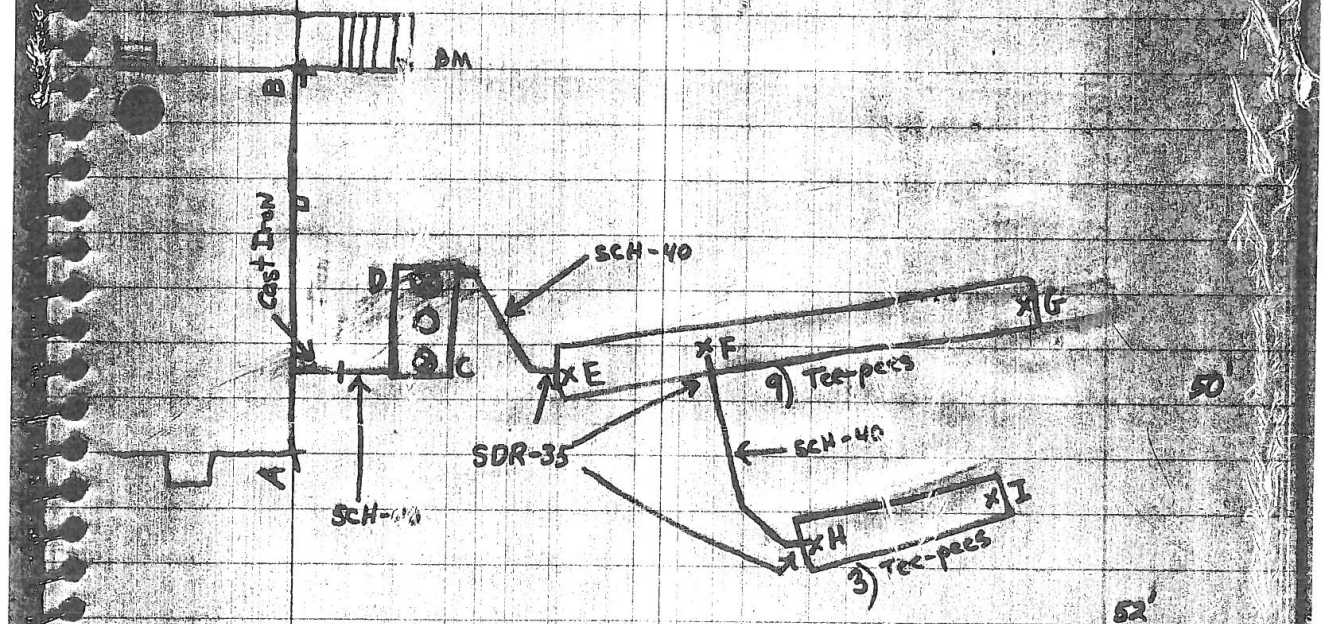
CODE EXCEPTIONS: 1.) Galleries are located 18" OK instead of 21"

This permit shall not be construed as permission to create or maintain any sewage nuisance. If such a condition is found to exist, this permit may be revoked, suspended or modified. The permit holder shall be required to make whatever repairs, alterations extentions or changes as are deemed necessary by the Uncas Health District to abate the codition.

131 Moxley RD E. Hart 12/92

A TO C = 20'
B TO C = 36'
A TO D = 25'4"
B TO D = 29'4"
A TO E = 31'
B TO E = 48'
A TO F = 54'8"
B TO F = 68'
A TO G = 102'
B TO G = 114'

A TO H = 59'
B TO H = 82'
A TO I 82'8"
B TO I = 103'



UNCAS HEALTH DISTRICT
401 West Thames Street
Norwich CT 06360
823-1189

PERMIT # 584

APPROVAL TO CONSTRUCT OR REPAIR A SEWAGE DISPOSAL SYSTEM

Approval is hereby granted for the construction/repair of a sewage disposal system, located at 131 Mayley Rd. in the town of Montville
Owner: Mr. & Mrs. Eric Hart Installer: Maguire Corp.
Residential; # of bedrooms: 3 Non-Residential; Design Flow_____ G.P.D.

INSTRUCTIONS TO INSTALLER

1] This office is to be contacted before any change is made in the system location, size or design.

2] Any new sewage disposal system must conform to ALL requirements of section 19-13-B103 of the CT Public Health Code.

3] All construction must be under the direct supervision of an installer licensed under section 20-341 of the CT General Statutes.

4] The installer is responsible for verifying locations of property lines, water lines, wells and buried utility lines prior to installation.

SPECIFIC INSTRUCTIONS: Install 2 rows of 6 each teepee galles, approximately 2-3 feet fill required. Pump and crush existing drywells, contaminated soil is to be removed from new septic area. Maintain 25' to house foundation & drainage pipe, and 75' to well. Replace tank baffles, galleies to be no deeper than 12" into original grade

APPROVED BY: WSMis DATE: 11/24/92

FEE PAID: $45.00 RECEIPT# 2873

PERMIT EXPIRES: 11/24/93 PERMIT RENEWED: _____

OWNER: Hart LOCATION: 131 Hadley Rd

SPECIAL CONDITIONS

[] System Design Larger Than 2,000 G.P.D.	[X] Limited Useable Area
[] High Ground Water [less than 3 ft.]	[] Watercourse, Pond, Wetland
[] Seasonal High Ground Water	[] Possible Seasonal Flooding
[] Min. Perc Rate Faster Than 1 min/in	[X] Shallow Ledge [less than 5ft.]
[] Min. Perc Rate Slower Than 30 min/in	[] Excessive Slope [over 25%]
[] Nearby Public Water Supply Well	[] Other

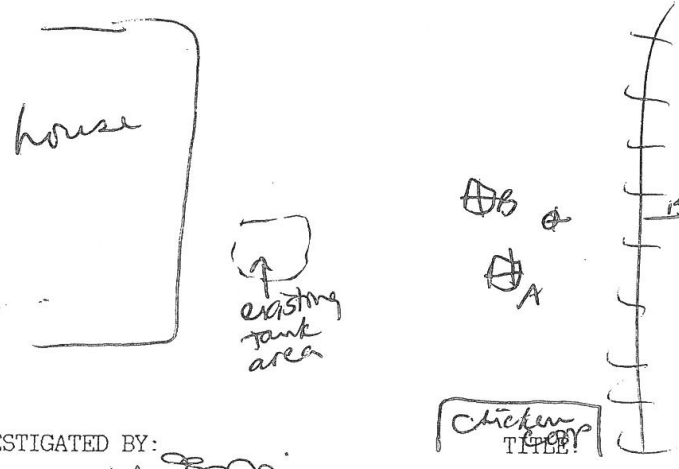
CONCLUSION

[] Suitable For Sewage Disposal	[] Unsuitable For Sewage Disposal
[] Additional Investigation Required	[] Retest During Wet Season
[] Engineer's Plan Required	

DESIGN RECOMMENDATIONS

A 3 BR house requires 675 sq. ft. leach area. Existing tank may be used if is in good condition.
Install 2 rows of 6 each teepee galleys, approximately 2-3 feet fill required. Pump and crush existing drywells. Contaminated soil is to be removed from new septic area.
Maintain 25' to house foundation and drainage pipe, and 75' to well
Replace baffles in tank with plastic pipe baffles, All piping after tank is to be heavy duty
Galleys no deeper than 12" into original grade.

LOCATION SKETCH



INVESTIGATED BY: TITLE:

COMMENTS: Morris

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

March 7, 2006

Irving and Susanna Holmes
P.O. Box 338
Quaker Hill, CT. 06375

RECEIVED
MAR 27 2006
UNCAS HEALTH DISTRICT

RE: Well Water Analysis
132 Moxley Road
Montville, CT. 06353

Dear Mr. & Mrs. Holmes:

Enclosed for your information are the results of water samples that were collected on January 6 and 13, 2006 from your well located at 132 Moxley Road in Montville, CT. The water samples were collected from the kitchen tap. Samples for volatile organic compounds were collected after the water from the water pressure tank was purged. The water samples were analyzed at the Department of Public Health (DPH) laboratory for volatile organic compounds (VOCs), radon, general chemistry and reservoir metals.

A review of the results indicates that the water sampled on January 6, 2006 is potable with respect to most of the parameters analyzed. There was one VOC, chloroform that was detected in the well water at the time of the sampling. Chloroform was detected at concentration of < 0.5 micrograms/liter (ug/l) and is a disinfectant by-product.

Your well water is slightly acidic with a pH of 6.0. The iron was slightly elevated at a concentration of 0.74 milligrams/liter (mg/l). EPA has established National Secondary Drinking Water Regulations (SMCLs) that set non-mandatory water quality standards for iron at 0.3 mg/l. They are established only as guidelines to assist public water systems in managing their drinking water for aesthetic considerations, such as taste, color and odor. These contaminants are not considered to present a risk to human health at the SMCLs. It is my understanding that there is a filter installed in your home to reduce the iron in your well water.

The radiological testing of your well water that was collected on January 6, 2006 indicates that radon 222 is present at 10, 349 picocuries/liter (PCI/L). A second confirmatory sample collected on January 13, 2006 indicated that radon 222 was present at 9484 PCI/L. The level of radon in your well water is elevated and it is recommended that you contact Francesca Provenzano, State Department of Health Radon Section at (860) 509-7367 to discuss your health concerns and options.

The Department of Environmental Protection Remediation Section has conducted a limited environmental site investigation of the allege CL& P coal ash dump, which is located adjacent to your property and currently owned by you. There are elevated levels of several metals (arsenic, beryllium, cadmium, lead and thallium) in soil and/or groundwater on-site. The DEP has requested a meeting with CL&P (Northeast Utilities) to discuss DEPs findings and to recommend that remedial measures be taken to ensure that the coal ash dump does not adversely impact human health and the environment.

If I can provide any further information please contact me at (860) 424-3798.

Sincerely,

Michael W. McDaniel
Environmental Analyst 3
Remediation Section
Waste Management Bureau

MWM/mwm
Enclosures

Cc: Patrick McCormack, Director of Health, Uncasville Health District
Francesca Provenzano, State Department of Public Health, Radon Section
Chuck Nicole, Northeast Utilities, 107 Selden Street, Berlin, CT. 06037
Stephen Gaura, DEP, Site Assessment and Support Unit

STATE OF CONNECTICUT

Department of Public Health
Division of Laboratory Services
10 Clinton St.
P.O. Box 1689
Hartford, CT 06144
Telephone (860) 509-8500

I.D.	ACCESSION NO.	ACCOUNT NO	AGE	S		PAGE
NR:132	16138833	A00101	0			2

INFORMATION

086MONTVILLE
HOLMES
132 MOXLEY RD
MONTVILLE CT

DEP-BUREAU OF WATER MANAGEMENT
P.E.R.D.
79 ELM STREET
HARTFORD, CT CT 06106

COLLECTED	RECEIVED	REPORTED
01/06/06 12:30	01/06/06 14:45	01/11/06 11:52

REPORT: FINAL REPORT

COMMENT:

TEST(S)	RESULT(S)
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
CIS-1,2-DICHLOROETHENE	ND
TRANS-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
1,3-DICHLOROPROPANE	ND
2,2-DICHLOROPROPANE	ND
1,1-DICHLOROPROPENE	ND
CIS-1,3-DICHLOROPROPENE	ND
TRANS-1,3-DICHLOROPROPENE	ND
ETHYLBENZENE	ND
HEXACHLOROBUTADIENE	ND
ISOPROPYLBENZENE	ND
4-ISOPROPYLTOLUENE	ND
METHYLENE CHLORIDE	ND
METHYL T-BUTYL ETHER	ND
NAPHTHALENE	ND
PROPYLBENZENE	ND
STYRENE	ND
1,1,1,2-TETRACHLOROETHANE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	ND
TOLUENE	ND
1,2,3-TRICHLOROBENZENE	ND
1,2,4-TRICHLOROBENZENE	ND
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
TRICHLOROETHENE	ND
TRICHLOROFLUOROMETHANE	ND
1,2,3-TRICHLOROPROPANE	ND
1,2,4-TRIMETHYLBENZENE	ND
1,3,5-TRIMETHYLBENZENE	ND
VINYL CHLORIDE	ND
M,O,P-XYLENES (TOTAL)	ND

NOTE: ND = NONE DETECTED
METHOD DETECTION LIMIT IS 0.5 UG/L FOR ABOVE COMPOUNDS.

------ ** END OF REPORT **

FORM NO. OL-6A REV.3-00

STATE OF CONNECTICUT

Department of Public Health
Division of Laboratory Services
10 Clinton St.
P.O. Box 1689
Hartford, CT 06144
Telephone (860) 509-8500

I.D.	ACCESSION NO.	ACCOUNT NO	AGE	S		PAGE
NR:132	26016561	A00101	0			1

INFORMATION

086MONTVILLE
HOLMES
132 MOXLEY RD
MONTVILLE CT

DEP-BUREAU OF WATER MANAGEMENT
P.E.R.D.
79 ELM STREET
HARTFORD, CT CT 06106

COLLECTED	RECEIVED	REPORTED
01/06/06 12:30	01/06/06 14:50	01/17/06 14:10

REPORT: FINAL REPORT
COMMENT: 2 PLASTIC JUGS

TEST(S)	RESULT(S)
	SAMPLING POINT: KITCHEN TAP COLLECTOR: MCDANIEL, M TITLE: EA3 PRIVATE WELL TREATMENT:
RADON 222	10349. +/- 0.92% PCI/L ANALYZED 1/6/06
GROSS ALPHA WATER	4.19 +/- 1.14 PCI/L, ANALYZED ON 1/12/05

REMEDIATION SECTION, 2ND FL
RECEIVED
JAN 24 2006
WASTE MANAGEMENT BUREAU

1/17/06

------ ** END OF REPORT **

FORM NO. OL-6A REV.3-00

STATE OF CONNECTICUT

Department of Public Health Laboratory
Clinical Testing License: CL-0197
10 Clinton St.
P.O. Box 1689
Hartford, CT 06144
Telephone (860) 509-8500

I.D.	ACCESSION NO.	ACCOUNT NO	AGE	S		PAGE
NR:132	22351818	A00101	0			1

INFORMATION

086MONTVILLE
HOLMES
132 MOXLEY RD
MONTVILLE CT

DEP-BUREAU OF WATER MANAGEMENT
P.E.R.D.
79 ELM STREET
HARTFORD, CT CT 06106

COLLECTED	RECEIVED	REPORTED
01/06/06 12:30	01/06/06 14:50	02/09/06 10:28

REPORT: FINAL REPORT

COMMENT:

TEST(S)	RESULT(S)
	SAMPLING POINT: KITCHEN TAP
	COLLECTOR: MCDANIEL, M TITLE: EA3
	PRIVATE WELL
***	
APPARENT COLOR	5
TRUE COLOR	TRUE COLOR LESS THAN OR EQUAL TO APPARENT COLOR.
ODOR	1 MUSTY
TURBIDITY	3.9
PH	6.0
AMMONIA	<0.1
*** UNITS: MG/L UNLESS NOTED	
ALKALINITY	36.
HARDNESS	26.
CHLORIDE	23.
NITRATE	0.9
	>48HR
NITRITE	<0.05
	>48HR
CADMIUM	<0.003
CHROMIUM	<0.003
COPPER	0.08
NICKEL	<0.01
LEAD	<0.003
ZINC	<0.01
ARSENIC	<0.003
BARIUM	<0.01
SELENIUM	<0.003
SILVER	<0.003
MERCURY	<0.0005
IRON	0.74
MANGANESE	<0.04
SODIUM, DIRECT	12.

REMEDIATION SECTION, 2ND FL
RECEIVED
FEB 2 1 2006
WASTE MANAGEMENT BUREAU

** END OF REPORT **

FORM NO. OL-6A REV.3-00

100

STATE OF CONNECTICUT
Department of Public Health
Division of Laboratory Services
10 Clinton St., P.O. Box 1689
Hartford, CT 06144
CONN. CLINICAL TESTING LICENSE # CL-0197
TELEPHONE: (860) 509-8500

DEP-BUREAU OF WATER MANAGEMENT
P.E.R.D.
79 ELM STREET
HARTFORD, CT CT 06106

I.D.	ACCESSION NO.	ACCOUNT NO.	AGE	S		PA
NR:132	26016597	A00101	0			1

INFORMATION
086MONTVILLE
HOLMES
132 MOXLEY RD
MONTVILLE CT

COLLECTED	RECEIVED	REPORTED
01/13/06 13:05	01/13/06 15:04	01/24/06 15:17

REPORT FINAL REPORT

COMMENT

TEST(S)	RESULT(S)
	SAMPLING POINT: KITCHEN TAP COLLECTOR: MCDANIEL, M TITLE: EA3 PRIVATE WELL
DON 222 OSS ALPHA WATER	9484. +/- 0.96% PCI/L ANALYZED 1/13/06 <3.0 PCI/L, ANALYZED ON 1/20/06

REMEDIATION SECTION, 2ND FL
RECEIVED
JAN 27 2006
WASTE MANAGEMENT BUREAU

1/24/06

** END OF REPORT **

FORM NO. OL-6A REV. 01-02

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

May 12, 2006

Irving and Susanna Holmes
P.O. Box 338
Quaker Hill, CT. 06375

RE: Well Water Analysis
132 Moxley Road
Montville, CT. 06353

Dear Mr. & Mrs. Holmes:

Enclosed for your information are the results of water samples that were collected on March 31, 2006 from your drilled and dug well located at 132 Moxley Road in Montville, CT. The water samples were collected from the kitchen tap. Samples for volatile organic compounds were collected after the water from the water pressure tank was purged. The water samples from the dug well were analyzed at the Department of Public Health (DPH) laboratory for volatile organic compounds (VOCs), radon, general chemistry and reservoir metals including beryllium and thallium. Water samples were also collected from the drilled well and were analyzed for beryllium and thallium.

A review of the results indicates that the water sampled from the dug well on March 31, 2006 is potable with respect to the parameters analyzed. There were no VOCs detected. Your well water is slightly acidic with a pH of 5.6. The radiological testing of your well water that was collected on March 31, 2006 indicates that radon 222 was present at 668 picocuries/liter (PCI/L).

A review of the analytical results indicates that the water sampled from the drilled well on March 31, 2006 is potable with respect to the parameters analyzed.

RECEIVED
MAY 19 2006
UNCAS HEALTH DISTRICT

If I can provide any further information please contact me at (860) 424-3798.

Sincerely,

Michael McDaniel
Environmental Analyst 3
Remediation Division
Bureau of Water Protection and Land Reuse

Enclosures

Cc: Patrick McCormack, Director of Health, Uncasville Health District
Francesca Provenzano, State Department of Public Health, Radon Section
Gary Ginsberg, State Department of Public Health, Toxicology Section
Chuck Nicole, Northeast Utilities, 107 Selden Street, Berlin, CT. 06037
Stephen Gaura, DEP, Site Assessment and Support Unit

STATE OF CONNECTICUT

Department of Public Health Laboratory
Clinical Testing License: CL-0197
10 Clinton St.
P.O. Box 1689
Hartford, CT 06144
Telephone (860) 509-8500

I.D.	ACCESSION NO.	ACCOUNT NO	AGE	S		PAGE
NR:132DUG	16139246	A00101	0			1

INFORMATION

086MONTVILLE
IRVING HOLMES
132 MOXLEY RD
MONTVILLE CT

DEP-BUREAU OF WATER MANAGEMENT
P.E.R.D.
79 ELM STREET
HARTFORD, CT CT 06106

COLLECTED	RECEIVED	REPORTED
03/31/06 11:30	03/31/06 14:40	04/10/06 10:26

REPORT: FINAL REPORT

COMMENT

TEST(S)	RESULT(S)
	SAMPLING POINT: KITCHEN TAP COLLECTOR: MCDANIEL, MIKE TITLE: EA3 PRIVATE WELL TREATMENT:
*** DATE ANALYZED	04/04/06
	ANALYTICAL METHOD: EPA METHOD 524.2 MEASUREMENT OF ORGANIC COMPOUNDS IN WATER BY CAPILLARY COLUMN GAS CHROMATOGRAPHY/MASS SPECTROMETRY.
EPA 524.2	FINAL RESULT:

COMPOUND	QUANTITY (UG/L)
BENZENE	ND
BROMOBENZENE	ND
BROMOCHLOROMETHANE	ND
BROMODICHLOROMETHANE	ND
BROMOFORM	ND
BROMOMETHANE	ND
N-BUTYLBENZENE	ND
SEC-BUTYLBENZENE	ND
TERT-BUTYLBENZENE	ND
CARBON TETRACHLORIDE	ND
CHLOROBENZENE	ND
CHLOROETHANE	ND
CHLOROFORM	ND
CHLOROMETHANE	ND
2-CHLOROTOLUENE	ND
4-CHLOROTOLUENE	ND
DIBROMOCHLOROMETHANE	ND
1,2-DIBROMO-3-CHLOROPROPANE	ND
1,2-DIBROMOETHANE	ND
DIBROMOMETHANE	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
DICHLORODIFLUOROMETHANE	ND
1,1-DICHLOROETHANE	ND

REMEDIATION SECTION, 2ND FL
RECEIVED
APR 19 2006
WASTE MANAGEMENT BUREAU

*** CONTINUED ***

STATE OF CONNECTICUT

Department of Public Health Laboratory
Clinical Testing License: CL-0197
10 Clinton St.
P.O. Box 1689
Hartford, CT 06144
Telephone (860) 509-8500

I.D.	ACCESSION NO.	ACCOUNT NO	AGE	S		PAGE
NR:132DUG	16139246	A00101	0			2

INFORMATION

086MONTVILLE
IRVING HOLMES
132 MOXLEY RD
MONTVILLE CT

DEP-BUREAU OF WATER MANAGEMENT
P.E.R.D.
79 ELM STREET
HARTFORD, CT CT 06106

COLLECTED	RECEIVED	REPORTED
03/31/06 11:30	03/31/06 14:40	04/10/06 10:26

REPORT: FINAL REPORT

COMMENT:

TEST(S)	RESULT(S)
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
CIS-1,2-DICHLOROETHENE	ND
TRANS-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
1,3-DICHLOROPROPANE	ND
2,2-DICHLOROPROPANE	ND
1,1-DICHLOROPROPENE	ND
CIS-1,3-DICHLOROPROPENE	ND
TRANS-1,3-DICHLOROPROPENE	ND
ETHYLBENZENE	ND
HEXACHLOROBUTADIENE	ND
ISOPROPYLBENZENE	ND
4-ISOPROPYLTOLUENE	ND
METHYLENE CHLORIDE	ND
METHYL T-BUTYL ETHER	ND
NAPHTHALENE	ND
PROPYLBENZENE	ND
STYRENE	ND
1,1,1,2-TETRACHLOROETHANE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	ND
TOLUENE	ND
1,2,3-TRICHLOROBENZENE	ND
1,2,4-TRICHLOROBENZENE	ND
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
TRICHLOROETHENE	ND
TRICHLOROFLUOROMETHANE	ND
1,2,3-TRICHLOROPROPANE	ND
1,2,4-TRIMETHYLBENZENE	ND
1,3,5-TRIMETHYLBENZENE	ND
VINYL CHLORIDE	ND
M,O,P-XYLENES (TOTAL)	ND

NOTE: ND = NONE DETECTED
METHOD DETECTION LIMIT IS 0.5 UG/L FOR ABOVE COMPOUNDS.

------ ** END OF REPORT **

FORM NO. OL-6A REV.3-00

STATE OF CONNECTICUT
Department of Public Health
Division of Laboratory Service
10 Clinton St.
P.O. Box 1689
Hartford, CT 06144
CONN. CLINICAL TESTING LICENSE# CL-0197
TELEPHONE: (860)509-8500

I.D.	ACCESSION NO.	ACCOUNT NO.	AGE	S		PAGE
NR:132DUG	22354532	A00101	0			1

INFORMATION

086MONTVILLE
IRVING HOLMES
132 MOXLEY RD
MONTVILLE CT

DEP-BUREAU OF WATER MANAGEMENT
P.E.R.D.
79 ELM STREET
HARTFORD, CT CT 06106

COLLECTED	RECEIVED	REPORTED
03/31/06 11:30	03/31/06 02:47	05/03/06 15:14

REPORT: FINAL REPORT
COMMENT:

SAMPLING POINT: KITCHEN TAP
COLLECTOR: MC DANIEL MIKE TITLE: EA3
PRIVATE WELL

TEST(S)	RESULT(S)
***	
APPARENT COLOR	0
TRUE COLOR	0
ODOR	NONE
TURBIDITY	<0.2
PH	5.6
AMMONIA	<0.1
*** UNITS: MG/L UNLESS	NOTED
ALKALINITY	<10.
HARDNESS	17.
CHLORIDE	6.8
NITRATE	<0.1
	>48HR
NITRITE	<0.05
	>48HR
CADMIUM	<0.003
CHROMIUM	<0.003
COPPER	0.10
NICKEL	<0.01
LEAD	<0.003
ZINC	<0.01
ARSENIC	<0.003
BARIUM	0.004
SELENIUM	<0.003
SILVER	<0.003
MERCURY	<0.0005
IRON	0.08
MANGANESE	<0.01
SODIUM, DIRECT	4.0
BERYLLIUM	<0.003
THALLIUM	<0.001

REMEDIATION SECTION, 2ND FL
RECEIVED
MAY 0 9 2006
WASTE MANAGEMENT BUREAU

** END OF REPORT **

ORIGINAL

STATE OF CONNECTICUT
Department of Public Health
Division of Laboratory Service
10 Clinton St.
P.O. Box 1689
Hartford, CT 06144
CONN. CLINICAL TESTING LICENSE# CL-0197
TELEPHONE: (860) 509-8500

I.D.	ACCESSION NO.	ACCOUNT NO.	AGE	S		PAGE
NR:132D	22354533	A00101	0			1

INFORMATION

086MONTVILLE
IRVING HOLMES
132 MOXLEY RD
MONTVILLE CT

DEP-BUREAU OF WATER MANAGEMENT
P.E.R.D.
79 ELM STREET
HARTFORD, CT CT 06106

COLLECTED	RECEIVED	REPORTED
03/31/06 11:30	03/31/06 02:47	05/03/06 15:14

REPORT: FINAL REPORT
COMMENT:

SAMPLING POINT: KITCHEN TAP
COLLECTOR: MCDANIEL MIKE TITLE: EA3
PRIVATE WELL

TEST(S)	RESULT(S)
*** UNITS: MG/L UNLESS NOTED	
CADMIUM	<0.003
CHROMIUM	<0.003
COPPER	0.07
NICKEL	<0.01
LEAD	<0.003
ZINC	0.03
ARSENIC	<0.003
BARIUM	0.003
SELENIUM	<0.003
SILVER	<0.003
MERCURY	<0.0005
IRON	0.11
MANGANESE	0.20
BERYLLIUM	<0.003
THALLIUM	<0.001

REMEDIATION SECTION, 2ND FL
RECEIVED
MAY 0 9 2006
WASTE MANAGEMENT BUREAU

** END OF REPORT **

ORIGINAL

CPR-8 Rev. 7/95

PERMIT NUMBER
173613

STATE OF CONNECTICUT
DEPARTMENT OF CONSUMER PROTECTION
REAL ESTATE & PROFESSIONAL TRADES DIVISION

WELL DRILLING PERMIT

165 Capitol Avenue, Hartford, Connecticut 06106

LOCATION OF WELL (Town)	(Street)	(Lot Number)	DATE
MONTVILLE	MOXLEY Rd	132	10-12-95

OWNER OF WELL: ?VING HOLMES ☑ INDIVIDUAL ☐ BUILDER ☐ OTHER (Specify)

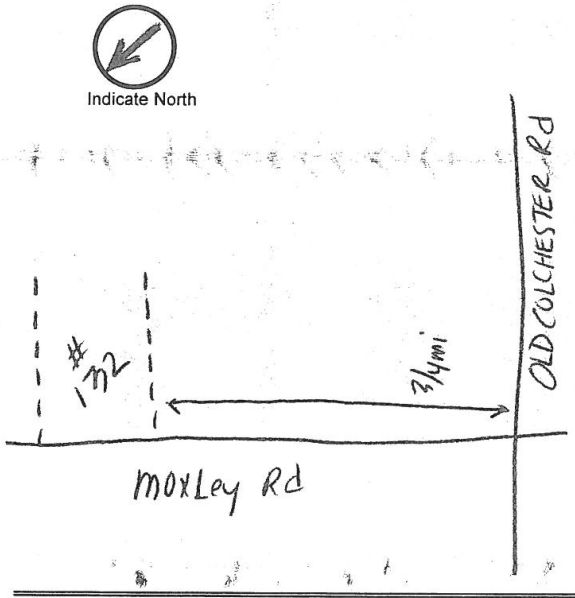
OWNER'S ADDRESS: 132 MOXLEY Rd Uncasville CT 06382

PROPOSED USE OF WELL					Est. No. of People being served.
☑ DOMESTIC	☐ BUSINESS ESTABLISHMENT	☐ FARM	☐ TEST WELL		4
☐ PUBLIC SUPPLY	☐ INDUSTRIAL	☐ AIR CONDITIONING	☐ OTHER (Specify)		

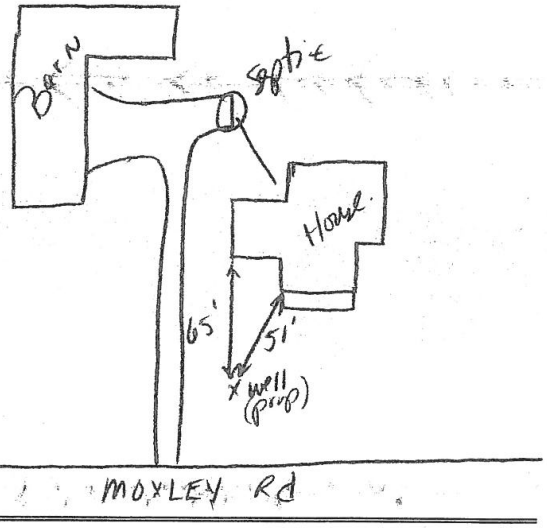
SKETCH OF WELL LOCATION

Locate well with respect to at least two roads, showing distance from intersection and front of lot

location of lot to at least two roads



Well location on to and to house (if present)



Approximate number of feet from well to nearest source of possible contamination: 75'+

The undersigned is aware that upon completion of the well, a "Well Completion Report" containing construction details and information required under Section 25-131 of the 1969 Supplement to the General Statutes must be sent to the owner, the Department of Consumer Protection and the Water Resources Commission on the form provided by the agency. This permit is not valid until all information is filled in and it has been counter-signed by the Director of Health or his agent. Latham Boise Well Drilling

APPLICANT (Signature)	APPLICANT'S ADDRESS	REGISTRATION NO.
[signature]	P.O. Box 303 Thompson CT 06277	13
☑ APPROVED ☐ REJECTED	BY (Town Health Officer or Agent) [signature]	DATE 10/16/95

REMARKS

CK# 3030 - 3030-10 - Rec# 5717

DIRECTOR OF HEALTH OCT 13 1995

CPR-9 Rev. 7/95

STATE OF CONNECTICUT
DEPARTMENT OF CONSUMER PROTECTION
REAL ESTATE & PROFESSIONAL TRADES DIVISION
WELL DRILLING COMPLETION REPORT
165 Capitol Avenue, Hartford, Connecticut 06106

Do NOT fill in
STATE WELL NO.
OTHER NO.

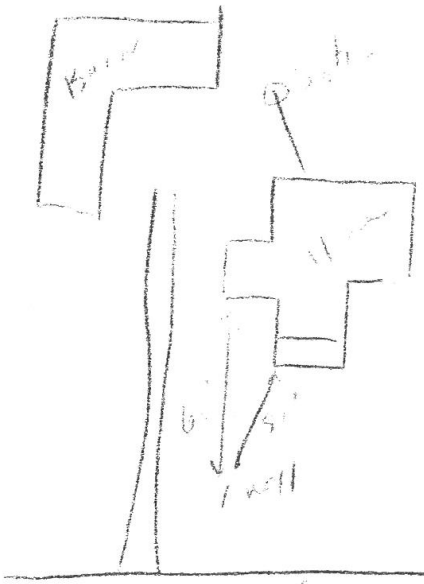
OWNER	NAME [illegible]		ADDRESS [illegible]	
LOCATION OF WELL	(No. & Street) 13 [illegible]	(Town) Uncasville CT	(Lot Number)	06382
PROPOSED USE OF WELL	☑ DOMESTIC	☐ BUSINESS ESTABLISHMENT	☐ FARM	☐ TEST WELL
	☐ PUBLIC SUPPLY	☐ INDUSTRIAL	☐ AIR CONDITIONING	☐ OTHER (Specify)
DRILLING EQUIPMENT	☐ ROTARY	☐ COMPRESSED AIR PERCUSSION	☑ CABLE PERCUSSION	☐ OTHER (Specify)

AR 0814

CASING DETAILS	LENGTH (feet) 30	DIAMETER (inches) 6 7	WEIGHT PER FOOT [illegible]	☑ THREADED ☐ WELDED	DRIVE SHOE ☐ YES ☐ NO	WAS CASING GROUTED? ☐ YES ☐ NO
YIELD TEST	☑ BAILED ☐ PUMPED ☐ COMPRESSED AIR		HOURS 4		YIELD (GPM) [illegible]	
WATER LEVEL	MEASURE FROM LAND SURFACE - STATIC (Specify feet) [illegible]		DURING YIELD TEST (feet) [illegible]		Depth of Completed Well in feet [illegible]	
SCREEN DETAILS	MAKE				LENGTH OPEN TO AQUIFER (feet)	
	SLOT SIZE	DIAMETER (inches)	IF GRAVEL PACKED:	Diameter of well including gravel pack (inches)	GRAVEL SIZE (inches)	FROM (feet) / TO (feet)

DEPTH FROM LAND TO SURFACE FEET TO FEET		FORMATION DESCRIPTION
0	7	[illegible]
7	7	[illegible]

Sketch exact location of well with distances, to at least two permanent landmarks



If yield was tested at different depths during drilling, list below

FEET	GALLONS PER MINUTE

DATE WELL COMPLETED	PERMIT NO.	REGISTRATION NO.	DATE OF REPORT	WELL DRILLER (Signature)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

LOCAL DIRECTOR OF HEALTH

RECEIVED - 3 1999
PROPERTY SALE

Aquatek Labs

Water Analysis Report

WATER SOURCE: 139 MOXLEY ROAD - UNCASVILLE, CT
BEFORE TREATMENT, KITCHEN TAP

TO: GRIGGS & BROWNE
1020 HARTFORD TPK RT 85
WATERFORD, CT 06385

DATE: 05/12/99
TEST#: C0512954

BACTERIOLOGICAL EXAMINATION

Total Coliforms	Present_____	Absent__X__
Fecal Coliforms	Present_____	Absent__X__

CONCLUSIONS: Based on the bacteriological examination, this water was safe for drinking purposes (potable) at the time the sample was collected.

PHYSICAL/CHEMICAL EXAMINATION	RESULT	AL	UNITS
Turbidity	0.3	5.0	NTU
Color	4	15	---
Odor	N.D.	2	---
pH	7.0	6.4 - 10.0	---
Hardness	14	200	mg/L
Nitrate Nitrogen	N.D.	10.0	mg/L
Nitrite Nitrogen	N.D.	1.00	mg/L
Sulfate	9	250.0	mg/L
Sodium	19.1	28.0	mg/L
Chloride	5.1	250.0	mg/L
Copper	.66	1.30	mg/L
Iron	.02	0.30	mg/L
Manganese	.01	0.05	mg/L

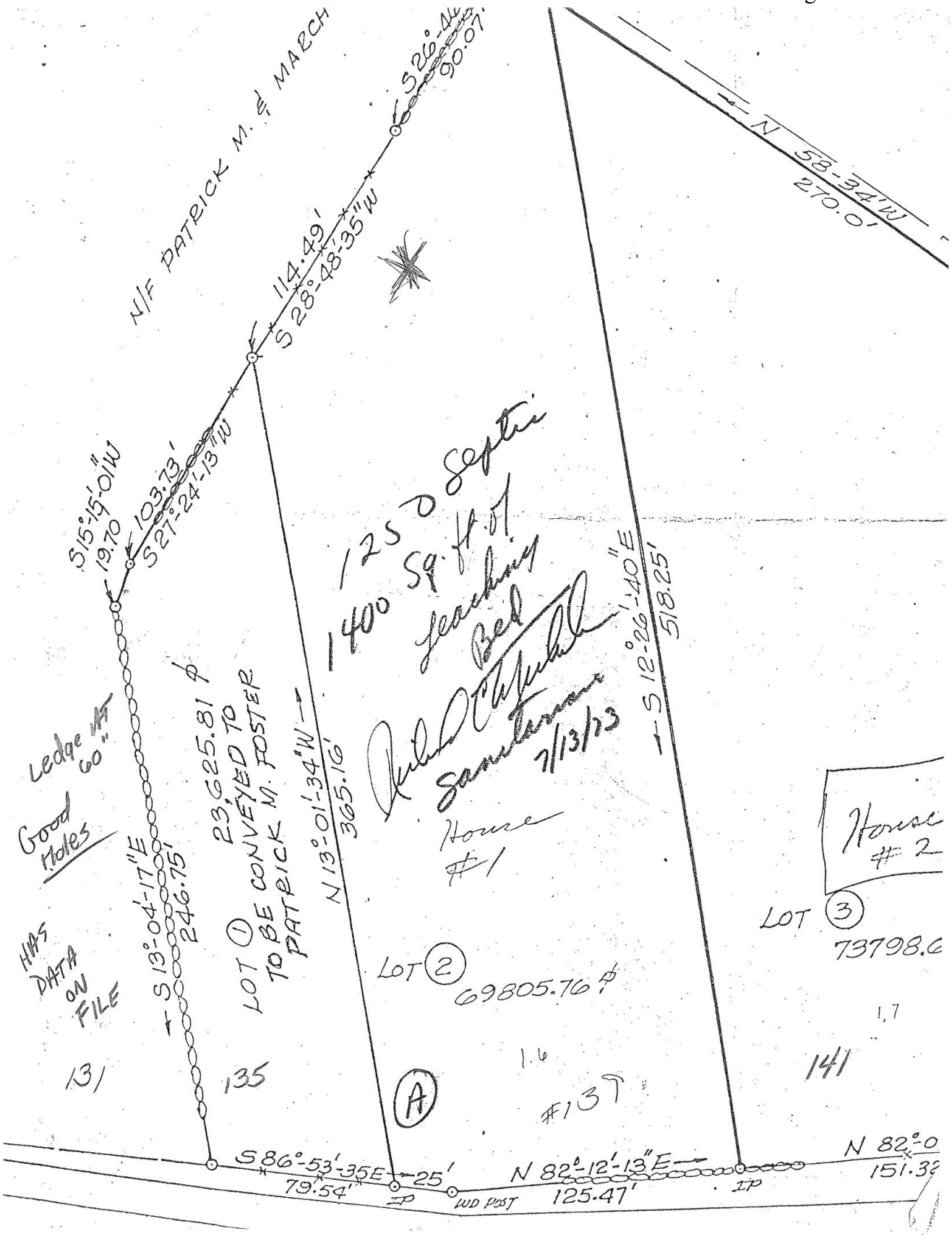
Sampled By: Marc Guay under the direction of Aquatek Labs.

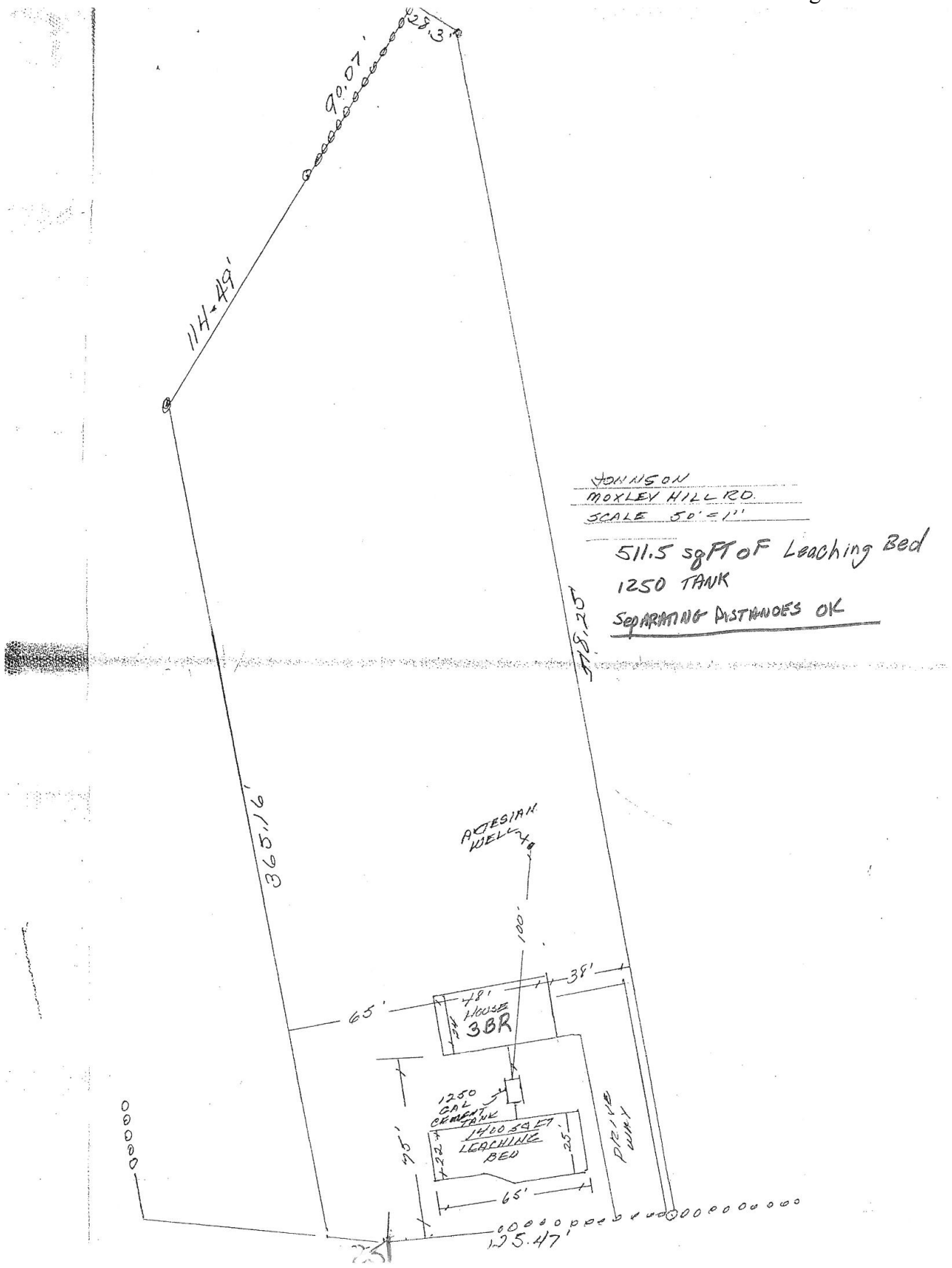
AL = Advisory Level
N.D. = None Detected
* = exceeds AL, see attached sheet
✓ = below AL, see attached sheet

David M. Graham
Laboratory Director

CT License #PH-0466

❑ 131 BRADLEY ROAD • WOODBRIDGE, CONNECTICUT 06525
❑ 141 BOSTON POST ROAD • OLD SAYBROOK, CONNECTICUT 06475


N/F PATRICK M. & MARCH
S 26°-44'
90.07'
114.49'
S 28°-48'-35"W
S 15°-15'-01"W
19.70'
103.73'
S 27°-24'-13"W
N 58-34'W
270.0'
1250 Septic
1400 Sq. ft. of
leaching
Bed
7/13/73
House
#1
Ledge at 60"
Good Holes
HAS DATA ON FILE
S 13°-04'-17"E
246.75'
23,625.81 ±
LOT (1) TO BE CONVEYED TO PATRICK M. FOSTER
N 13°-01'-34"W
365.16'
S 12°-26'-40"E
518.25'
LOT (2)
69805.76 ±
LOT (3)
73798.6
House #2
131
135
141
#137
1.6
1.7
S 86°-53'-35E
79.54'
IP
25'
WD POST
N 82°-12'-13"E
125.47'
IP
N 82°-0
151.3


90.07'
28.3'
114.49'
JOHNSON
MOXLEY HILL RD.
SCALE 50'=1"
511.5 sqFT OF Leaching Bed
1250 TANK
SEPARATING DISTANCES OK
315.25'
365.16'
ARTESIAN WELL
100'
35'
65'
48'
1½ HOUSE
3BR
1250 GAL CEMENT TANK
1400 SQFT LEACHING BED
22'
25'
95'
65'
PROPANE LINE
125.47'