PHASE II COMPREHENSIVE SITE ASSESSMENT REPORT

FORMER NU-STYLE PROPERTY
21 GROVE STREET
FRANKLIN, MASSACHUSETTS
MASSDEP RELEASE TRACKING NUMBER (RTN) 2-16694

February 2024

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1.0 EXECUTIVE SUMMARY

On behalf of the Town of Franklin, Massachusetts (the Town) Verdantas LLC (Verdantas) has prepared this Phase II Comprehensive Site Assessment (CSA) Report, summarizing recent and historic assessment activities conducted at the former Nu-Style Property located at 21 Grove Street, Franklin, Massachusetts, (the Site). The Site is identified by the Massachusetts Department of Environmental Protection (MassDEP) under Release Tracking Number (RTN) 2-16694.

The Site consists of an approximately 0.83-acre parcel, identified as Lot 22, and is improved with an approximately 4,000-square-foot (SF) collapsing building constructed circa 1945, situated at the western portion of the Site. A former building at the eastern portion of the Site (formerly referenced as 87 Grove Street/Lot 27) was demolished in 2012. The Town acquired Lot 22 in 2002 and Lot 27 in 2005 as tax takings. The two lots were subsequently combined and are referred to as Lot 22. The Site is in an area of mixed residential, industrial, and commercial use. Mine Brook flows along the western and southern perimeter of the Site.

The Site was developed by at least the early 1890s and was occupied by the Unionville Woolen Mills. The Site and adjacent parcel south of Mine Brook were occupied by the Franklin Paint Company in the 1950s. The Site was used for jewelry manufacturing from 1969 until the late 1980s as the Nu-Style Jewelry Factory. Manufacturing processes used at the Site included electroplating and metals finishing, and chemicals including heavy metals (nickel and chromium), acids, bases, cyanides, oils, and chlorinated solvents. Five underground storage tanks (USTs) were removed from the Site between 1990 and 2007. One or more of these tanks reportedly contained solvents.

MassDEP assigned RTN2-16694 in May 2007 following the discovery of a release of metals, chlorinated volatile organic compounds (CVOCs), and polycyclic aromatic hydrocarbons (PAHs) in soil, and a release of lead and CVOCs in groundwater. Assessment and remedial activities were conducted at the Site between 2006 and 2023, which included advancement of soil borings, installation of overburden and bedrock groundwater monitoring wells, collection of soil, groundwater, sediment, and surface water samples, completion of a geophysical survey, removal of USTs, and excavation and off-Site disposal of lead and CVOC impacted soil and metal and PAH impacted sediment. In 2015, a Partial Permanent Solution Statement with Conditions (PSSC) was achieved for a portion of the disposal site located south of Mine Brook.

The following conclusions can be made based on the results of comprehensive site assessment activities completed at the Site to date:

1. Based on the results of groundwater collected between 2006 and 2023, both overburden and bedrock groundwater are impacted by CVOCs, with tetrachloroethylene (PCE) and trichloroethylene (TCE) detected at concentrations exceeding their applicable Massachusetts Contingency Plan (MCP) Method 1 Groundwater Standards:

   i. The vertical and horizontal extents of CVOC impacts to overburden and bedrock groundwater have not been fully delineated.
   ii. It is unclear if CVOC impacts identified south of Mine Brook are originating from the Site or from an off-Site source (i.e., Lot 26).
   iii. Concentrations trends of CVOCs in groundwater appear to be generally stable or decreasing in Site overburden and bedrock monitoring wells.
   iv. Based on recent groundwater analytical results there is no evidence of vapor intrusion impacts to the south of Mine Brook.
2. CVOC impacted soil is present in the northern and southwestern portions of the Site. The majority of CVOC impacted soil was identified in the upper six feet below ground surface (bgs); however, localized impacts have been identified at the bedrock interface. Data gaps exist within the footprint of the current Site building.
3. The source of CVOC impacts to soil and groundwater are attributable to historic manufacturing operations.
4. Localized PAH impacts are present in surficial soils in the vicinity of MW-2 and MW-3 in the western portion of the Site. The suspect source is attributed to the historic placement of fill or other historic Site operations. PAH impacts to sediment within Mine Brook are attributable to releases from historic manufacturing operations and/or placement of fill during channelization of the brook. PAH and metal impacts to soils within a former raceway structure are attributable to releases from historic manufacturing operations. Remediation activities were conducted in the eastern portion of the raceway in 2012, and similar impacts are likely present within the intact portion of the raceway in the western portion of the Site.
5. The Partial PSSC supports the implementation of remedial measures to mitigate potential vapor intrusion impacts to future receptors, which is consistent with portions of the Site at which there is evidence of CVOC impacts exceeding MCP Method 1 GW-2 Groundwater concentrations and localized areas of CVOC impacts to soils.
6. Additional assessment activities are recommended to address data gaps related to the extent of CVOC impacts to soil and overburden and bedrock groundwater. A Method 3 Risk Characterization is recommended to characterize the risk of harm to health, public welfare, and the environment for sediment, surface water, and indoor air at the Site.
7. Comprehensive Remedial Actions are necessary at the Site to achieve a Permanent Solution as described in 310 CMR 40.1000 and to achieve a Conditions of No Significant Risk (NSR). A Phase III study for the identification, evaluation, and selection of Comprehensive Remedial Action Alternatives (RAAs), as described in 310 CMR, is necessary to select an appropriate RAA.

2.0 INTRODUCTION

On behalf of the Town of Franklin, Massachusetts (the Town) Verdantas LLC (Verdantas) has prepared this Phase II Comprehensive Site Assessment (CSA) Report summarizing recent and historic assessment activities conducted at the former Nu-Style Property located at 21 Grove Street, Franklin, Massachusetts (the Site). The Site is identified by the Massachusetts Department of Environmental Protection (MassDEP) under Release Tracking Number (RTN) 2-16694. The Site is classified by MassDEP as "Tier II".

The Site consists of an approximately 0.83-acre parcel, identified as Lot 22, and is improved with an approximately 4,000-square-foot (SF) collapsing building constructed circa 1945, situated at the western portion of the Site, which shares a structural wall with an abutting commercial building located at Lot 28. A former building at the eastern portion of the Site (formerly referenced as 87 Grove Street/Lot 27) was demolished in 2012. The Town acquired Lot 22 in 2002 and Lot 27 in 2005 as tax takings. The two lots were subsequently combined and are referred to as Lot 22.

This report as prepared in accordance with 310 CMR 40.0846 of the Massachusetts Contingency Plan (MCP).

3.0 GENERAL SITE DESCRIPTION

3.1 SITE LOCATION, DESCIRPTION, AND SURROUNDING USE

The Site consists of an approximately 0.83-acre parcel, identified as Lot 22, and is located in an area of mixed-use. The Site is improved with an approximately 4,000-SF collapsing building constructed circa 1945, situated at the western portion of the Site. The remainder of the Site consists of landscaped areas. The Site is currently vacant/unoccupied. Access to the building is restricted by a fenced enclosure.

The Site is in an area of mixed residential, industrial, and commercial use. Mine Brook flows along the western and southern perimeter of the Site. The Site is abutted by a stone countertop commercial business to the north/northeast; a Massachusetts Bay Transportation Authority (MTBA) commuter rail line to the north; Grove Street to the east/southeast; and Old Forge Road to the west/southwest. A Site Locus Map and Site Plan are provided as Figures 1 and 2, respectively.

Based on a review of the MassDEP Phase I Site Assessment Map, included as Appendix A, the Site lies within a 100-year FEMA floodplain. There are no Public Water Supply Protection Areas at the Site or within 500 feet of the Site. Zone II Wellhead Protection Areas are located within 0.5-mile southeast and northwest of the Site.

4.0 DISPOSAL HISTORY

4.1 HISTORY OF OWNER AND OPERATIONS

Based on historic reports and records reviewed, the Site was developed by at least the early 1890s and was occupied by the Unionville Woolen Mills. The existing Site building was constructed circa 1945 and the former Site building was constructed circa 1900. The Site and adjacent parcel south of Mine Brook was occupied by the Franklin Paint Company in the 1950s. The Site was purchased in 1969 by Carol and Richard Armstrong and was used for jewelry manufacturing until the late 1980s as the Nu-Style Jewelry Factory (Nu-Style). A 1975 plan for a proposed addition to the former Lot 27 building indicated that this building was a manufacturing plant, and the Lot 22 building was a garage. The Lot 22 building was used by a construction company for vehicular repair until it was vacated in 1989. Operations on both parcels ceased in late 1989. The Town acquired Lot 22 in 2002 and Lot 27 in 2005 as tax takings.

4.2 WASTE MANAGEMENT HISTORY

Four underground storage tanks (USTs) were removed from the Site in 1990, which included two 2,000-gallon tanks, one 5,000-gallon tank, and a 1,000-gallon tank. One or more of these tanks reportedly contained chlorinated solvents. Additionally, one 5,000-gallon No. 2 fuel oil UST, located west of the former Site building, was removed from the Lot 27 parcel in 2007.

Manufacturing processes conducted at the Site included electroplating and metals finishing, and chemical use/storage including heavy metals (nickel and chromium), acids, bases, cyanides, oils, and chlorinated solvents. The United States Environmental Protection Agency (US EPA) conducted an inspection of the property in 1992. The inspection documented the presence of chemicals and process equipment associated with the historic manufacturing facility which were abandoned at the Site when Nu-Style declared bankruptcy in approximately 1991. The US EPA subsequently conducted Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) removal actions which included the removal and off-Site disposal of hazardous waste, impacted soil and debris, and product associated with process equipment.

5.0 RELEASE HISTORY

5.1 RELEASE NOTIFICATION AND MCP COMPLIANCE

In July 2007, Fuss & O'Neill, Inc. (Fuss & O'Neill) conducted a Phase II Environmental Site Assessment (ESA) at the Site on behalf of the County of Norfolk, Massachusetts as part of the County Hazardous Materials Brownfield Program. A release of metals (beryllium, lead, and nickel), chlorinated volatile organic compounds (CVOCs; tetrachloroethylene [PCE] and trichloroethylene [TCE]), and polycyclic aromatic hydrocarbons (PAHs; benzo(a)pyrene and fluorene) were identified in soil. A release of lead and CVOCs (PCE and TCE) was also identified in groundwater at the Site. These conditions represented a 120-day reporting condition and the MassDEP assigned RTN 2-16694 in May 2007.

In May 2008 Fuss & O'Neill prepared a Phase I Initial Site Investigation Report and Tier Classification submittal.

6.0 SUMMARY OF SITE INVESTIGATIONS

A summary of assessment activities conducted from 1991 to present is provided in the following subsections. Current and available historic soil, groundwater, sediment, surface water, sub-slab soil vapor, and indoor air analytical results are summarized in Tables 1 through 7. Soil boring and monitoring well locations are provided on Figure 2.

6.1 SITE INVESTIGATIONS – 1991-1992

In 1990 IES, Inc. (IES) completed a Chapter 21E Site Evaluation on behalf of the Home National Bank of Milford, Massachusetts. Activities included the advancement of five soil borings (B-1 through B-5), the installation of groundwater monitoring wells, and the collection of soil and groundwater samples. Analytical results did not detect volatile organic compounds (VOCs) at concentrations greater than laboratory reporting limits, and IES concluded that a release of hazardous materials or petroleum products had not occurred at the Site.

In 1991, four additional borings and monitoring wells (B-1A through B-4A) were advanced to assess if releases were attributable to USTs at the Site. A release of CVOCs was identified in soil and groundwater samples collected from boring B-4A, which was situated downgradient of USTs at the Site and north of Mine Brook. The locations of boring and wells installed by IES is not documented. Based on the results of VOCs in soil, IES concluded that presence of VOCs was the result of a surface release.

6.2 SITE INVESTIGATIONS – 2006 to 2008

Fuss & O'Neill prepared a Phase I Initial Site Investigation (ISI) Report on behalf of the Town (dated May 2008), which addressed activities from November 2006 to May 2007, including a geophysical survey, advancement of soil borings, installation of groundwater monitoring wells, and the collection of soil, sediment, surface water and groundwater samples for laboratory analysis.

The geophysical survey identified three anomalies, indicative of potential USTs, in the vicinity of the former Lot 27 building. These were identified at the southwest corner of the building, and two areas along the northern edge of the building.

Analytical results detected the metals beryllium, lead, and nickel, the CVOCs PCE and TCE, and the PAHs benzo(a)pyrene and fluorene in one or more soil samples at concentrations exceeding their applicable Massachusetts Contingency Plan (MCP) Reportable Concentrations (RCs). Concentrations of lead, PCE, and TCE exceeded their applicable MCP RCs in one or more groundwater samples collected at the Site.

Concentrations of PAHs exceeded their corresponding sediment screening values in the most downstream sediment sample collected in Mine Brook.

Fuss & O'Neill conducted supplemental activities from October to November 2007. Activities included the advancement of soil borings, installation of overburden and

bedrock groundwater monitoring wells, and the collection of soil, sediment, and groundwater samples for laboratory analysis.

Analytical results detected PAHs in each of the sediment samples at concentration greater than their applicable sediment screening values. Fuss & O'Neill attributed these impacts to historic urban filling and/or to historic discharges from the former manufacturing facilities.

PCE was detected in surficial soil samples collected at concentrations exceeding applicable MCP Method 1 Soil Standards and attributable to surficial releases at the Site. Concentrations of PCE and TCE exceeded their applicable Method 1 Groundwater standards in overburden and bedrock groundwater.

6.3 TARGETED BROWNFIELDS ASSESSMENT – 2013

Nobis Engineering, Inc. (Nobis) performed a Targeted Brownfields Assessment (TBA) on behalf of the US EPA to evaluate the extent of shallow bedrock groundwater impacts on Lot 27. In May 2013 Nobis oversaw the installation of 12 bedrock groundwater monitoring wells, installed as paired couplets with shallow bedrock wells installed at total depths of approximately 11 to 24 feet bgs and deeper bedrock walls installed at total depths of approximately 20 to 34 feet bgs, and the collection of soil and groundwater samples for laboratory analysis. A second groundwater sampling event was performed in August 2013.

Generally low concentrations metals were detected in each of the soil samples collected by Nobis at levels below applicable MCP Method 1 Soil Standards. The CVOC cis-1,2-DCE was detected at a concentration of 12 milligrams per kilogram (mg/kg) in the sample collected from MW-105D, at depth of 10-12 feet bgs immediately above the bedrock surface. This concentration exceeded the applicable MCP Method 1 Soil Standards. No other compounds were detected at concentrations exceeding their applicable MCP Method 1 Soil Standards.

Groundwater samples detected several metals and various chlorinated and petroleum hydrocarbon related VOCs, including 1,1-dichloroethane (DCA), 1,1-DCE, cis-1,2-DCE, PCE, TCE, 1,1,1-trichloroethane (TCA),1,1,2-TCA, vinyl chloride, acetone, sec-butylbenzene, and methyl tert butyl ether (MTBE) in one or more of the groundwater samples collected during the May and/or August sampling events. Of the detected VOCs, concentrations of PCE and/or TCE exceeded applicable MCP Method 1 Groundwater Standards in one or more of the groundwater samples collected from each of the installed bedrock wells except for monitoring wells MW-102S, MW-103S, MW-106S and MW-106D. Additionally, vinyl chloride was detected in the groundwater sample collected from MW-103S during the August 2013 sampling event at a concentration exceeding applicable MCP Method 1 Groundwater Standards. Where detected, concentrations of PCE and TCE were found to be generally higher in the deeper bedrock monitoring wells compared to the shallower bedrock wells. No other constituents of concern were detected at concentrations exceeding their applicable MCP Method 1 Groundwater Standards.

6.4 SOIL VAPOR INTRUSION STUDY REPORT – 2014

In December 2014, the US EPA performed a vapor intrusion assessment at the property located at 25 Grove Street (Lot 26) south of Mine Brook, based on detections of CVOCs in groundwater monitoring wells MW-101S and MW-101D north of the occupied commercial building. Six sub-slab soil vapor sampling points were installed within the building on December 9, 2014, and were subsequently sampled on December 15, 2014. Five indoor air samples and one ambient air sample were collected concurrently on December 15, 2014. Sub-slab soil vapor samples were initially collected as grab samples. Based on the initial sample results, four of the locations (1 ambient and 3 indoor air) were sampled over a one-hour sampling time and collected using an evacuated Summa canister over an eight-hour sample time. Three indoor air samples were also collected as grab samples with a syringe. Samples were analyzed at the EPA Regional Laboratory for VOCs by US EPA Method TO-15

TCE was detected in four of the six sub-slab soil vapor samples at concentrations exceeding the US EPA Vapor Intrusion Screening Level (VISL) for commercial properties. TCE was detected in indoor air samples at concentrations below the VISL for commercial properties. PCE was not detected in sub-slab soil vapor samples or indoor air samples at concentrations exceeding their applicable VISL for commercial properties.

As shown on Tables 6 and 7, Verdantas compared results to their applicable Indoor Air Threshold Values (TVs) and Sub-Slab Soil Gas Screening Values (SSGSVs) provided in MassDEP's Vapor Intrusion Guidance Document, dated October 14, 2016. TCE was detected in three of the sub-slab soil vapor syringe grab samples, and one of the canister samples at concentrations exceeding the MassDEP's SSGSV for commercial/industrial properties. TCE was detected in one indoor air sample at a concentration exceeding its applicable TV for commercial/industrial properties. PCE was not detected in sub-slab soil vapor samples or indoor air samples at concentrations exceeding the applicable SSGSV or TV for commercial/industrial properties.

The highest concentrations of TCE in sub-slab soil vapor and indoor air were detected in the northern portion of the building. Non-target VOC analytes were also detected in the indoor air, ambient air, and soil vapor samples, which EPA concluded "are most likely associated with sources inside building or outside in the ambient air and not from contaminated soils or groundwater beneath or adjacent to the building". Therefore, impacts detected in soil gas, indoor air and ambient air at the 25 Grove Street property were not attributable to the Site release. Sub-slab soil vapor sample and indoor air analytical results are provided as Tables 6 and 7, respectively. A copy of the Soil Vapor Intrusion Study Report is provided in Appendix B.

6.5 PASSIVE SOIL GAS SURVEY – 2015

Tata & Howard (T&H) prepared a letter report summarizing the results of a passive soil vapor survey, dated March 18, 2015, conducted to "identify potential onsite or off-Site sources of hazardous material". Forty-two (42) passive soil vapor samplers were installed across the Site and on abutting properties, including Lot 28 to the northwest, and Lots 19,

20, and 26 south of Mine Brook. The passive samplers were installed for a ten-day period before being removed for analysis. It was noted that four of the samplers could not be extracted from the ground. Details regarding the sampler type and sample depths were not documented. Additional details of sampling and analytical methodology were not provided in the report.

Elevated readings of CVOCs, as measured by the mass of the analyte adsorbed to the sampler, were detected in several samplers across the investigation area. The highest PCE and TCE readings were detected in samplers located west of the building on Lot 28, in the northern portion of the Site, and to the northwest, east, and southwest of the existing Site building. Additionally, elevated PCE readings were recorded in a localized area west of the building on Lot 26.

T&H concluded that CVOC results were indicative of at least two source areas in the northern and western portion of the Site, and that "the groundwater plume appears to have migrated to the southwest and northwest under the adjoining buildings"; however, Verdantas notes that groundwater flow direction is generally to the southwest and that elevated CVOC readings west of the building on Lot 28 may be the result of a separate source area. T&H concluded that the localized PCE detection west of the building on Lot 26 indicated that the source originated from Lot 26.

These screening data suggest the potential of a potential separate source of off-Site impact sources.

A copy of the report is provided in Appendix B.

6.6 PARTIAL PERMANENT SOLUTION WITH CONDITIONS – 2015

T&H prepared a Partial Permanent Solution with Conditions (Partial PSSC) Report in 2015 for a portion of the Site located south of Mine Brook (currently identified as Lot 26). To support the Partial PSSC, T&H collected groundwater samples from the existing monitoring wells south of Mine Brook in May 2015. Groundwater samples were recollected from monitoring wells MW-101S and MW-101D in June 2015. Analytical results detected TCE and PCE at concentrations exceeding their applicable MCP GW-2 and GW-3 criteria in the groundwater samples collected from MW-101S and MW-101D during both sampling events. No other constituents of concern were detected at concentrations exceeding their applicable MCP Method 1 Groundwater Standards in the remaining monitoring wells sampled by T&H. T&H concluded that the portion of the disposal site south of Mine Brook and east of monitoring wells MW-101S and MW-101D meet the criteria for a Partial PSSC, noting that if a building is constructed a vapor barrier or sub-slab depressurization system may be necessary to mitigate vapor intrusion.

6.7 PHASE II CSA ACTIVITIES – 2023

On behalf of the Town, Verdantas conducted Phase II CSA activities at the Site in 2023. Activities included a geophysical survey, installation of overburden and bedrock monitoring wells, and the collection of soil, sediment, and groundwater samples. Prior to

the commencement of vegetation clearing (performed by the Town) and drilling activities, Verdantas' subcontractor EcoTec, Inc. (EcoTec) filed a Request for Determination of Applicability (RFDA) with the Town's Conservation Commission, resulting in a Negative Determination.

A copy of the RFDA is provided as Appendix C. The geophysical survey report is provided as Appendix D. Soil boring and monitoring well construction logs are provided as Appendix E. A notice of environmental sampling form (BWSC 123) was provided to the property owner of 25 Grove Street, where monitoring well MW-101S and MW-101D are located, and a copy of this form is provided as Appendix F. Copies of laboratory analytical reports are provided as Appendix G.

6.7.1 Groundwater Monitoring - May 2023

On May 22, 2023, Verdantas developed select existing Site groundwater monitoring wells prior to sampling to remove silt and fine materials from the bottom of wells and around the well screens, restore natural permeability of the soils surrounding the well screens, and ensure collection of a representative groundwater sample. Wells were gauged for the presence of both light and dense non-aqueous phase liquid (NAPL) with an oil-water interface probe capable of measuring fluid levels within 0.01 foot.

On May 30 and 31, 2023, Verdantas collected groundwater samples from accessible overburden and bedrock groundwater monitoring wells, including MW-3, MW-14, MW-102S, MW-102D, MW-103S, MW-103D, MW-104S, MW104D, MW-105S, and MW-105D (Figure 2). Groundwater monitoring wells were purged and sampled in general accordance with low-flow methodology using a peristaltic pump. The US EPA document *Low Stress (low flow) purging and sampling for the Collection of Groundwater Samples from Monitoring Wells*, dated September 19, 2017, was used as a guideline for the sampling program. During purging, physical, and chemical field parameters, including temperature, specific conductance, dissolved oxygen, pH, oxygen reduction potential, and turbidity were monitored. Following stabilization of the aquifer as measured by the low-flow sampling parameters, groundwater samples were collected directly into laboratory prepared containers and submitted to Alpha Analytical, Inc. (Alpha) of Westborough, Massachusetts for analysis of the following parameters:

1. VOCs by US EPA Method 8260;
2. Dissolved MCP 13 Metals by US EPA Methods 6010D and 7470A;
3. Extractable petroleum hydrocarbons (EPH) including the target PAHs, by the MassDEP Method; and
4. Volatile petroleum hydrocarbons (VPH), including the target VOCs, by the MassDEP Method.

The samples collected for dissolved metals analysis were field filtered through a 0.45 micron in-line filter prior to collection in the laboratory prepared containers. NAPL was not encountered in the monitoring wells during development or sampling.

6.7.1.1 Groundwater Monitoring Results - May 2023

Referring to Table 3, concentrations of constituents of concern in groundwater were compared to their corresponding MCP Method 1 Groundwater Standards.

1. PCE was detected at concentrations exceeding the MCP Method 1 GW-2 Standard in groundwater samples collected from MW-104S (340 micrograms per liter [µg/l]), MW-105S (88 µg/l), and MW-105D (600 µg/l).
2. TCE was detected at concentrations exceeding the MCP Method 1 GW-2 Standard in groundwater samples collected from MW-3 (8.4 µg/l), MW-102D (300 µg/l), MW-104S (9.7 µg/l), MW-104D (500 µg/l), MW-105S (16 µg/l), and MW-105D (280 µg/l).
3. CVOCs were not detected at concentrations exceeding their applicable MCP Method 1 Groundwater Standards in samples collected from MW-14, MW-102S, MW-103S, and MW-103D.
4. Dissolved metals including barium, beryllium, nickel, vanadium, and zinc were detected in overburden and bedrock groundwater at concentrations below their applicable MCP Method 1 Groundwater Standards.
5. Petroleum hydrocarbons and/or PAHs were detected in several monitoring wells at concentrations below their applicable MCP Method 1 Groundwater Standards.

6.7.2 Geophysical Survey

On September 12, 2023, Verdantas' subcontractor, Atlantic GeoServices LLC (AGS) of Hanson, Massachusetts performed a geophysical survey at accessible exterior accessible portions of the Site. The geophysical survey included an electromagnetic metal detector (EM) survey, a ground-penetrating radar (GPR) survey, and a radio frequency (RF) line location survey. Utilizing these methods, AGS cleared the proposed subsurface investigation locations of public and private utilities, and evaluated accessible exterior areas for potential USTs or other metallic anomalies, including discharge pipes to Mine Brook.

No potential USTs or other metallic anomalies were identified by AGS during the geophysical survey. AGS scanned for utilities and/or any other obstructions at each of the proposed boring locations. AGS noted sanitary sewer, stormwater, gas, and water line utilities at the Site.

6.7.3 Subsurface Investigation - 2023

On September 7, 2023, Verdantas pre-marked the proposed investigation locations to meet Massachusetts DigSafe® utility clearance requirements.

Between September 18 and September 20, 2023, Verdantas oversaw the installation of four soil overburden and bedrock well couples at the Site (designated as SB-201/SB-201D through SB-204/SB-204D; Figure 2). The borings were advanced by Verdantas' drilling subcontractor, GeoSearch, Inc (GeoSearch) of Sterling, Massachusetts. Soil borings were advanced using a track-mounted hollow stem drill rig, equipped with an air hammer.

Overburden soil was recovered continuously in 2-foot intervals from surface grade to refusal at the bedrock interface. Bedrock was encountered at depths ranging from 7 to 19 feet bgs across the Site.

Soils were logged in general accordance with the Modified Burmister Soil Classification System, and olfactory evidence of impacts. Discrete soil samples were collected from approximately every one-foot vertical interval and field screened for the presence of organic vapors with a calibrated photoionization detector (PID). PID screening results are presented on the soil boring logs provided in Appendix E.

One soil sample was collected from each boring based on field screening results, and visual and olfactory evidence of impacts. In the absence of observed impacts, soil samples were collected at the interface of the vadose zone and water table. Soil samples were collected in laboratory supplied containers and transported under chain of custody procedures to Alpha for analysis of the following parameters:

1. VOCs by US EPA Method 8260;
2. Total MCP 13 Metals by US EPA Methods 6010D, 6020D, and 7471A;
3. EPH including the target PAHs, by the MassDEP Method; and
4. VPH, including the target VOCs, by the MassDEP Method.

Overburden soil borings were completed as permanent groundwater monitoring wells (designated MW-201 through MW-208). Groundwater was encountered at depths ranging from 4 to 7 feet bgs across the Site. Monitoring wells were constructed using 2-inch diameter, schedule 40, 0.010-inch factory slotted polyvinyl chloride (PVC) well screen, and PVC riser extended to the ground surface. Well screens were positioned to intercept the water table. The monitoring wells were completed with a flush-mounted road box cemented at grade.

Bedrock wells, installed as paired couplets with the overburden wells, were advanced using the auger and air hammer adjacent to the overburden wells. Bedrock wells were advanced past the first water-bearing fracture identified in the bedrock and screened to intercept the fracture. Total depths of bedrock wells ranged from 20 to 30 feet bgs and were constructed in the manner described above. These wells were designated as MW-201D through MW-204D. Well construction details are provided on the boring logs presented in Appendix E. Well locations are depicted on Figure 2.

Following installation, the newly installed monitoring wells, as well as off-Site monitoring wells MW-101S and MW-101D, were developed to remove silt and fine materials from around the well screen, restore natural permeability of the soils surrounding the well screen, and ensure collection of a representative groundwater sample.

On September 21, 2023, Verdantas surveyed the monitoring well network and elevations of the top of the monitoring well casings were measured relative to the existing monitoring well network. Verdantas then gauged the depth to groundwater and presence of NAPL in each well with an oil-water interface probe capable of measuring

fluid levels within 0.01 foot. No measurable amount of NAPL was detected in the newly installed groundwater wells.

6.7.3.1 Subsurface Investigation Results

Soil samples collected during Verdantas' subsurface investigation were screened in the field for the organic vapors with a calibrated PID. PID readings ranged from 0.0 parts per million by volume (ppmv) to 52 ppmv. The maximum PID reading of 52 ppmv was recorded in a discrete soil sample collected at approximately 4 to 5 feet bgs in boring SB-204. PID screening results are presented on the soil boring logs provided in Appendix E.

Referring to Table 2, concentrations of constituents of concern in soil were compared to their corresponding MCP Method 1 Soil Standards.

1. TCE and PCE were detected in soil samples collected from borings SB-202 through SB-204 at concentrations below their applicable MCP Method 1 Soil Standards.
2. Total metals including arsenic, barium, beryllium, chromium, lead, vanadium, and/or zinc were detected in one or more soil samples collected from SB-201 through SB-204 at concentrations below their applicable MCP Method 1 Soil Standards.
3. Several PAHs were detected at concentration below their applicable MCP Method 1 Soil Standards in the soil sample collected from boring SB-203 at a depth of 4 to 6 feet bgs. Additionally, low concentrations of EPH fractions were detected in the soil samples collected from borings SB-203 and SB-204, at concentrations below their applicable MCP Method 1 Soil Standards.

6.7.4 Groundwater Assessment - 2023

On September 25, 2023, Verdantas collected groundwater samples from accessible monitoring wells MW-201 through MW-208, as well as existing wells MW-101S, and MW-2. Groundwater monitoring wells were purged and sampled in general accordance with low-flow methodology using a peristaltic pump. The US EPA document *Low Stress (low flow) purging and sampling for the Collection of Groundwater Samples from Monitoring Wells*, dated September 19, 2017, was used as a guideline for the sampling program. During purging, physical, and chemical field parameters, including temperature, specific conductance, dissolved oxygen, pH, oxygen reduction potential, and turbidity were monitored. Following stabilization of the aquifer as measured by the low-flow sampling parameters, groundwater samples were collected directly into laboratory prepared containers and submitted to Alpha for analysis of the following parameters:

1. VOCs by US EPA Method 8260;
2. Dissolved MCP 13 Metals by US EPA Methods 6010D, 6020D, and 7471A;
3. EPH, including the target PAHs, by the MassDEP Method; and
4. VPH, including the target VOCs, by the MassDEP Method.

The samples collected for dissolved metals analysis were field filtered through a 0.45 micron in-line filter prior to collection in the laboratory prepared containers. No measurable amount of NAPL was detected in the groundwater wells sampled.

6.7.4.1 Groundwater Assessment Results

Referring to Table 2, concentrations of constituents of concern in groundwater were compared to their corresponding MCP Method 1 Groundwater Standards.

1. Concentrations of PCE exceeded the MCP Method 1 GW-2 Standard in the groundwater sample collected from bedrock well MW-203D.
2. TCE was detected at concentrations exceeding the MCP Method 1 GW-2 Standard in groundwater samples collected from overburden monitoring wells MW-2, MW-203, and MW-204, and bedrock monitoring wells MW-202D and MW-203D.
3. CVOCs were not detected at concentrations exceeding their applicable Method 1 Groundwater Standards in samples collected from MW-101S, MW-201, MW-201D, and MW-204D.
4. Dissolved metals including antimony, barium, beryllium, nickel, and zinc were detected in overburden and bedrock groundwater at concentrations below their applicable MCP Method 1 Groundwater Standards.
5. Petroleum hydrocarbons and naphthalene were detected in one or more groundwater samples collected at concentrations below their applicable MCP Method 1 Groundwater Standards.

6.7.5 Sediment Assessment

On September 22, 2023, Verdantas collected four sediment samples from accessible areas in Mine Brook. Verdantas inspected the brook for evidence of discharge pipes and outfalls associated with the former building or historic operations prior to sampling. The remnants of a former suspect drain/discharge pipe was observed on the southern foundation of the former Lot 27 building, downstream of the dam. A second former suspect drain/discharge pipe was observed on the western side of the bridge over Mine Brook. Sediment samples SED-102 and SED-103 were collected downstream of these structures, respectively, at the closest accessible location. Sediment samples SED-101 and SED-104 were collected at the upstream and downstream extents, respectively, within Mine Brook at the Site. Sample locations are depicted on Figure 2.

Samples were collected from below the surface of the water at approximately 0 to 3 inches into the sediment using a hand auger. Sediment samples were collected in laboratory supplied containers and transported under chain of custody procedures to Alpha for analysis of VOCs by US EPA Method 8260 and MCP 13 Metals by US EPA Methods 6010D, 6020D, and 7471B.

6.7.5.1 Sediment Assessment Results

Referring to Table 4, concentrations of constituents of concern in soil were compared to their corresponding MassDEP Stage 1 Sediment Screening Criteria and the EPA Region III Freshwater Sediment Screening Benchmarks.

1. Total metals including arsenic, barium, beryllium, chromium, lead, nickel, vanadium, and zinc were detected in one or more of the sediment samples collected from Mine Brook at concentrations lower than their corresponding MassDEP Stage 1 Sediment Screening Criteria and the EPA Region III Freshwater Sediment Screening Benchmarks. Concentrations of metals were generally greater in the sediment sample collected at the most downgradient location at the Site.
2. The CVOCs 1,2-DCE and cis-1,2-DCE were detected at a concentration of 0.00063 mg/kg in the sediment sample SED-102. Neither of these compounds have a corresponding MassDEP Stage 1 Sediment Screening Criteria value or EPA Region III Freshwater Sediment Screening Benchmark value.

7.0 SUMMARY OF REMEDIAL ACTIVITIES

A summary of remedial activities conducted from 2007 to present is provided in the following subsections. Available historic soil and sediment analytical results are summarized in Tables 1 and 4, respectively.

7.1 UST CLOSURE ASSESSMENT – 2007

In May 2007, Fuss & O'Neill oversaw the removal of a 5,000-gallon No. 2 fuel oil UST, located southwest of the former Lot 27 building. Soil samples were collected from the tank grave and submitted for laboratory analysis of metals, VOCs, and petroleum hydrocarbons. Analytical results did not detect concentrations of constituents of concern at concentrations greater than their applicable MCP RCs or Method 1 Soil Standards.

7.2 RELEASE ABATEMENT MEASURE ACTIVITIES – 2012 to 2013

In May 2012, Fuss & O'Neill prepared a Release Abatement Measure (RAM) Plan to address the demolition of the former Lot 27 building, and excavation and disposal of soil impacted with CVOCs and metals. It is noted that these activities were limited to Lot 27, and did not include remediation at Lot 22.

RAM activities were completed between May 2012 to February 2013, and included the demolition of the building and excavation of impacted soils. CVOC impacted soil was excavated from the northwestern portion of the Site to a depth of approximately four feet below ground surface (bgs); however, excavations were halted when a sewer line was damaged. Lead impacted soils were excavated in the northeastern portion of the Site (designated as the "MW-05 area") to an approximate depth of six feet bgs. Additionally, CVOC impacted soils were excavated in the southwestern portion of the Site (designated as the "B-4 Excavation Area") to a depth of approximately 7 feet bgs. Confirmatory soil sampling was performed in each of these areas, and Fuss & O'Neill concluded that the excavations were successful in significantly reducing concentrations of CVOCs and metals to the "extent feasible". It is noted that an area of CVOC-impacted soils remains in the northern portion of the Site where excavations were limited due to the sewer line, and several of the post-excavation confirmatory samples collected from the northwestern excavation area contained concentrations of TCE and PCE above their applicable MCP Method 1 Soil Standards. A total of 406.53 tons of soil was transported for off-Site disposal. Soil excavation areas are depicted on Figure 2.

During demolition of the former Lot 27 building, a stone-lined underground raceway structure, trending east-west, was encountered which extended to the existing building on Lot 22 (Figure 2). The portion of this structure underlying the former Site building was demolished between August 2012 and January 2013. Analytical results of sediment samples collected from the raceway detected metals (chromium and lead) and PAHs at concentrations exceeding their applicable MCP Method 1 Soil Standards. Surface water samples from the raceway detected elevated concentrations of petroleum hydrocarbons, metals, and the CVOC cis-1,2-dichloroethylene (DCE), with concentrations of lead exceeding its applicable MCP Method 1 Groundwater Standards.

Concentrations of constituents of concern in impacted sediment and surface water in the raceway were noted to be higher than concentrations typically encountered in Site soil and groundwater. A total of 116.4 tons of sediment was excavated and transported for off-Site disposal from the raceway.

Following completion of RAM activities, the Site was backfilled with crushed brick, concrete, and masonry rubble generated from the building demolition as and sand and gravel.

8.0 SITE GEOLOGIC AND HYDROGEOLOGIC SETTING

8.1 SURFICIAL AND BEDROCK GEOLOGY

According to the Surficial Materials Map of the Franklin Quadrangle, surficial materials underlying the Site are mapped as thin till. This is further described as non-sorted, non-stratified matrix of sand, some silt, and little clay containing scattered pebble, cobble, and boulder clasts. Soils encountered during Verdantas' 2023 subsurface investigation generally consisted of fine to coarse sand with variable amounts of silt and gravel from surface grade to bedrock.

According to the Bedrock Geologic Map of Massachusetts, bedrock at the Site is mapped as Quincy Granite, which is described as an alkalic granite containing riebeckite and aegirine. Bedrock was encountered during Verdantas' 2023 subsurface investigation at depths ranging from 7 to 19 feet bgs across the Site. Bedrock fractures were noted during advancement of the air hammer at depths of approximately 24 and 25 feet bgs in borings MW-201D and MW-202D, respectively.

8.2 HYDROGEOLOGIC SETTING

During Verdantas' September 2023 monitoring event, groundwater was encountered in monitoring wells at depths ranging from 1.79 to 8.14 feet below top of casing. Using the wellhead elevations and the groundwater depths measured, relative groundwater elevations were calculated. Elevations of potentiometric surface in Site overburden groundwater monitoring wells ranged between 90.11 (MW-203) to 97.13 (MW-201), and elevations of potentiometric surface in Site bedrock groundwater monitoring wells ranged between 89.51 (MW-203D) to 95.92 (MW-204D), as measured on September 21, 2023. Direction of groundwater flow was identified to be to the southwest in the overburden aquifer, and to the west-southwest in the bedrock aquifer. This is consistent with groundwater flow direction observed during historic environmental site assessment activities. Refer to Figures 3 and 4, for groundwater elevations, groundwater contours, and groundwater flow direction.

Based on a review of the MassDEP Phase I Site Assessment Map (included as Appendix A) the Site lies within a 100-year FEMA floodplain. There are no Public Water Supply Protection Areas at the Site or within 500 feet of the Site. Zone II Wellhead Protection Areas are located within 0.5-mile southeast and northwest of the Site.

9.0 MIGRATION PATHWAYS AND EXPOSURE POTENTIAL

9.1 MIGRATION PATHWAYS

The following subsections address potential migration pathways associated with Site soil, groundwater, sediment, and air.

9.1.1 Soil

Migration of constituents of concern from Site soil to receptors are associated with impacts at concentrations exceeding applicable MCP Method 1 S-1, S-2, and/or S-3 Soil Standards (under unrestricted future use).

1. Accessible (surficial) soils: There is evidence of CVOC impacted soil at the northern portion of the Site. There is evidence that CVOCs have migrated to groundwater. Additionally, benzo(a)pyrene was detected at a concentration above the S-1 soil standards in a sample collected from MW-3.
2. Potentially accessible soils (3 – 15 feet bgs): CVOC impacted soil remains in the northern portion of the disposal site, and post-excavation confirmatory sample results in the "northwest corner excavation" area contained concentrations of TCE above the MCP Method 1 Soil Standards. Cis-1,2-DCE was detected in a soil sample collected from 10 to 12 feet bgs in boring MW-105D. For unrestricted use, these soils are categorized as "S-1" soils. There is evidence that CVOCs have migrated to groundwater.
3. Isolated subsurface soils: The PAH benzo(a)pyrene was detected in shallow soils in the vicinity of MW-2; however, this area is paved and under current conditions does not present a risk of migration off-Site due to erosion or disturbance.

9.1.2 Groundwater

Based on the results of historic and recent investigations, there is evidence of CVOC impacts to overburden and bedrock groundwater. There is evidence of vertical migration of impacts from overburden soil and/or groundwater to fractured bedrock. The vertical and horizontal extent of CVOC impacts to overburden and bedrock groundwater have not been fully delineated.

9.1.3 Air

There is no evidence of a potential migration pathway of Site impacts to ambient air. Based on a review of historic sub-slab soil vapor and indoor air analytical results, and "GW-2" groundwater impacts there is the potential for vapor intrusion migration pathways to future occupied Site buildings within the disposal site boundary. The nearest residential property is located approximately 75 west of the Site, on the western side of Mine Brook at a higher elevation relative to the Site. This residence is presumed to be hydraulically upgradient or cross-gradient to the disposal site due to its position to the waterbody and topography relative to the Site. T&H's 2015 Partial PSSC stated that based

on distance and elevation compared to the Site, "there is a low potential for vapor intrusion associated this residence".

9.1.4 Sediment

Based on the results of historic and recent investigations, PAHs have been identified in sediments within Mine Brook at concentrations exceeding their MassDEP Stage 1 Freshwater Sediment Screening Criteria. Sediment within the former raceway also contained elevated concentrations of PAHs and metals and are anticipated to be present in sediment within the intact portion of the raceway at the western portion of the Site.

9.2 RECEPTORS

The following is a discussion of potential receptors at the Site.

9.2.1 Human Receptors

The Site is current unoccupied. Commercia/industrial properties abut the Site to the north, south, and east. A residential property abuts to the southwest, across Mine Brook, and undeveloped land abuts to the west. Potential current use human receptors include:

1. On-Site Workers;
2. Visitors;
3. Trespassers; and
4. Construction/Utility Workers.

The foreseeable near future activities and receptors are anticipated to remain the same. However, there is a potential that the Site may be redeveloped for unrestricted use.

Human exposure to impacts in soil/sediment is generally through direct contact such as accidental ingestion, dermal contact, or inhalation of dusts or volatile constituents. Human exposure to impacts in groundwater is typically through direct contact (dermal exposure or ingestion) or through inhalation of vapors.

1. There is a potential exposure pathway to Site users to impacted accessible soils and groundwater.
2. There is a potential exposure pathway to impacted potentially accessible soils and groundwater during construction activities at the Site.
3. There is a potential exposure pathway to impacted sediment within the intact portion of the raceway during construction activities at the Site.

9.2.2 Environmental Receptors

Based on a review of the MassDEP Phase I Site Assessment Map (Appendix A) the Site lies within a 100-year FEMA floodplain. There are no Public Water Supply Protection Areas at the Site or within 500 feet of the Site. Zone II Wellhead Protection Areas are located within

0.5-mile southeast and northwest of the Site. A protected open space is located within 500 feet southeast of the Site. There are no Areas of Environmental Concern/Environmental Receptors within 500 feet of the Site as defined in 40.0483(1)(a)(8)(c), such as:

1. Areas of Critical Environmental Concern;
2. Sole Source Aquifers;
3. Habitats of Species of Special Concern; and
4. Habitats of Species of Threatened or Endangered Species.

10.0 FATE AND TRANSPORT EVALUATION

10.1 SOURCE AREAS

The primary sources of Site impacts appear to be associated with:

1. CVOC impacts to soil and overburden/bedrock groundwater are attributable to releases from operations associated with the historic Site manufacturing facilities. Remedial excavations in 2012 addressed CVOC impacted soil in the northwestern and southwestern portions of the Site; however, post-excavation confirmatory results indicate that CVOC impacted soil remains in the northern portion of the disposal site at concentrations above MCP Method 1 Soil Standards. CVOC impacted soil was detected in a soil sample collected from 10 to 12 feet bgs, at the bedrock interface, in boring MW-105D in the southwestern portion of the Site.
2. Localized PAH impacts were detected in shallow soil in the vicinity of MW-2 and MW-3 in the western portion of the Site, which appears to be attributed to the historic placement of fill or other Site operations.
3. PAH impacts to sediment within Mine Brook are attributable to releases from historic manufacturing operations and/or placement of fill during channelization of the brook. PAH and metal impacts within a former raceway structure are attributable to releases from historic manufacturing operations. Remediation activities were conducted in the eastern portion of the raceway in 2012, and similar impacts may be present in sediment within the intact portion of the raceway on the western portion of the Site.

11.0 NATURE AND EXTENT OF RELEASE

The following summarizes the nature and extent of the release based on the data collected at the Site.

1. Soils: Localized CVOC impacts have been identified at the bedrock interface in a sample collected from MW-105D. Localized PAH impacts have been identified in shallow soils in the western (MW-2 and MW-3) portion of the Site. Remedial activities conducted to date have addressed CVOC impacts to soil at the northern and southwestern portions of the Site; however, post-excavation confirmatory results indicate that CVOC impacted soil remains in the northern portion of the disposal site. CVOC impacts to soil beneath the existing Site building are unknown. Additional assessment is warranted following demolition.
2. Groundwater: Based on the results of groundwater results collected between 2006 and 2023, both overburden and bedrock groundwater are impacted by CVOCs. As shown on Figure 5, the horizontal extent of CVOC impacts to overburden and bedrock groundwater have not been fully delineated. It is unclear if CVOC impacts identified south of Mine Brook are originating from the Site or from an off-Site source. The vertical extent of CVOC impacts in bedrock groundwater has not been fully delineated.
3. Raceway sediments: There is evidence of PAH and metals impacts to raceway sediments.
4. River sediments: PAHs have historically been detected in sediments in the downstream portion of Mine Brook at the Site.

11.1 ELIMINATION AND CONTROL OF THE SOURCES OF CONTAMINATION

1. Soils: The primary sources of impacts, including historic manufacturing operations and the use and storage of chlorinated solvents are believed to have been removed from the Site; however, data gaps exist within the footprint of the current Site building. Remediation was initiated in 2012 and included the targeted excavation of lead and CVOC impacted soil. Residual CVOC and localized PAH impacted soil is anticipated to be eliminated and controlled through remediation and/or implementation of engineering controls as needed to mitigate exposure to impacts.
2. Groundwater: Removal of CVOC impacted soil which serves as an ongoing source of groundwater impacts was implemented in 2012. The elimination and control of impacted groundwater is anticipated to be accomplished through remediation and implementation of engineering controls.
3. Raceway sediments: The elimination and control of impacted sediments within the existing raceway is anticipated to be accomplished through remediation pending demolition of the existing Site building.
4. River sediments: Dredging or treatment of sediments is not anticipated to address elevated concentrations of PAHs previously detected in Mine Brook.

11.2 EVALUATION OF EXPOSURE PATHWAYS

The following sections evaluate current exposure pathways at the Site.

11.2.1 Evaluation of Critical Exposure Pathways

Critical Exposure Pathways (CEPs) are defined in 310 CMR 40.0006 as those routes by which oil and/or hazardous material(s) (OHM) released at a disposal Site are transported or are likely to be transported, to human receptors via:

1. Vapor-phase emissions of measurable concentrations of OHM into the living or working space of a pre-school, daycare, school, or occupied residential dwelling; and
2. Ingestion, dermal adsorption, or inhalation of measurable concentrations of OHM from drinking water supply wells located at and servicing a pre-school, daycare, school, or occupied residential dwelling.

There is no evidence of CEPs in connection with the impacts at the Site based on the analytical results collected to date. The nearest residential property is located approximately 75 west of the Site, on the western side of Mine Brook at a higher elevation relative to the Site. This residence is presumed to be hydraulically upgradient or cross-gradient to the disposal site due to its position to the waterbody and topography relative to the Site. T&H's 2015 Partial PSSC stated that based on distance and elevation compared to the Site, "there is a low potential for vapor intrusion associated this residence".

11.2.2 Evaluation of Substantial Release Migration

A Condition of Substantial Release Migration (SRM) is defined in 310 CMR 40.0006 as any of the following:

1. Releases that have resulted in the discharge of separate-phase OHM to surface waters, subsurface structures, or underground utilities or conduits;
2. Releases to the ground surface or to the vadose zone that, if not promptly removed or contained, are likely to significantly impact the underlying groundwater, or significantly exacerbate an existing condition of groundwater pollution;
3. Releases to the groundwater that have migrated or are expected to migrate more than 200 feet per year;
4. Releases to the groundwater that have been or are within one year likely to be detected in a public or private water supply well;
5. Releases to the groundwater that have been or are within one year likely to be detected in a surface water body, wetland, or public water supply reservoir; or
6. Releases to the groundwater that have resulted or are within one year likely to result in the discharge of vapors into school buildings or occupied residential dwellings.

There is no evidence of a Condition of SRM at the Site.

11.2.3 Evaluation of Imminent Hazard

There is no evidence that Site conditions satisfied or currently satisfy the criteria for Imminent Hazards identified in 310 CMR 40.0321.

11.3 CONCEPTUAL SITE MODEL

Based on a review of Site information, A Conceptual Site Model (CSM) was prepared, which consolidates the information known about the source(s) and the potential for migration of remaining impacts from these sources. The model was used in the risk characterization that follows. The Disposal Site boundary is depicted in Figure 2.

CVOC impacts in soil, groundwater, and soil vapor are attributable to releases of chlorinated solvents from the former manufacturing facility. Impacted soil remains in the northern and southwestern portions of the Site following remedial activities conducted in 2012. The majority of CVOC impacted soil was identified in the upper six feet bgs; however, localized impacts have been identified at the bedrock interface. CVOCs have migrated vertically to overburden and bedrock groundwater. The vertical and horizontal extent of CVOC impacts to overburden and bedrock groundwater have not been fully delineated. Concentrations trends of CVOCs in groundwater appear to be generally stable or reducing in overburden and bedrock groundwater.

Localized PAH impacts were detected historically in shallow soils in the western portion of the Site. This may be attributed to the historic placement of fill or other historic Site operations.

Metal and PAH impacted sediments within the eastern portion of the raceway were remediated in 2012. Similar impacts may be present in sediment within the intact portion of the raceway in the western portion of the Site. PAHs have historically been detected in sediments in the downstream portion of Mine Brook at the Site, and are attributable to releases from historic manufacturing operations and/or placement of fill during channelization of the brook.

12.0 HUMAN HEALTH RISK CHARACTERIZATION

The purpose of the risk assessment is to evaluate the potential risk posed by Site OHM to health, safety, public welfare, and the environment. A Method 1 Risk Assessment was conducted in accordance with the requirements of 310 CMR 40.0900. This report also evaluates hazard identification and exposure assessments. Evaluation of the impact to human health includes the following components:

1. Hazard Identification: Identification of the constituents present at the Site and the potential hazards posed by these constituents.
2. Exposure Assessment: Identification of current and foreseeable use of the property, identification of the receptors who may be exposed currently or in the future, identification of exposure pathways, identification of soil and groundwater categories, identification of locations or areas where exposure may occur (exposure points), identification of Exposure Point Concentrations.
3. Risk Characterization: Characterization of the risk of harm to human health based on the Exposure Assessment.

A discussion of the uncertainty associated with the estimation of risk to health, safety, public welfare, and the environment is also presented.

12.1 CURRENT SITE ACTIVITY AND USE

The Site is currently unoccupied. The current Site activities and uses that may result in direct contact with Site soil, sediment, and groundwater consists of:

1. Excavation of soil related to construction or utility work; and
2. Dewatering of groundwater.

12.2 FORESEEABLE ACTIVITIES AND USES

For the purpose of the risk assessment, future Site usage was assumed to be unrestricted. The future Site activities and uses that may result in exposure to impacted Site soil, sediment, and groundwater include:

1. Excavation of soil related to construction or utility work;
2. Exposure to groundwater from excavation and/or dewatering; and
3. Exposure to vapors from impacted soils and groundwater.

12.3 SOIL AND GROUNDWATER CATEGORIES

Groundwater at the Site is designated as "GW-2" and "GW-3", as the Site and surrounding area are served by a municipal potable water supply. Based on a review of the MassDEP Phase I Site Assessment Map (included as Appendix A) there are no Public Water Supply Protection Areas or Potentially Productive Aquifers at the Site or within 500 feet of the Site. Zone II Wellhead Protection Areas are located within 0.5-mile

southeast and northwest of the Site. Therefore, groundwater category "GW-1" is not applicable.

For current Site usage, Site soils are categorized as "S-2" and "S-3" based on the following criteria:

1. Frequency of Use: Children are not present at the Site and adults are only present at a low frequency.
2. Intensity of Use: The Intensity of Use is defined as the type of Site Activities and Uses that could result in exposure to the receptor. Under current Site usage, the potential for adult and child intensity of use is low.
3. Accessibility: Site soils are both paved and unpaved and located at impacts have been identified at depths both less than and greater than three feet bgs, and therefore, Site soils are categorized as "accessible" and "potentially accessible".
4. Construction and utility work may occur at the Site and is not restricted. The frequency of this activity is considered low, and the intensity of use is considered high (i.e., short-term excavation or underground utility maintenance activities occurring at infrequent and irregular intervals).

12.4 EXPOSURE POINT CONCENTRATIONS

The soil and groundwater data were first evaluated to determine if a "hot spot" area(s) is (are) present. A hot spot is defined as a discrete area where concentrations of OHM or the thickness of NAPL are substantially higher than those present in the surrounding area. A hot spot can be identified based on consideration of both the concentrations or thickness of OHM within an impacted area and the spatial pattern of that impact. A discrete area where the average concentration within the area is greater than 10 but less than 100 times the average concentration in the immediate surrounding area is a hot spot, unless there is no evidence that the discrete area would be associated with greater exposure potential than the surrounding area.

In all cases, a discrete area where the concentration of OHM is greater than 100 times the concentration in the surrounding area is considered a hot spot. In addition, a hot spot cannot be created as a result of a remedial action, such as excavation. There is no evidence of a hot spot.

Exposure Point Concentrations (EPCs) are the concentrations of OHM in a medium representative of the concentration a receptor may be exposed to over the course of an exposure. EPCs are calculated separately for each medium.

The criteria identified in 310 CMR 40.0926 to calculate EPCs indicates that the arithmetic average can be used if: a) the arithmetic average is less than or equal to the applicable standard or risk-based concentration limit; b) 75 percent of the data points used in the averaging procedure are equal to or less than the applicable standard or risk-based concentration limit; and c) no data point used in the averaging is ten times greater than the applicable standard or risk-based concentration limit.

If these criteria are not met, the use of maximum concentrations or the 95th percentile upper confidence limit on the mean, whichever is lower, shall be used to estimate the EPC. In order to provide a conservative estimate of the risk at the Site, for constituents that do not meet the criteria for use of the average, the maximum concentration is assumed as the EPC for soil and sediment. The maximum concentration was used as the EPC for groundwater and surface water based on the data collected in 2023; if a location was destroyed or otherwise not sampled in 2023, the maximum historic concentration was used as the EPC.

Referring to Table 8, EPCs in accessible and potentially accessible soil for cis-1,2-DCE and TCE exceed their applicable S-1/GW-2, S-2/GW-2, and S-3/GW-2 criteria. No other calculated EPCs for detected compounds in soil exceeded applicable MCP Method 1 Soil Standards.

Referring to Table 9, EPCs in groundwater for TCE and PCE exceed their applicable GW-2 criteria, but are below GW-3 criteria. The EPC for total lead also exceeded its corresponding MCP Method 1 Groundwater Standards due to a sample collected from boring MW-05 in 2006. However, this area was remediated and lead was not detected in groundwater at the Site in 2023. Total lead is not considered a constituent of concern for groundwater at the Site. No other EPCs for detected compounds in groundwater exceeded applicable MCP Method 1 Groundwater Standards.

Referring to Table 10, EPCs in sediment for several PAHs exceeded their applicable MassDEP Stage 1 Sediment Screening Criteria based on historic sediment sampling results. These included anthracene, benzo(a)anthracene, benzo(a)pyrene, chrysene, dibenz(a,h)anthracene, fluoranthene, phenanthrene, and pyrene. No other EPCs for detected compounds in sediment exceeded applicable MassDEP Stage 1 Sediment Screening Criteria.

Referring to Table 11, EPCs in surface water did not exceed their corresponding US EPA recommended water quality criteria.

12.5 CONSTITUENTS OF CONCERN

Based on the evaluation of EPCs presented above, the constituents of concern for Site soils are cis-1,2-DCE and TCE. Constituents of concern for Site groundwater are the TCE and PCE. Constituents of concern for Site sediment are anthracene, benzo(a)anthracene, benzo(a)pyrene, chrysene, dibenz(a,h)anthracene, fluoranthene, phenanthrene, and pyrene. No constituents of concern were identified for Site surface water based on the evaluation of EPCs.

12.6 IDENTIFICATION OF EXPOSURE PATHWAYS

Of the potential exposure pathways considered at the Site, the following were reasonably plausible:

1. Inhalation of soil (as dust);
2. Incidental ingestion of soil;
3. Absorption through dermal contact with soil;
4. Incidental ingestion of groundwater;
5. Absorption through dermal contact with groundwater; and
6. Vapor intrusion.

The exposure pathways described above are consistent with the activity and uses considered in determining the Method 1 Soil and Groundwater risk categories at the Site.

12.7 CHARACTERIZATION OF RISK TO PUBLIC SAFETY

Risk to public safety is separately evaluated in accordance with the MCP 310 CMR 40.0960. In assessing the potential risk to public safety posed by the Site, the following Site conditions were considered:

1. No rusted or corroded drums or containers were observed on-Site;
2. No lagoons, open pits, weakened berms or other dangerous structures were observed on-Site;
3. No un-contained material which exhibits the characteristics of flammability, ignitability, corrosivity or reactivity were observed on-Site; and
4. No infectious material was observed on-Site.

Based on these conditions, a condition of No Significant Risk (NSR) of harm to public safety exists at the Site. It is noted that access to the collapsing Site building is mitigated by a fenced enclosure.

12.8 CHARACTERIZATION OF RISK OF HARM TO PUBLIC WELFARE

The MCP (310 CMR 40.0994) defines two purposes for conducting a risk characterization of risk to public welfare: (a) to identify and evaluate nuisance conditions that may be localized, and (b) to identify and evaluate significant community effects. The risk of harm to public welfare is characterized by comparing the concentration of each constituent of concern to the applicable MCP Method 1 Standards in soil and groundwater. In addition, a level of NSR of harm to public welfare exists or has been achieved if no nuisance conditions, such as noxious odors, persist.

Based on Verdantas' evaluation, there is not a condition of NSR of harm to public welfare at the Site under current and foreseeable future conditions.

12.9 CHARACTERIZATION OF RISK OF HARM TO THE ENVIRONMENT

Based on a review of available data there is a condition of NSR to the environment from OHM detected in soil, sediment, and groundwater at the Site, and potentially significant exposures do not exist for terrestrial ecological receptors.

13.0 CONCLUSIONS AND LSP OPINION

The following conclusions can be made based on the results of the comprehensive site assessment activities completed at the Site to date:

1. Based on the results of groundwater collected between 2006 and 2023, both overburden and bedrock groundwater are impacted by CVOCs, with tetrachloroethylene (PCE) and trichloroethylene (TCE) detected at concentrations exceeding their applicable Massachusetts Contingency Plan (MCP) Method 1 Groundwater Standards:
    i. The vertical and horizontal extents of CVOC impacts to overburden and bedrock groundwater have not been fully delineated.
    ii. It is unclear if CVOC impacts identified south of Mine Brook are originating from the Site or from an off-Site source (i.e., Lot 26).
    iii. Concentrations trends of CVOCs in groundwater appear to be generally stable or decreasing in Site overburden and bedrock monitoring wells.
    iv. Based on recent groundwater analytical results there is no evidence of vapor intrusion impacts to the south of Mine Brook.
2. CVOC impacted soil is present in the northern and southwestern portions of the Site. The majority of CVOC impacted soil was identified in the upper six feet below ground surface (bgs); however, localized impacts have been identified at the bedrock interface. Data gaps exist within the footprint of the current Site building.
3. The source of CVOC impacts to soil and groundwater are attributable to historic manufacturing operations.
4. Localized PAH impacts are present in surficial soils in the vicinity of MW-2 and MW-3 in the western portion of the Site. The suspect source is attributed to the historic placement of fill or other historic Site operations. PAH impacts to sediment within Mine Brook are attributable to releases from historic manufacturing operations and/or placement of fill during channelization of the brook. PAH and metal impacts to soils within a former raceway structure are attributable to releases from historic manufacturing operations. Remediation activities were conducted in the eastern portion of the raceway in 2012, and similar impacts are likely present within the intact portion of the raceway in the western portion of the Site.
5. The Partial PSSC supports the implementation of remedial measures to mitigate potential vapor intrusion impacts to future receptors, which is consistent with portions of the Site at which there is evidence of CVOC impacts exceeding MCP Method 1 GW-2 Groundwater concentrations and localized areas of CVOC impacts to soils.
6. Additional assessment activities are recommended to address data gaps related to the extent of CVOC impacts to soil and overburden and bedrock groundwater. A Method 3 Risk Characterization is recommended to characterize the risk of harm to health, public welfare, and the environment for sediment, surface water, and indoor air at the Site.
7. Comprehensive Remedial Actions are necessary at the Site to achieve a Permanent Solution as described in 310 CMR 40.1000 and to achieve a Conditions of No Significant Risk (NSR). A Phase III study for the identification, evaluation, and

selection of Comprehensive Remedial Action Alternatives (RAAs), as described in 310 CMR, is necessary to select an appropriate RAA.

In accordance with 310 CMR 40.1403(3) (e) and (h), notification to the Chief Municipal Officer and Board of Health are required following the submittal of a Phase II CSA Report to MassDEP. A copy of the notice is included in Appendix H.

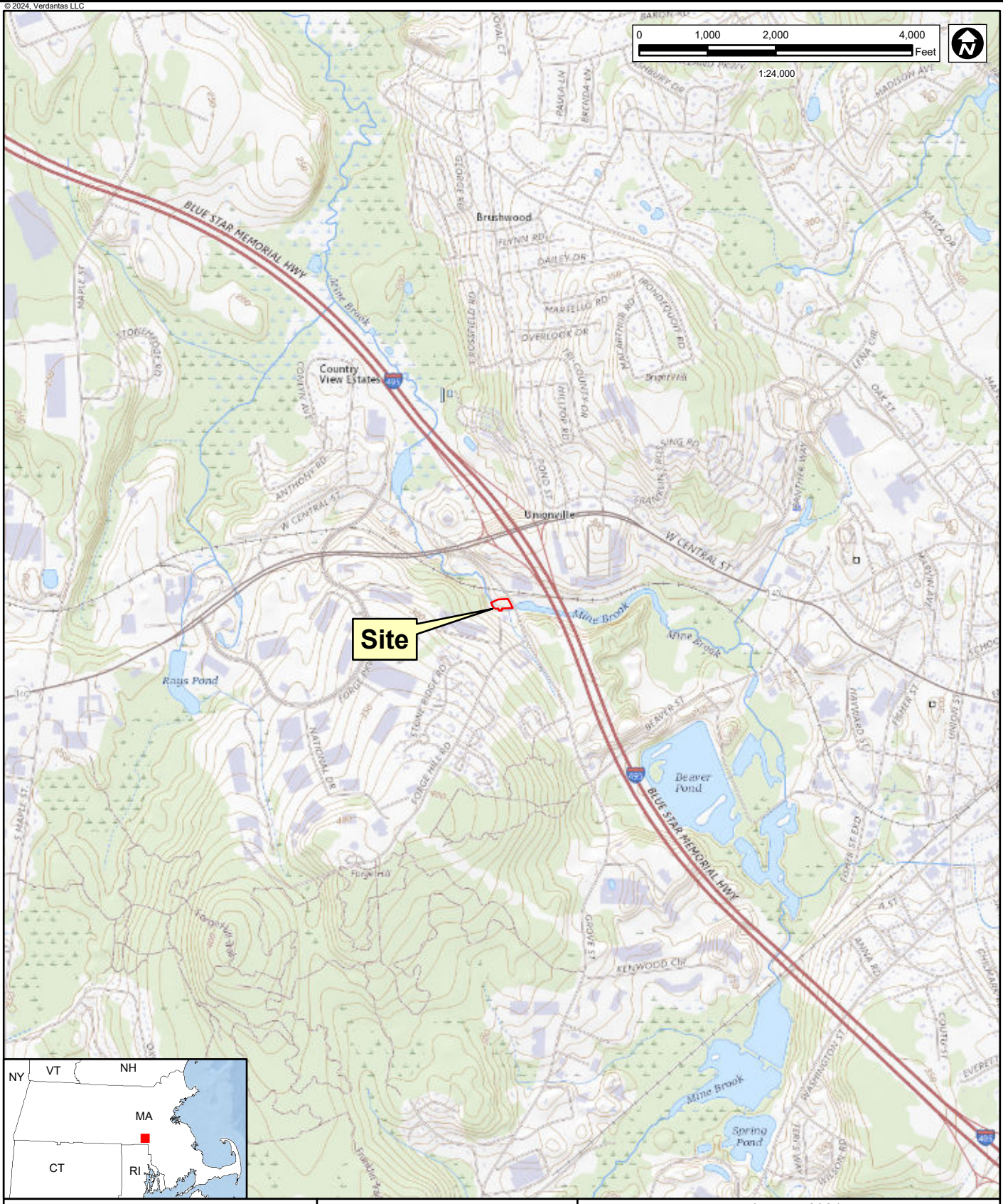
14.0 LIMITATIONS

This report was prepared for the use of the Town of Franklin, Massachusetts. The findings provided by Verdantas in this report were based solely on the information reported in this document. Should additional information become available in the future, this information should be reviewed by Verdantas, and the findings presented herein may be modified.

FIGURES

FIGURE 1 **SITE LOCATION MAP**
FIGURE 2 **SITE PLAN**
FIGURE 3 **OVERBURDEN GROUNDWATER CONTOUR MAP – SEPTEMBER 2023**
FIGURE 4 **BEDROCK GROUNDWATER CONTOUR MAP – SEPTEMBER 2023**
FIGURE 5 **CURRENT EXTENT OF CVOC IMPACTS IN GROUNDWATER**

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PEOPLE FOCUSED FUTURE

Legend

Subject Property

Latitude 42°05'14"N
Longitude 71°25'42"W

Source: The USGS topo quad is from The National Geographic Society, i-cubed web service "USA Topo Maps".

January 2024

Former NuStyle Property
Town of Franklin

Site Location Map

21 Grove Street
Franklin, Massachusetts

Figure

1

Produced Using Esri's ArcGIS Software

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Note: The parcels and easements were acquired from the MassGIS Level 3 Parcel Data Layer; the aerial was acquired from the MassGIS imagery service "2021 USGS Color Ortho Imagery for Massachusetts". Site features are approximately located and acquired from three map sources: 1] "Site Plan" prepared by Fuss & O'Neill, dated January 2008 & March 2013; 2] "Nobis Sampling Locations" prepared by Nobis Engineering, Inc. dated May 2013; 3] "Disposable Site Boundary" prepared by Tata & Howard, dated September 2015.

0 15 30 60 Feet

1:360

Approximate Remaining Area of Chlorinated VOC in Soil

Old Forge Hill Rd ROW

Lot 276-028-000-000 15 GROVE ST

Northwest Corner Excavation

Northeast Corner Excavation

Lot 276-002-000-000 20 GROVE ST

Mine Brook

B-10

MW-204

MW-204D

MW-5/B-9

B-15

B-11

B-6

MW-14/B-14

MW-16/B-16

MW-201

MW-201D

GROVE STREET

Demolished/Filled Former Tunnel Structure

Intact Former Tunnel Structure

SD-5

MW-103S

MW-103D

Former Industrial Building

Utility ROW

MW-3/B-7

SW/SD-1

B-5

SD-6

MW-102S

Vacant Building

SED-104

SD-7

MW-203

Former UST

MW-102D

Lot 276-022-000-000 21 GROVE ST

MW-13/B-13

MW-203D

MW-104S

Lot 276-021-000-000 15 OLD FORGE HILL RD

B-12

B-4 Excavation

MW-105S

MW-105D

MW-104D

MW-19

MW-18

B-4

MW-2/B-3

Cutoff Drain Pipe On Side of Foundation

MW-4/B-8

Mine Brook

SW/SD-2

SED-103

SED-102

SED-101

SW/SD-3

B-2

Lot 276-004-000-000 0 GROVE ST

Lot 276-020-000-000 0 GROVE ST

MW-202

Cutoff Drain Pipe On Side of Bridge

SW/SD-4

MW-202D

MW-101D

MW-101S

MW-1/B-1

MW-106D

MW-106S

Lot 276-026-000-000 25 GROVE ST

OLD FORGE HILL ROAD

MW-17/B-17

Lot 276-019-000-000 7 OLD FORGE HILL RD

Legend

- Overburden Monitoring Well
- Bedrock Monitoring Well (S = Shallow Bedrock, D = Deep Bedrock)
- Missing/Destroyed Monitoring Well
- Soil Boring
- Sediment Sample
- Historic Sediment and Surface Water Sample
- Subject Property
- Tax Parcels (M101)
- Easement
- Old Forge Rd ROW
- Disposal Site Boundary (dashed where inferred)
- Area of Disposal Site Subject to the Permanent Solution - Partial
- Area of Excavation
- Former UST

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Former NuStyle Property
Town of Franklin

Site Plan

21 Grove Street
Franklin, Massachusetts

Figure 2

Produced Using Esri's ArcGIS Software

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0 15 30 60 Feet

1:360

GROVE STREET

Mine Brook

MW-204
96.50

MW-201
97.13

MW-3
NA

MW-203
90.11

MW-2
90.37

MW-202
90.81

MW-1
NA

MW-17
NA

97
96
95
94
93
92
91

OLD FORGE HILL ROAD

GROVE STREET

Legend
- Subject Property
- Overburden Monitoring Well
- Water Table Elevation Contour
- 90.37 Water Table Elevation (ft)

Produced Using Esri's ArcGIS Software

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January 2024

Former NuStyle Property
Town of Franklin

Water Table Elevation Contour Map
October 2023

21 Grove Street
Franklin, Massachusetts

Figure
3

File: Z:\GIS\Projects\028\0000017356_NuStyle_Franklin\Projects\17356_Franklin.aprx Edited: 1/31/2024 User: drolls

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0 15 30 60 Feet

1:360

GROVE STREET

Mine Brook

MW-204D 96.92

MW-14 NA

MW-201D 96.60

96

95

94

93

92

91

90

MW-103S NA

MW-102S NA

MW-203D 89.53

MW-105S NA

MW-104S NA

OLD FORGE HILL ROAD

Mine Brook

MW-202D 90.86

MW-101S 92.02

MW-106S NA

GROVE STREET

Legend

- Subject Property
- Shallow Bedrock Monitoring Well
- Bedrock Groundwater Contour (ft)
- 90.86 Bedrock Groundwater Elevation (ft)

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Former NuStyle Property
Town of Franklin

Bedrock Groundwater Contour Map October 2023

21 Grove Street
Franklin, Massachusetts

Figure 4

Produced Using Esri's ArcGIS Software

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0 15 30 60 Feet

1:360

N

Mine Brook

GROVE STREET

MW-204
MW-204D
MW-5/B-9
MW-14/B-14
MW-16/B-16
MW-201
MW-201D
MW-103S
MW-103D
MW-3/B-7
MW-102S
MW-102D
MW-203
MW-203D
MW-13/B-13
MW-105S
MW-104S
MW-104D
MW-105D
MW-18
MW-19
MW-2/B-3
MW-4/B-8
Mine Brook
MW-202
MW-202D
MW-101D
MW-101S
MW-106D
MW-106S
MW-1/B-1
MW-17/B-17
OLD FORGE HILL ROAD
GROVE STREET

Legend

- Subject Property
- Tax Parcels (M101)
- Disposal Site Boundary (dashed where inferred)
- Extent of CVOC Impacts in Overburden (dashed where inferred)
- Extent of CVOC Impacts in Shallow Bedrock (dashed where inferred)
- Overburden Monitoring Well
- Bedrock Monitoring Well (S = Shallow Bedrock, D = Deep Bedrock)
- Missing/Destroyed Monitoring Well

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PEOPLE FOCUSED FUTURE

January 2024

Former NuStyle Property
Town of Franklin

Current Extent of CVOC Impacts in Groundwater

21 Grove Street
Franklin, Massachusetts

Figure 5

Produced Using Esri's ArcGIS Software

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TABLES

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TABLE 11	SUMMARY OF SURFACE WATER EXPOSURE POINT CONCENTRATIONS

TABLE 1
SUMMARY OF HISTORICAL SOIL ANALTYICAL RESULTS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	B-02	B-02	B-04	B-04	B-05	B-05	B-06	B-06	B-10	B-10	B-11	B-11	B-12	B-15	MW-1	MW-1	MW-2	MW-2	MW-3	MW-3	MW-4	MW-4	MW-05
									Depth	0 - 2 ft	5 - 7 ft	0 - 2 ft	5 - 6 ft	0.4 - 2 ft	5 - 7 ft	0 - 0.5 ft	1 - 2 ft	0 - 2 ft	5 - 7 ft	0 - 2 ft	5 - 7 ft	0 - 2 ft	2 - 4 ft	0.5 - 2 ft	3 - 5 ft	0 - 3 ft	5 - 7 ft	0 - 2 ft	5 - 7 ft	0 - 2 ft	5 - 7 ft	0.4 - 2 ft
									Date	11/30/2006	11/30/2006	11/30/2006	11/30/2006	11/30/2006	11/30/2006	11/30/2006	11/30/2006	12/1/2006	12/1/2006	12/1/2006	12/1/2006	12/1/2006	11/1/2007	11/30/2006	11/30/2006	11/30/2006	11/30/2006	11/30/2006	11/30/2006	11/30/2006	11/30/2006	12/1/2006
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Excavated (Yes/No)	No	No	Yes	Yes	No	No	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes
8260																																
1,1,1-Trichloroethane	mg/kg	500	500	600	1,000	600	3,000	10,000		<0.0051	<0.0058	<0.570	<1,100	<0.0050	<0.0053	<1,100	<0.0058	<0.270	<0.0054	<0.0050	<0.0057	<0.0052	<1.200	<0.0053	<0.0056	<0.0053	<0.0055	<0.0052	<0.0054	**0.073**	<0.0046	<0.0046
Acetone	mg/kg	50	400	50	400	50	400	10,000		<0.020	<0.023	<2.300	<4.500	<0.020	<0.021	<4.300	<0.023	<1.100	<0.022	<0.020	**0.03**	<0.021	<1.200	<0.021	<0.022	<0.021	<0.022	<0.021	<0.022	<0.021	<0.018	<0.018
cis-1,2-Dichloroethene	mg/kg	0.1	100	0.1	500	0.1	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
m,p-Xylenes	mg/kg	100	500	100	1,000	100	3,000	NS		**0.007**	<0.0058	<0.350	<0.340	<0.0050	<0.0053	<0.300	<0.0058	<0.270	<0.0054	<0.0050	<0.0057	<0.0052	<1.200	<0.0053	<0.0056	<0.0053	<0.0055	<0.0052	<0.0054	<0.0052	<0.0046	<0.0046
Methyl ethyl Ketone	mg/kg	50	400	50	400	50	400	10,000		<0.010	<0.012	<1.100	<2.300	<0.010	<0.010	<2.100	<0.012	<0.550	<0.011	<0.010	<0.011	<0.010	<1.200	<0.010	<0.011	<0.011	<0.011	<0.010	<0.011	<0.010	<0.0092	<0.0092
Naphthalene	mg/kg	20	500	20	1,000	20	3,000	10,000		<0.0051	**0.01**	<0.110	<0.110	<0.0050	<0.0053	<0.110	<0.0058	<0.100	<0.0054	<0.0050	<0.0057	<0.0052	<1.200	<0.0053	<0.0056	<0.0053	<0.0055	**0.26**	<0.0054	<0.0052	<0.0046	<0.0046
Tetrachloroethene	mg/kg	10	30	10	200	10	1,000	10,000		<0.0051	<0.0058	**15**	**20**	**0.11**	**0.022**	**34**	**0.31**	**4.3**	**0.048**	**0.04**	**0.045**	**0.011**	**40**	<0.0053	<0.0056	**0.028**	**0.045**	**0.13**	**0.12**	**0.013**	**0.026**	<0.0046
Toluene	mg/kg	500	500	1,000	1,000	2,000	3,000	10,000		**0.017**	<0.0058	<0.350	<0.340	<0.0050	<0.0053	<0.300	<0.0058	<0.270	<0.0054	**0.016**	<0.0057	<0.0052	<1.200	<0.0053	<0.0056	<0.0053	<0.0055	<0.0052	<0.0054	<0.0052	<0.0046	<0.0046
trans-1,2-Dichloroethene	mg/kg	1	500	1	1,000	1	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Trichloroethene	mg/kg	0.3	30	0.3	60	0.3	60	600		<0.0051	<0.0058	**19**	**31**	**0.058**	**0.0096**	**6.7**	**0.079**	**9.3**	**0.15**	**0.005**	<0.0057	**0.0065**	**9.2**	<0.0053	<0.0056	**0.012**	**0.021**	**0.15**	**0.067**	**0.037**	**0.024**	<0.0046
Vinyl Chloride	mg/kg	0.7	1	0.7	7	0.7	60	600		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
EPA Methods 6010/6020/7471																																
Antimony	mg/kg	20	20	30	30	30	30	300		<0.56	<0.59	<0.57	<0.57	<0.53	<0.54	<0.54	<0.59	<0.50	<0.50	<0.54	<0.60	<0.56	BRL	<0.53	<0.56	<0.59	<0.57	<0.55	<0.55	<0.56	<0.55	**6.5**
Arsenic	mg/kg	20	20	20	20	50	50	500		**1.2**	<0.59	<0.57	**2**	**1.1**	<0.54	<0.54	**1.8**	<0.50	<0.50	**1.8**	<0.60	**3.1**	BRL	<0.50	<0.56	**6.6**	**2.6**	<0.55	<0.55	<0.56	<0.55	**3.1**
Barium	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**36**	**20**	**48**	**24**	**39**	**10**	**28**	**26**	**16**	**9.6**	**23**	**34**	**30**	BRL	**16**	**24**	**36**	**36**	**18**	**11**	**14**	**17**	**110**
Beryllium	mg/kg	90	90	200	200	200	200	2,000		**0.21**	**0.19**	**0.34**	**0.36**	**0.25**	**0.13**	**0.18**	**0.16**	**0.7**	**0.91**	**0.16**	**0.38**	**0.26**	BRL	**0.19**	**0.57**	**0.22**	**0.15**	**0.12**	**0.17**	**0.24**	**0.15**	**0.37**
Cadmium	mg/kg	70	70	100	100	100	100	1,000		**0.17**	**0.14**	**0.34**	**0.19**	**0.22**	<0.11	**0.46**	**0.13**	<0.10	<0.10	**0.26**	<0.12	**0.19**	BRL	<0.10	<0.11	**0.13**	<0.11	**0.16**	<0.11	**0.15**	<0.11	**0.54**
Chromium	mg/kg	100	100	200	200	200	200	2,000		**7.1**	**6**	**8.4**	**5.4**	**5.1**	**3.5**	**5.8**	**7.4**	**5.2**	**1.9**	**5.4**	**4.4**	**6**	BRL	**3.2**	**5.3**	**35**	**4.1**	**2.2**	**5.5**	**6**	**5.7**	**27**
Copper	mg/kg	NS	NS	NS	NS	NS	NS	NS		**91**	**43**	**13**	**18**	**32**	**3.4**	**31**	**20**	**6.3**	**1.9**	**8.5**	**2.9**	**37**	BRL	**4.9**	**12**	**160**	**9**	**5**	**2.9**	**2**	**25**	**29**
Lead	mg/kg	200	200	600	600	600	600	6,000		**40**	**18**	**8.4**	**22**	**20**	**1.6**	**97**	**25**	**2.9**	**4.8**	**17**	**4.3**	**93**	BRL	**4.9**	**8.1**	**25**	**89**	**9.2**	**2.6**	**3.4**	**4.7**	**780**
Mercury	mg/kg	20	20	30	30	30	30	300		**0.029**	<0.024	**0.034**	**0.051**	**0.023**	<0.022	<0.021	**0.065**	**0.023**	<0.021	**0.032**	<0.024	**0.044**	BRL	<0.021	<0.022	**0.14**	<0.023	<0.022	<0.022	<0.023	<0.022	**0.073**
Nickel	mg/kg	600	600	1,000	1,000	1,000	1,000	10,000		**4**	**3.6**	**23**	**37**	**4.9**	**14**	**10**	**2.6**	**3.6**	**1**	**3.2**	**1.7**	**130**	BRL	**2.6**	**3.3**	**6.2**	**5**	**3.2**	**1.8**	**2**	**2**	**6.4**
Vanadium	mg/kg	400	400	700	700	700	700	7,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Zinc	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**85**	**63**	**20**	**26**	**48**	**6.8**	**71**	**14**	**22**	**15**	**48**	**8.4**	**28**	BRL	**10**	**13**	**27**	**54**	**14**	**6.3**	**4**	**16**	**310**
EPH (MADEP Method)																																
2-Methylnaphthalene	mg/kg	80	300	80	500	80	500	5,000		<0.110	<0.110	<0.110	<0.110	<0.100	<0.110	<0.110	<0.120	<0.100	<0.100	<0.110	<0.110	<0.110	BRL	<0.100	<0.100	**0.21**	<0.110	**0.2**	<0.100	<0.110	<0.100	<0.110
Acenaphthene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**0.74**	<0.110	<0.110	<0.110	**0.22**	<0.110	<0.110	<0.120	<0.100	<0.100	<0.110	<0.110	<0.110	BRL	<0.100	<0.100	<0.110	<0.110	**0.56**	<0.100	<0.110	<0.100	<0.110
Acenaphthylene	mg/kg	600	10	600	10	600	10	10,000		**0.24**	**0.34**	**0.23**	**0.25**	<0.100	<0.110	**0.26**	<0.120	**0.2**	<0.100	<0.110	<0.110	**0.12**	BRL	**0.27**	<0.100	**1.3**	**0.35**	**0.15**	**0.12**	<0.110	<0.100	<0.110
Anthracene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<0.110	**0.32**	**0.2**	<0.110	**0.97**	<0.110	**0.34**	<0.120	**0.25**	<0.100	<0.110	<0.110	<0.110	BRL	**0.39**	<0.100	**2**	<0.110	**1.8**	<0.100	<0.110	<0.100	<0.110
Benzo(a)anthracene	mg/kg	7	7	40	40	300	300	3,000		<0.110	**1**	**0.33**	**0.31**	**1.1**	<0.110	**0.56**	<0.120	**1.5**	<0.100	<0.110	<0.110	**0.49**	BRL	**1.2**	<0.100	**4.4**	**0.2**	**2.8**	<0.100	<0.110	<0.100	<0.110
Benzo(a)pyrene	mg/kg	2	2	7	7	30	30	300		<0.110	**1**	<0.110	<0.110	<0.100	<0.110	<0.110	<0.120	**2**	<0.100	<0.110	<0.110	<0.110	BRL	**1.1**	<0.100	**3.9**	<0.110	**2.2**	<0.100	<0.110	<0.100	<0.110
Benzo(b)fluoranthene	mg/kg	7	7	40	40	300	300	3,000		<0.110	**1.4**	**0.56**	<0.110	<0.100	<0.110	<0.110	<0.120	**2**	<0.100	<0.110	<0.110	**0.29**	BRL	**1.7**	<0.100	**5.6**	<0.110	**2.6**	**0.23**	<0.110	<0.100	<0.110
Benzo(k)fluoranthene	mg/kg	70	70	400	400	3,000	3,000	10,000		<0.110	**0.54**	**0.17**	<0.110	<0.100	<0.110	<0.110	<0.120	**0.86**	<0.100	<0.110	<0.110	<0.110	BRL	**0.6**	<0.100	**1.9**	<0.110	**1.1**	<0.100	<0.110	<0.100	<0.110
Chrysene	mg/kg	70	70	400	400	3,000	3,000	10,000		<0.110	**1.2**	**0.64**	**0.59**	**1.2**	<0.110	**0.81**	<0.120	**0.12**	<0.100	<0.110	<0.110	<0.110	BRL	**1.6**	<0.100	**4.5**	**0.28**	**2.8**	**0.44**	<0.110	<0.100	<0.110
Fluoranthene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**0.49**	**2.1**	**0.38**	**0.41**	**2.3**	<0.110	**0.94**	<0.120	**1.3**	<0.100	<0.110	<0.110	**1.3**	BRL	**2.2**	<0.100	**8.2**	**0.32**	**6.7**	<0.100	<0.110	<0.100	<0.110
Fluorene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<0.110	<0.110	<0.110	<0.110	**0.23**	<0.110	<0.110	<0.120	<0.100	<0.100	<0.110	<0.110	<0.110	BRL	<0.100	<0.100	**0.39**	<0.110	**0.63**	<0.100	<0.110	<0.100	<0.110
Indeno(1,2,3-c,d)pyrene	mg/kg	7	7	40	40	300	300	3,000		<0.110	<0.110	<0.110	<0.110	<0.100	<0.110	<0.110	<0.120	**0.26**	<0.100	<0.110	<0.110	<0.110	BRL	<0.100	<0.100	<0.110	<0.110	<0.100	<0.100	<0.110	<0.100	<0.110
Phenanthrene	mg/kg	500	500	1,000	1,000	3,000	3,000	10,000		**0.35**	**1.1**	**0.15**	**0.19**	**2.3**	<0.110	**0.47**	<0.120	**0.26**	<0.100	<0.110	<0.110	**0.94**	BRL	**0.99**	<0.100	**3.5**	**0.2**	**7.6**	<0.100	<0.110	<0.100	<0.110
Pyrene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<0.110	**2**	**0.47**	**0.41**	**2**	<0.110	**0.99**	<0.120	**1.6**	<0.100	<0.110	<0.110	**1.2**	BRL	**2.2**	<0.100	**6.2**	**0.31**	**6**	<0.100	<0.110	<0.100	<0.110
C11-C22 Aromatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**17**	**32**	**40**	**61**	**33**	<11	**92**	<12	**25**	<10	**18**	<11	**28**	BRL	**100**	**16**	**110**	**20**	**52**	**81**	<11	<10	<11
C19-C36 Aliphatics	mg/kg	3,000	3,000	5,000	5,000	5,000	5,000	20,000		<11	<11	<11	<11	<10	<11	**24**	<12	<10	<10	<11	<11	**16**	BRL	**40**	**14**	<11	<11	<10	**38**	<11	<10	<11
C9-C18 Aliphatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	20,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
VPH (MADEP Method)																																
C9-C12 Aliphatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	20,000		<6.9	<8.8	<7	<6.9	<5.9	<6.5	<5.9	<7.8	<6.4	<6.1	<12	<8	<6.8	BRL	<6.2	<6.5	<7.9	<7	<6.4	<6.4	<7.6	<6.1	**14**

Notes:
BRL - Compound not detected above laboratory reporting limit, or sample not analyzed for compound.
NS - No Standard
mg/kg - milligram per kilogram
UCL - Upper Concentration Limit
< - indicates the compound was not detected at a concentrations greater than the provided laboratory reporting limit.
Bold - Compound detected above laboratory reporting limit.
Shaded Cell - Detected concentration exceeds one or more of the following criteria:

S-1/GW-2 - 2019 MCP Method 1 Soil Standard
S-1/GW-3 - 2019 MCP Method 1 Soil Standard
S-2/GW-2 - 2019 MCP Method 1 Soil Standard
S-2/GW-3- 2019 MCP Method 1 Soil Standard
S-3/GW-2 - 2019 MCP Method 1 Soil Standard
S-3/GW-3 - 2019 MCP Method 1 Soil Standard
UCL - Soil - MA Upper Concentration Limit for Soil

TABLE 1
SUMMARY OF HISTORICAL SOIL ANALTYICAL RESULTS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	MW-05	MW-13	MW-17	MW-17	MW-101D	MW-103D	MW-105D	MW106D-0406	East Sidewall	West Sidewall	North Sidewall	South Sidewall	West Bottom	East Bottom	Northeast Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area
									Depth	5 - 7 ft	10 - 12 ft	0.3 - 2 ft	6 - 8 ft	6 - 8 ft	4 - 6 ft	10 - 12 ft	4 - 6 ft	0 - 3 ft	0 - 4 ft	0 - 3 ft	0 - 4 ft	0 - 9 ft	0 - 8 ft	5 - 6 ft	0 - 1.5 ft	0 - 1.5 ft	0 - 2 ft	2 - 3 ft	3 - 4 ft	3 - 4 ft	5 - 6 ft
									Date	12/1/2006	10/31/2007	11/1/2007	11/1/2007	5/8/2013	5/7/2013	5/8/2013	5/9/2013	5/1/2008	5/1/2008	5/1/2008	5/1/2008	5/1/2008	5/1/2008	9/18/2012	8/20/2012	8/20/2012	8/20/2012	8/20/2012	8/20/2012	8/20/2012
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Excavated (Yes/No)	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No	No	No	Yes	No
8260																															
1,1,1-Trichloroethane	mg/kg	500	500	600	1,000	600	3,000	10,000		<0.0056	<0.0032	<0.0064	<0.0047	BRL	BRL	BRL	BRL	<0.0056	<0.0048	<0.0060	<0.0048	<0.0052	**0.012**	BRL	<1.20	<0.002	<0.0019	<0.0020	<0.0019	<0.0018	<0.0027
Acetone	mg/kg	50	400	50	400	50	400	10,000		<0.022	<0.0032	**0.011**	**0.028**	BRL	BRL	BRL	BRL	**0.0088**	**0.006**	**0.0072**	**0.0079**	**0.0093**	<0.0050	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
cis-1,2-Dichloroethene	mg/kg	0.1	100	0.1	500	0.1	500	5,000		BRL	BRL	BRL	BRL	<0.002	<0.0023	**12**	<0.0027	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
m,p-Xylenes	mg/kg	100	500	100	1,000	100	3,000	NS		<0.0056	<0.0032	<0.0064	<0.0047	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methyl ethyl Ketone	mg/kg	50	400	50	400	50	400	10,000		<0.011	<0.0032	<0.0064	**0.0066**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	mg/kg	20	500	20	1,000	20	3,000	10,000		<0.0056	<0.0032	**0.14**	<0.0047	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tetrachloroethene	mg/kg	10	30	10	200	10	1,000	10,000		<0.0056	**0.0064**	<0.0064	<0.0047	<0.002	**0.0035**	**0.064**	<0.0027	**0.046**	**0.0065**	<0.0060	<0.0048	<0.0052	**0.012**	BRL	**180**	**0.03**	<0.0019	**0.031**	**2.0**	**3.5**	**0.14**
Toluene	mg/kg	500	500	1,000	1,000	2,000	3,000	10,000		<0.0056	<0.0032	<0.0064	<0.0047	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
trans-1,2-Dichloroethene	mg/kg	1	500	1	1,000	1	3,000	10,000		BRL	BRL	BRL	BRL	<0.002	<0.0023	**0.0097**	<0.0027	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Trichloroethene	mg/kg	0.3	30	0.3	60	0.3	60	600		<0.0056	**0.0035**	<0.0064	<0.0047	**0.013**	<0.0023	**0.085**	<0.0027	**0.0069**	<0.0048	<0.0060	<0.0048	<0.0052	**0.011**	BRL	**280**	**4**	<0.0019	**0.038**	**0.9**	**13**	**0.012**
Vinyl Chloride	mg/kg	0.7	1	0.7	7	0.7	60	600		BRL	BRL	BRL	BRL	<0.01	<0.012	**0.054**	<0.014	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
EPA Methods 6010/6020/7471																															
Antimony	mg/kg	20	20	30	30	30	30	300		**6.9**	BRL	**1**	<0.18	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.6	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Arsenic	mg/kg	20	20	20	20	50	50	500		<0.50	BRL	**3**	**1.3**	**5.2**	<2.7	**12**	<2.8	**1.0**	**0.69**	**0.69**	**1.3**	**0.65**	**0.77**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Barium	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**55**	BRL	**26**	**15**	**60**	**43**	**35**	**23**	**30**	**13**	**12**	**30**	**10**	**16**	**31**	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Beryllium	mg/kg	90	90	200	200	200	200	2,000		**0.17**	BRL	**0.35**	**0.24**	BRL	BRL	BRL	BRL	**0.057**	**0.057**	<0.052	<0.052	**0.067**	**0.064**	<0.26	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Cadmium	mg/kg	70	70	100	100	100	100	1,000		**0.18**	BRL	**0.6**	**0.37**	**0.53**	**0.35**	**0.64**	<0.28	**0.36**	**0.29**	<0.10	**0.26**	**0.13**	**0.39**	<0.26	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chromium	mg/kg	100	100	200	200	200	200	2,000		**26**	BRL	**24**	**15**	**27**	**29**	**5.4**	**5.3**	**3.6**	**1.7**	**0.72**	**1.2**	**1.0**	**3.2**	**7.3**	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Copper	mg/kg	NS	NS	NS	NS	NS	NS	NS		**9.5**	BRL	**110**	**11**	**57**	**10**	**6.4**	**3.5**	**32**	**13**	**4.3**	**18**	**11**	**60**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Lead	mg/kg	200	200	600	600	600	600	6,000		**310**	BRL	**68**	**7.1**	**20**	**49**	**7.2**	**5.1**	**46**	**3.6**	**1.2**	**30**	**3.7**	**45**	**42**	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Mercury	mg/kg	20	20	30	30	30	30	300		<0.023	BRL	**0.12**	**0.028**	<0.0027	**0.052**	<0.033	<0.0027	BRL	BRL	BRL	BRL	BRL	BRL	<0.026	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Nickel	mg/kg	600	600	1,000	1,000	1,000	1,000	10,000		**6.3**	BRL	**4.3**	**4.7**	**7.5**	**14**	**16**	**2.7**	**190**	**3.3**	**5.3**	**30**	**8.0**	**280**	**5.7**	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Vanadium	mg/kg	400	400	700	700	700	700	7,000		BRL	BRL	BRL	BRL	**10**	**16**	**15**	**11**	BRL	BRL	BRL	BRL	BRL	BRL	**18**	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Zinc	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**84**	BRL	**73**	**28**	**52**	**93**	**67**	**22**	**94**	**13**	**7.0**	**26**	**13**	**120**	**33**	BRL	BRL	BRL	BRL	BRL	BRL	BRL
EPH (MADEP Method)																															
2-Methylnaphthalene	mg/kg	80	300	80	500	80	500	5,000		<0.110	BRL	<0.130	<0.120	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Acenaphthene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<0.110	BRL	**0.15**	<0.120	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Acenaphthylene	mg/kg	600	10	600	10	600	10	10,000		<0.110	BRL	**0.26**	<0.120	BRL	BRL	BRL	BRL	**0.38**	<0.100	<0.100	<0.100	<0.100	**0.16**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Anthracene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<0.110	BRL	**0.64**	<0.120	BRL	BRL	BRL	BRL	**0.32**	<0.100	<0.100	<0.100	<0.100	**0.17**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(a)anthracene	mg/kg	7	7	40	40	300	300	3,000		<0.110	BRL	**1.8**	<0.120	BRL	BRL	BRL	BRL	**0.64**	<0.100	<0.100	<0.100	<0.100	**0.41**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(a)pyrene	mg/kg	2	2	7	7	30	30	300		<0.110	BRL	**1.6**	<0.120	BRL	BRL	BRL	BRL	**1.1**	<0.100	<0.100	<0.100	<0.100	**0.36**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(b)fluoranthene	mg/kg	7	7	40	40	300	300	3,000		<0.110	BRL	**1.8**	<0.120	BRL	BRL	BRL	BRL	**0.52**	<0.100	<0.100	<0.100	<0.100	**0.18**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(k)fluoranthene	mg/kg	70	70	400	400	3,000	3,000	10,000		<0.110	BRL	**1.3**	<0.120	BRL	BRL	BRL	BRL	<0.100	<0.100	<0.100	<0.100	<0.100	**0.27**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chrysene	mg/kg	70	70	400	400	3,000	3,000	10,000		<0.110	BRL	**1.7**	<0.120	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Fluoranthene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<0.110	BRL	**3.9**	**0.18**	BRL	BRL	BRL	BRL	**2.0**	<0.100	<0.100	<0.100	<0.100	**1.1**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Fluorene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<0.110	BRL	**0.28**	<0.120	BRL	BRL	BRL	BRL	<0.100	<0.100	<0.100	<0.100	<0.100	**0.12**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Indeno(1,2,3-c,d)pyrene	mg/kg	7	7	40	40	300	300	3,000		<0.110	BRL	**1.2**	<0.120	BRL	BRL	BRL	BRL	**0.26**	<0.100	<0.100	<0.100	<0.100	<0.097	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Phenanthrene	mg/kg	500	500	1,000	1,000	3,000	3,000	10,000		<0.110	BRL	**2.8**	**0.29**	BRL	BRL	BRL	BRL	**0.86**	<0.100	<0.100	<0.100	<0.100	**0.61**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Pyrene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<0.110	BRL	**3.6**	**0.18**	BRL	BRL	BRL	BRL	**1.3**	<0.100	<0.100	<0.100	<0.100	**0.57**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
C11-C22 Aromatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<11	BRL	**60**	**17**	BRL	BRL	BRL	BRL	**54**	<10	<10	<10	<10	**59**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
C19-C36 Aliphatics	mg/kg	3,000	3,000	5,000	5,000	5,000	5,000	20,000		<11	BRL	**18**	<12	BRL	BRL	BRL	BRL	**61**	<10	<10	<10	<10	**140**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
C9-C18 Aliphatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	20,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	**19**	<10	<10	<10	<10	**66**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
VPH (MADEP Method)																															
C9-C12 Aliphatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	20,000		<7.6	BRL	<6.4	<6.1	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL

Notes:
BRL - Compound not detected above laboratory reporting limit, or sample not analyzed for compound.
NS - No Standard
mg/kg - milligram per kilogram
UCL - Upper Concentration Limit
< - indicates the compound was not detected at a concentrations greater than the provided laboratory reporting limit.
Bold - Compound detected above laboratory reporting limit.
Shaded Cell - Detected concentration exceeds one or more of the following criteria:

S-1/GW-2 - 2019 MCP Method 1 Soil Standard
S-1/GW-3 - 2019 MCP Method 1 Soil Standard
S-2/GW-2 - 2019 MCP Method 1 Soil Standard
S-2/GW-3- 2019 MCP Method 1 Soil Standard
S-3/GW-2 - 2019 MCP Method 1 Soil Standard
S-3/GW-3 - 2019 MCP Method 1 Soil Standard
UCL - Soil - MA Upper Concentration Limit for Soil

TABLE 1
SUMMARY OF HISTORICAL SOIL ANALTYICAL RESULTS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area	B-4 Hot Spot	B-4 Hot Spot	B-4 Hot Spot	B-4 Hot Spot	B-4 Hot Spot
									Depth	5 - 6 ft	0 - 2 ft	0 - 2 ft	3 - 4 ft	3 - 4 ft	0 - 3 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 3 ft	6 - 7 ft
									Date	8/20/2012	9/18/2012	9/18/2012	9/18/2012	9/18/2012	1/8/2013	9/18/2012	9/18/2012	9/18/2012	1/8/2013	9/18/2012
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Excavated (Yes/No)	No	No	No	No	No	No	No	No	Yes	No	No
8260																				
1,1,1-Trichloroethane	mg/kg	500	500	600	1,000	600	3,000	10,000		<0.0023	<0.0021	<0.0021	<0.0018	<0.0022	<0.0028	<0.0021	**0.012**	**0.0038**	<0.001	<0.0024
Acetone	mg/kg	50	400	50	400	50	400	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
cis-1,2-Dichloroethene	mg/kg	0.1	100	0.1	500	0.1	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
m,p-Xylenes	mg/kg	100	500	100	1,000	100	3,000	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methyl ethyl Ketone	mg/kg	50	400	50	400	50	400	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	mg/kg	20	500	20	1,000	20	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tetrachloroethene	mg/kg	10	30	10	200	10	1,000	10,000		**0.18**	**23**	**0.21**	**0.0068**	**0.029**	**0.11**	**0.0023**	<0.0021	**53**	<0.001	**0.034**
Toluene	mg/kg	500	500	1,000	1,000	2,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
trans-1,2-Dichloroethene	mg/kg	1	500	1	1,000	1	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Trichloroethene	mg/kg	0.3	30	0.3	60	0.3	60	600		**0.017**	**17**	**0.11**	**0.0023**	**0.033**	**0.046**	<0.0021	<0.0021	**21**	<0.001	**0.011**
Vinyl Chloride	mg/kg	0.7	1	0.7	7	0.7	60	600		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
EPA Methods 6010/6020/7471																				
Antimony	mg/kg	20	20	30	30	30	30	300		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Arsenic	mg/kg	20	20	20	20	50	50	500		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Barium	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Beryllium	mg/kg	90	90	200	200	200	200	2,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Cadmium	mg/kg	70	70	100	100	100	100	1,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chromium	mg/kg	100	100	200	200	200	200	2,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Copper	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Lead	mg/kg	200	200	600	600	600	600	6,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Mercury	mg/kg	20	20	30	30	30	30	300		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Nickel	mg/kg	600	600	1,000	1,000	1,000	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Vanadium	mg/kg	400	400	700	700	700	700	7,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Zinc	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
EPH (MADEP Method)																				
2-Methylnaphthalene	mg/kg	80	300	80	500	80	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Acenaphthene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Acenaphthylene	mg/kg	600	10	600	10	600	10	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Anthracene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(a)anthracene	mg/kg	7	7	40	40	300	300	3,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(a)pyrene	mg/kg	2	2	7	7	30	30	300		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(b)fluoranthene	mg/kg	7	7	40	40	300	300	3,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(k)fluoranthene	mg/kg	70	70	400	400	3,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chrysene	mg/kg	70	70	400	400	3,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Fluoranthene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Fluorene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Indeno(1,2,3-c,d)pyrene	mg/kg	7	7	40	40	300	300	3,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Phenanthrene	mg/kg	500	500	1,000	1,000	3,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Pyrene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
C11-C22 Aromatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
C19-C36 Aliphatics	mg/kg	3,000	3,000	5,000	5,000	5,000	5,000	20,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
C9-C18 Aliphatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	20,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
VPH (MADEP Method)																				
C9-C12 Aliphatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	20,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL

Notes:
BRL - Compound not detected above laboratory reporting limit, or sample not analyzed for compound.
NS - No Standard
mg/kg - milligram per kilogram
UCL - Upper Concentration Limit
< - indicates the compound was not detected at a concentrations greater than the provided laboratory reporting limit.
Bold - Compound detected above laboratory reporting limit.
Shaded Cell - Detected concentration exceeds one or more of the following criteria:

S-1/GW-2 - 2019 MCP Method 1 Soil Standard
S-1/GW-3 - 2019 MCP Method 1 Soil Standard
S-2/GW-2 - 2019 MCP Method 1 Soil Standard
S-2/GW-3- 2019 MCP Method 1 Soil Standard
S-3/GW-2 - 2019 MCP Method 1 Soil Standard
S-3/GW-3 - 2019 MCP Method 1 Soil Standard
UCL - Soil - MA Upper Concentration Limit for Soil

TABLE 2
SUMMARY OF CURRENT SOIL ANALTYICAL RESULTS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	SB-201 (6-8')	SB-202 (10-12')	SB-203 (4-6')	SB-204 (4-6')
									Depth	6 - 8 ft	10 - 12 ft	4 - 6 ft	4 - 6 ft
									Date	9/18/2023	9/19/2023	9/19/2023	9/20/2023
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Lab ID	L2355554-01	L2355554-02	L2355554-03	L2355554-04
8260													
1,1,1,2-Tetrachloroethane	mg/kg	0.1	80	0.1	400	0.1	500	5,000		<0.00034	<0.00038	<0.00027	<0.00030
1,1,1-Trichloroethane	mg/kg	500	500	600	1,000	600	3,000	10,000		<0.00034	<0.00038	<0.00027	<0.00030
1,1,2,2-Tetrachloroethane	mg/kg	0.02	10	0.02	50	0.02	400	4,000		<0.00034	<0.00038	<0.00027	<0.00030
1,1,2-Trichloroethane	mg/kg	2	40	2	200	2	500	5,000		<0.00068	<0.00075	<0.00055	<0.00061
1,1-Dichloroethane	mg/kg	9	500	9	1,000	9	1,000	10,000		<0.00068	<0.00075	<0.00055	<0.00061
1,1-Dichloroethene	mg/kg	40	500	40	1,000	40	3,000	10,000		<0.00068	<0.00075	<0.00055	<0.00061
1,1-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.00034	<0.00038	<0.00027	<0.00030
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0014	<0.0015	<0.0011	<0.0012
1,2,3-Trichloropropane	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0014	<0.0015	<0.0011	<0.0012
1,2,4-Trichlorobenzene	mg/kg	6	700	6	3,000	6	5,000	10,000		<0.0014	<0.0015	<0.0011	<0.0012
1,2,4-Trimethylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0014	<0.0015	<0.0011	<0.0012
1,2-Dichlorobenzene	mg/kg	100	300	100	300	100	300	10,000		<0.0014	<0.0015	<0.0011	<0.0012
1,2-Dichloroethane	mg/kg	0.1	20	0.1	100	0.1	300	9,000		<0.00068	<0.00075	<0.00055	<0.00061
1,2-Dichloroethene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.00068	<0.00075	<0.00055	<0.00061
1,2-Dichloropropane	mg/kg	0.1	30	0.1	100	0.1	1,000	10,000		<0.00068	<0.00075	<0.00055	<0.00061
1,3,5-Trimethylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0014	<0.0015	<0.0011	<0.0012
1,3-Dichlorobenzene	mg/kg	100	100	200	500	200	500	5,000		<0.0014	<0.0015	<0.0011	<0.0012
1,3-Dichloropropane	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0014	<0.0015	<0.0011	<0.0012
1,3-Dichloropropene	mg/kg	0.4	20	0.4	90	0.4	100	9,000		<0.00034	<0.00038	<0.00027	<0.00030
1,4-Dichlorobenzene	mg/kg	1	80	1	400	1	2,000	10,000		<0.0014	<0.0015	<0.0011	<0.0012
1,4-Dioxane	mg/kg	6	20	6	90	6	500	5,000		<0.054	<0.060	<0.044	<0.048
2,2-Dichloropropane	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0014	<0.0015	<0.0011	<0.0012
2-Chlorotoluene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0014	<0.0015	<0.0011	<0.0012
2-Hexanone	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0068	<0.0075	<0.0055	<0.0061
4-Chlorotoluene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0014	<0.0015	<0.0011	<0.0012
Acetone	mg/kg	50	400	50	400	50	400	10,000		<0.017	<0.019	<0.014	<0.015
Benzene	mg/kg	40	40	200	200	400	1,000	10,000		<0.00034	<0.00038	<0.00027	<0.00030
Bromobenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0014	<0.0015	<0.0011	<0.0012
Bromochloromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0014	<0.0015	<0.0011	<0.0012
Bromodichloromethane	mg/kg	0.1	30	0.1	100	0.1	500	5,000		<0.00034	<0.00038	<0.00027	<0.00030
Bromoform	mg/kg	1	300	1	800	1	800	10,000		<0.0027	<0.0030	<0.0022	<0.0024
Bromomethane	mg/kg	0.5	30	0.5	30	0.5	30	6,000		<0.0014	<0.0015	<0.0011	<0.0012
Carbon Disulfide	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0068	<0.0075	<0.0055	<0.0061
Carbon Tetrachloride	mg/kg	5	30	5	100	5	1,000	10,000		<0.00068	<0.00075	<0.00055	<0.00061
Chlorobenzene	mg/kg	3	100	3	100	3	100	10,000		<0.00034	<0.00038	<0.00027	<0.00030
Chloroethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0014	<0.0015	<0.0011	<0.0012
Chloroform	mg/kg	0.2	500	0.2	1,000	0.2	1,000	10,000		<0.0010	<0.0011	<0.00082	<0.00091
Chloromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0027	<0.0030	<0.0022	<0.0024
cis-1,2-Dichloroethene	mg/kg	0.1	100	0.1	500	0.1	500	5,000		<0.00068	<0.00075	<0.00055	<0.00061
cis-1,3-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.00034	<0.00038	<0.00027	<0.00030
Dibromochloromethane	mg/kg	0.03	20	0.03	100	0.03	500	5,000		<0.00068	<0.00075	<0.00055	<0.00061
Dibromochloropropane (DBCP)	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0020	<0.0022	<0.0016	<0.0018
Dibromomethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0014	<0.0015	<0.0011	<0.0012
Dichlorodifluoromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0068	<0.0075	<0.0055	<0.0061
Diisopropyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0014	<0.0015	<0.0011	<0.0012
Ethyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0014	<0.0015	<0.0011	<0.0012
Ethyl tert-butyl ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0014	<0.0015	<0.0011	<0.0012
Ethylbenzene	mg/kg	500	500	1,000	1,000	1,000	3,000	10,000		<0.00068	<0.00075	<0.00055	<0.00061
Ethylene Dibromide (EDB)	mg/kg	0.1	1	0.1	5	0.1	40	400		<0.00068	<0.00075	<0.00055	<0.00061
Hexachlorobutadiene	mg/kg	30	30	100	100	100	100	1,000		<0.0027	<0.0030	<0.0022	<0.0024
Isopropylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.00068	<0.00075	<0.00055	<0.00061
m,p-Xylenes	mg/kg	100	500	100	1,000	100	3,000	10,000		<0.0014	<0.0015	<0.0011	<0.0012
Methyl ethyl Ketone	mg/kg	50	400	50	400	50	400	10,000		<0.0068	<0.0075	<0.0055	<0.0061
Methyl Isobutyl Ketone (MIBK)	mg/kg	50	400	50	400	50	400	10,000		<0.0068	<0.0075	<0.0055	<0.0061
Methyl tert-Butyl Ether (MTBE)	mg/kg	100	100	100	500	100	500	5,000		<0.0014	<0.0015	<0.0011	<0.0012
Methylene Chloride	mg/kg	4	400	4	700	4	700	7,000		<0.0034	<0.0038	<0.0027	<0.0030
Naphthalene	mg/kg	20	500	20	1,000	20	3,000	10,000		<0.0027	<0.0030	<0.0022	<0.0024
n-Butylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.00068	<0.00075	<0.00055	<0.00061
o-Xylene	mg/kg	100	500	100	1,000	100	3,000	10,000		<0.00068	<0.00075	<0.00055	<0.00061
p-Isopropyltoluene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.00068	<0.00075	<0.00055	<0.00061
Propylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.00068	<0.00075	<0.00055	<0.00061
sec-Butylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.00068	<0.00075	<0.00055	<0.00061
Styrene	mg/kg	4	70	4	300	4	2,000	10,000		<0.00068	<0.00075	<0.00055	<0.00061
Tert-amyl methyl ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0014	<0.0015	<0.0011	<0.0012
tert-Butylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0014	<0.0015	<0.0011	<0.0012
Tetrachloroethene	mg/kg	10	30	10	200	10	1,000	10,000		<0.00034	**0.00095**	**0.0057**	**0.019**
Tetrahydrofuran	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0027	<0.0030	<0.0022	<0.0024
Toluene	mg/kg	500	500	1,000	1,000	2,000	3,000	10,000		<0.00068	<0.00075	<0.00055	<0.00061
trans-1,2-Dichloroethene	mg/kg	1	500	1	1,000	1	3,000	10,000		<0.0010	<0.0011	<0.00082	<0.00091
trans-1,3-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.00068	<0.00075	<0.00055	<0.00061
Trichloroethene	mg/kg	0.3	30	0.3	60	0.3	60	600		<0.00034	**0.0051**	**0.0055**	**0.044**
Trichlorofluoromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0027	<0.0030	<0.0022	<0.0024
Vinyl Chloride	mg/kg	0.7	1	0.7	7	0.7	60	600		<0.00068	<0.00075	<0.00055	<0.00061
Xylenes	mg/kg	100	500	100	1,000	100	3,000	10,000		<0.00068	<0.00075	<0.00055	<0.00061

TABLE 2
SUMMARY OF CURRENT SOIL ANALTYICAL RESULTS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	SB-201 (6-8')	SB-202 (10-12')	SB-203 (4-6')	SB-204 (4-6')
									Depth	6 - 8 ft	10 - 12 ft	4 - 6 ft	4 - 6 ft
									Date	9/18/2023	9/19/2023	9/19/2023	9/20/2023
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Lab ID	L2355554-01	L2355554-02	L2355554-03	L2355554-04
EPA Methods 6010/6020/7471													
Antimony	mg/kg	20	20	30	30	30	30	300		<2.46	<2.16	<2.17	<2.05
Arsenic	mg/kg	20	20	20	20	50	50	500		**1.47**	**2.62**	**6.48**	**1.48**
Barium	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**41.4**	**9.72**	**55.1**	**13.7**
Beryllium	mg/kg	90	90	200	200	200	200	2,000		**0.681**	**1.51**	**0.717**	**1.28**
Cadmium	mg/kg	70	70	100	100	100	100	1,000		<0.491	<0.433	<0.434	<0.410
Chromium	mg/kg	100	100	200	200	200	200	2,000		**12.5**	**6.02**	**34.7**	**3.46**
Lead	mg/kg	200	200	600	600	600	600	6,000		**8.93**	**14.3**	**38.6**	**8.07**
Nickel	mg/kg	600	600	1,000	1,000	1,000	1,000	10,000		**39.1**	<1.08	**70.4**	**1.88**
Selenium	mg/kg	400	400	700	700	700	700	7,000		<2.46	<2.16	<2.17	<2.05
Silver	mg/kg	100	100	200	200	200	200	2,000		<0.491	<0.433	<0.434	<0.410
Thallium	mg/kg	8	8	60	60	80	80	800		<2.46	<2.16	<2.17	<2.05
Vanadium	mg/kg	400	400	700	700	700	700	7,000		**15.8**	**5.21**	**22.3**	**4.2**
Zinc	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**38.2**	**28**	**54.4**	**19.1**
EPH (MADEP Method)													
2-Methylnaphthalene	mg/kg	80	300	80	500	80	500	5,000		<0.422	<0.356	<0.353	<0.331
Acenaphthene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<0.422	<0.356	<0.353	<0.331
Acenaphthylene	mg/kg	600	10	600	10	600	10	10,000		<0.422	<0.356	<0.353	<0.331
Anthracene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<0.422	<0.356	<0.353	<0.331
Benzo(a)anthracene	mg/kg	7	7	40	40	300	300	3,000		<0.422	<0.356	**0.703**	<0.331
Benzo(a)pyrene	mg/kg	2	2	7	7	30	30	300		<0.422	<0.356	**0.649**	<0.331
Benzo(b)fluoranthene	mg/kg	7	7	40	40	300	300	3,000		<0.422	<0.356	**0.738**	<0.331
Benzo(g,h,i)perylene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<0.422	<0.356	<0.353	<0.331
Benzo(k)fluoranthene	mg/kg	70	70	400	400	3,000	3,000	10,000		<0.422	<0.356	<0.353	<0.331
Chrysene	mg/kg	70	70	400	400	3,000	3,000	10,000		<0.422	<0.356	**0.848**	<0.331
Dibenz(a,h)anthracene	mg/kg	0.7	0.7	4	4	30	30	300		<0.422	<0.356	<0.353	<0.331
Fluoranthene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<0.422	<0.356	**1.63**	<0.331
Fluorene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<0.422	<0.356	<0.353	<0.331
Indeno(1,2,3-c,d)pyrene	mg/kg	7	7	40	40	300	300	3,000		<0.422	<0.356	<0.353	<0.331
Naphthalene	mg/kg	20	500	20	1,000	20	3,000	10,000		<0.422	<0.356	<0.353	<0.331
Phenanthrene	mg/kg	500	500	1,000	1,000	3,000	3,000	10,000		<0.422	<0.356	**1.48**	<0.331
Pyrene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<0.422	<0.356	**1.65**	<0.331
C11-C22 Aromatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<8.43	<7.12	**17.6**	**8.15**
C19-C36 Aliphatics	mg/kg	3,000	3,000	5,000	5,000	5,000	5,000	20,000		<8.43	<7.12	**10.1**	**18.2**
C9-C18 Aliphatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	20,000		<8.43	<7.12	<7.06	<6.62
unadjusted C11-C22 Aromatics	mg/kg	NS	NS	NS	NS	NS	NS	NS		<8.43	<7.12	**25.2**	**8.15**
VPH (MADEP Method)													
Benzene	mg/kg	40	40	200	200	400	1,000	10,000		<0.102	<0.077	<0.066	<0.078
Ethylbenzene	mg/kg	500	500	1,000	1,000	1,000	3,000	10,000		<0.102	<0.077	<0.066	<0.078
m,p-Xylenes	mg/kg	100	500	100	1,000	100	3,000	NS		<0.102	<0.077	<0.066	<0.078
Methyl tert-Butyl Ether (MTBE)	mg/kg	100	100	100	500	100	500	5,000		<0.051	<0.038	<0.033	<0.039
o-Xylene	mg/kg	100	500	100	1,000	100	3,000	NS		<0.102	<0.077	<0.066	<0.078
Toluene	mg/kg	500	500	1,000	1,000	2,000	3,000	10,000		<0.102	<0.077	<0.066	<0.078
Naphthalene	mg/kg	20	500	20	1,000	20	3,000	10,000		<0.203	<0.153	<0.132	<0.155
C5-C8 Aliphatics	mg/kg	100	100	500	500	500	500	5,000		<5.08	<3.83	<3.31	<3.87
C9-C10 Aromatics	mg/kg	100	100	500	500	500	500	5,000		<5.08	<3.83	<3.31	<3.87
C9-C12 Aliphatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	20,000		<5.08	<3.83	<3.31	<3.87
unadjusted C5-C8 Aliphatics	mg/kg	NS	NS	NS	NS	NS	NS	NS		<5.08	<3.83	<3.31	<3.87
unadjusted C9-C12 Aliphatics	mg/kg	NS	NS	NS	NS	NS	NS	NS		<5.08	<3.83	<3.31	<3.87

Notes:
NT - Not Tested
NS - No Standard
mg/kg - milligram per kilogram
UCL - Upper Concentration Limit
< - indicates the compound was not detected at a concentrations greater than the provided laboratory reporting limit.
Bold - Compound detected above laboratory reporting limit.
Shaded Cell - Detected concentration exceeds one or more of the following criteria:

S-1/GW-2 - 2019 MCP Method 1 Soil Standard
S-1/GW-3 - 2019 MCP Method 1 Soil Standard
S-2/GW-2 - 2019 MCP Method 1 Soil Standard
S-2/GW-3- 2019 MCP Method 1 Soil Standard
S-3/GW-2 - 2019 MCP Method 1 Soil Standard
S-3/GW-3 - 2019 MCP Method 1 Soil Standard
UCL - Soil - MA Upper Concentration Limit for Soil

TABLE 3
SUMMARY OF GROUNDWATER ANALTYICAL RESULTS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

		Massachusetts Contingency Plan Method 1 Groundwater Standards			Sample ID	MW-1				MW-2				MW-3				MW-4	MW-05		MW-13
		GW-2	GW-3	UCL GW	Date	12/8/2006	11/6/2007	8/21/2013	5/4/2015	12/8/2006	11/7/2007	8/21/2013	9/25/2023	12/8/2006	11/7/2007	8/21/2013	5/30/2023	12/8/2006	12/8/2006	11/7/2007	11/6/2007
8260																					
1,1,1,2-Tetrachloroethane	ug/l	10	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
1,1,1-Trichloroethane	ug/l	4,000	20,000	100,000		<1.0	<1.0	<1	<1.0	<1.0	<1.0	<1	<1.0	<1.0	<1.0	<1	<1.0	**1.8**	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	ug/l	9	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
1,1,2-Trichloroethane	ug/l	900	50,000	100,000		BRL	BRL	<1	<1.0	BRL	BRL	<1	<1.0	BRL	BRL	<1	<1.0	BRL	BRL	BRL	BRL
1,1-Dichloroethane	ug/l	2,000	20,000	100,000		BRL	BRL	<1	<1.0	BRL	BRL	<1	<1.0	BRL	BRL	<1	<1.0	BRL	BRL	BRL	BRL
1,1-Dichloroethene	ug/l	80	30,000	100,000		BRL	BRL	<1	<1.0	BRL	BRL	<1	<1.0	BRL	BRL	<1	<1.0	BRL	BRL	BRL	BRL
1,1-Dichloropropene	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
1,2,3-Trichlorobenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
1,2,3-Trichloropropane	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
1,2,4-Trichlorobenzene	ug/l	200	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
1,2,4-Trimethylbenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
1,2-Dichlorobenzene	ug/l	8,000	2,000	80,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
1,2-Dichloroethane	ug/l	5	20,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
1,2-Dichloroethene	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	**1.6**	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
1,2-Dichloropropane	ug/l	3	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
1,3,5-Trimethylbenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
1,3-Dichlorobenzene	ug/l	6,000	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
1,3-Dichloropropane	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
1,3-Dichloropropene	ug/l	10	200	2,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.40	BRL	BRL	BRL	<0.40	BRL	BRL	BRL	BRL
1,4-Dichlorobenzene	ug/l	60	8,000	80,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
1,4-Dioxane	ug/l	6,000	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<250	BRL	BRL	BRL	<250	BRL	BRL	BRL	BRL
2,2-Dichloropropane	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
2-Chlorotoluene	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
2-Hexanone	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<5.0	BRL	BRL	BRL	<5.0	BRL	BRL	BRL	BRL
4-Chlorotoluene	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Acetone	ug/l	50,000	50,000	100,000		BRL	BRL	<10	BRL	BRL	BRL	<10	<5.0	BRL	BRL	BRL	<5.0	BRL	BRL	BRL	BRL
Benzene	ug/l	1,000	10,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.50	BRL	BRL	BRL	<0.50	BRL	BRL	BRL	BRL
Bromobenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Bromochloromethane	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Bromodichloromethane	ug/l	6	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
Bromoform	ug/l	700	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Bromomethane	ug/l	7	800	8,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Carbon Disulfide	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Carbon Tetrachloride	ug/l	2	5,000	50,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
Chlorobenzene	ug/l	200	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
Chloroethane	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Chloroform	ug/l	50	20,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
Chloromethane	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
cis-1,2-Dichloroethene	ug/l	20	50,000	100,000		<1.0	<1.0	<1	<1.0	<1.0	**1.7**	**7.2**	**1.6**	<1.0	<1.0	<1	<1.0	**8**	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.40	BRL	BRL	BRL	<0.40	BRL	BRL	BRL	BRL
Dibromochloromethane	ug/l	20	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
Dibromochloropropane (D	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Dibromomethane	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Dichlorodifluoromethane	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Diisopropyl Ether	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Ethyl Ether	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Ethyl tert-butyl ether	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL

TABLE 3
SUMMARY OF GROUNDWATER ANALTYICAL RESULTS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

		Massachusetts Contingency Plan Method 1 Groundwater Standards			Sample ID	MW-1				MW-2				MW-3				MW-4	MW-05		MW-13
		GW-2	GW-3	UCL GW	Date	12/8/2006	11/6/2007	8/21/2013	5/4/2015	12/8/2006	11/7/2007	8/21/2013	9/25/2023	12/8/2006	11/7/2007	8/21/2013	5/30/2023	12/8/2006	12/8/2006	11/7/2007	11/6/2007
Ethylbenzene	ug/l	20,000	5,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
Ethylene Dibromide (EDB)	ug/l	2	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Hexachlorobutadiene	ug/l	50	3,000	30,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.60	BRL	BRL	BRL	<0.60	BRL	BRL	BRL	BRL
Isopropylbenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
m,p-Xylenes	ug/l	3,000	5,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Methyl ethyl Ketone	ug/l	50,000	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<5.0	BRL	BRL	BRL	<5.0	BRL	BRL	BRL	BRL
Methyl Isobutyl Ketone (MI	ug/l	50,000	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<5.0	BRL	BRL	BRL	<5.0	BRL	BRL	BRL	BRL
Methyl tert-Butyl Ether (MTB	ug/l	50,000	50,000	100,000		<1.0	<1.0	<1	BRL	<1.0	<1.0	<1	<2.0	<1.0	<1.0	<1	<2.0	**1.8**	<1.0	<1.0	**1.4**
Methylene Chloride	ug/l	2,000	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Naphthalene	ug/l	700	20,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
n-Butylbenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
o-Xylene	ug/l	3,000	5,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
p-Isopropyltoluene	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Propylbenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
sec-Butylbenzene	ug/l	NS	NS	NS		BRL	BRL	<1	BRL	BRL	BRL	<1	<2.0	BRL	BRL	<1	<2.0	BRL	BRL	BRL	BRL
Styrene	ug/l	100	6,000	60,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
Tert-amyl methyl ether	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
tert-Butylbenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Tetrachloroethene	ug/l	50	30,000	100,000		<1.0	<1.0	<1	<1.0	**6.6**	**23**	**18**	**18**	**43**	**74**	**24**	**6.2**	**240**	<1.0	**1.3**	**260**
Tetrahydrofuran	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Toluene	ug/l	50,000	40,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
trans-1,2-Dichloroethene	ug/l	80	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
trans-1,3-Dichloropropene	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.40	BRL	BRL	BRL	<0.40	BRL	BRL	BRL	BRL
Trichloroethene	ug/l	5	5,000	50,000		<1.0	<1.0	<1	<1.0	**6.6**	**25**	**17**	**22**	**40**	**59**	**16**	**8.4**	**150**	<1.0	<1.0	**56**
Trichlorofluoromethane	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Vinyl Chloride	ug/l	2	50,000	100,000		BRL	BRL	<2	<2.0	BRL	BRL	<2	<1.0	BRL	BRL	<2	<1.0	BRL	BRL	BRL	BRL
Xylenes	ug/l	3,000	5,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
EPA Methods 6010/6020/7471																					
Antimony	ug/l	NS	8,000	80,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Antimony, Dissolved	ug/l	NS	8,000	80,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<4.0	BRL	BRL	BRL	<4.0	BRL	BRL	BRL	BRL
Arsenic	ug/l	NS	900	9,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Arsenic, Dissolved	ug/l	NS	900	9,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<5.0	BRL	BRL	BRL	<5.0	BRL	BRL	BRL	BRL
Barium	ug/l	NS	50,000	100,000		**42**	**31**	BRL	BRL	**150**	BRL	BRL	BRL	**210**	BRL	BRL	BRL	**140**	**830**	BRL	**240**
Barium, Dissolved	ug/l	NS	50,000	100,000		BRL	BRL	BRL	BRL	BRL	**180**	BRL	**72.8**	BRL	**170**	BRL	**136**	BRL	BRL	**390**	BRL
Beryllium	ug/l	NS	200	2,000		<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	**8.7**	BRL	BRL	BRL	<1.0	**1.8**	BRL	BRL
Beryllium, Dissolved	ug/l	NS	200	2,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.5	BRL	BRL	BRL	<0.5	BRL	BRL	BRL	BRL
Cadmium	ug/l	NS	4	50		<2.0	<2.0	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	**3.4**	BRL	<2.0
Cadmium, Dissolved	ug/l	NS	4	50		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<4.0	BRL	BRL	BRL	<4.0	BRL	BRL	BRL	BRL
Chromium	ug/l	NS	300	3,000		<10	**2.9**	BRL	BRL	<10	BRL	BRL	BRL	**36**	BRL	BRL	BRL	<10	**92**	BRL	<2.0
Chromium, Dissolved	ug/l	NS	300	3,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<10.0	BRL	BRL	BRL	<10.0	BRL	BRL	BRL	BRL
Copper	ug/l	NS	NS	NS		<10	BRL	BRL	BRL	**15**	BRL	BRL	BRL	**18**	BRL	BRL	BRL	<10	**73**	BRL	BRL
Lead	ug/l	NS	10	150		**14**	**6.6**	BRL	BRL	<4.0	BRL	BRL	BRL	**98**	BRL	BRL	BRL	<4.0	**1,900**	BRL	**3.3**
Lead, Dissolved	ug/l	NS	10	150		BRL	BRL	BRL	BRL	BRL	**2.6**	BRL	<10.0	BRL	**6**	BRL	<10.0	BRL	BRL	**94**	BRL
Nickel	ug/l	NS	200	2,000		<10	BRL	BRL	BRL	**150**	BRL	BRL	BRL	**54**	BRL	BRL	BRL	**17**	**120**	BRL	BRL
Nickel, Dissolved	ug/l	NS	200	2,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	**57.2**	BRL	BRL	BRL	<25.0	BRL	BRL	BRL	BRL
Selenium, Dissolved	ug/l	NS	100	1,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<10.0	BRL	BRL	BRL	<10.0	BRL	BRL	BRL	BRL
Silver, Dissolved	ug/l	NS	7	1,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<7.0	BRL	BRL	BRL	<7.0	BRL	BRL	BRL	BRL
Thallium	ug/l	NS	3,000	30,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Thallium, Dissolved	ug/l	NS	3,000	30,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
Vanadium, Dissolved	ug/l	NS	4,000	40,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<10.0	BRL	BRL	BRL	<10.0	BRL	BRL	BRL	BRL
Zinc	ug/l	NS	900	50,000		**23**	BRL	BRL	BRL	**57**	BRL	BRL	BRL	**170**	BRL	BRL	BRL	**28**	**730**	BRL	BRL
Zinc, Dissolved	ug/l	NS	900	50,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<50.0	BRL	BRL	BRL	<50.0	BRL	BRL	BRL	BRL

TABLE 3
SUMMARY OF GROUNDWATER ANALTYICAL RESULTS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

		Massachusetts Contingency Plan Method 1 Groundwater Standards			Sample ID	MW-1				MW-2				MW-3				MW-4	MW-05		MW-13
		GW-2	GW-3	UCL GW	Date	12/8/2006	11/6/2007	8/21/2013	5/4/2015	12/8/2006	11/7/2007	8/21/2013	9/25/2023	12/8/2006	11/7/2007	8/21/2013	5/30/2023	12/8/2006	12/8/2006	11/7/2007	11/6/2007
EPH (MADEP Method)																					
2-Methylnaphthalene	ug/l	2,000	20,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL
Acenaphthene	ug/l	NS	10,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL
Acenaphthylene	ug/l	10,000	40	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL
Anthracene	ug/l	NS	30	600		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL
Benzo(a)anthracene	ug/l	NS	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	**0.614**	BRL	BRL	BRL	BRL
Benzo(a)pyrene	ug/l	NS	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.200	BRL	BRL	BRL	**0.596**	BRL	BRL	BRL	BRL
Benzo(b)fluoranthene	ug/l	NS	400	4,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	**0.698**	BRL	BRL	BRL	BRL
Benzo(g,h,i)perylene	ug/l	NS	20	500		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL
Benzo(k)fluoranthene	ug/l	NS	100	1,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL
Chrysene	ug/l	NS	70	700		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	**0.514**	BRL	BRL	BRL	BRL
Dibenz(a,h)anthracene	ug/l	NS	40	400		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL
Fluoranthene	ug/l	NS	200	2,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	**0.788**	BRL	BRL	BRL	BRL
Fluorene	ug/l	NS	40	400		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL
Indeno(1,2,3-c,d)pyrene	ug/l	NS	100	1,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	**0.444**	BRL	BRL	BRL	BRL
Naphthalene	ug/l	700	20,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL
Phenanthrene	ug/l	NS	10,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL
Pyrene	ug/l	NS	20	600		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	**0.778**	BRL	BRL	BRL	BRL
C11-C22 Aromatics	ug/l	50,000	5,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<100	BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL
C19-C36 Aliphatics	ug/l	NS	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<100	BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL
C9-C18 Aliphatics	ug/l	5,000	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<100	BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL
unadjusted C11-C22 Arom	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<100	BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL
VPH (MADEP Method)																					
Benzene	ug/l	1,000	10,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.00	BRL	BRL	BRL	<2.00	BRL	BRL	BRL	BRL
Ethylbenzene	ug/l	20,000	5,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.00	BRL	BRL	BRL	<2.00	BRL	BRL	BRL	BRL
m,p-Xylenes	ug/l	3,000	5,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.00	BRL	BRL	BRL	<2.00	BRL	BRL	BRL	BRL
Methyl tert-Butyl Ether (MTB	ug/l	50,000	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<3.00	BRL	BRL	BRL	<3.00	BRL	BRL	BRL	BRL
o-Xylene	ug/l	3,000	5,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.00	BRL	BRL	BRL	<2.00	BRL	BRL	BRL	BRL
Toluene	ug/l	50,000	40,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.00	BRL	BRL	BRL	<2.00	BRL	BRL	BRL	BRL
Naphthalene	ug/l	700	20,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<4.00	BRL	BRL	BRL	<4.00	BRL	BRL	BRL	BRL
C5-C8 Aliphatics	ug/l	3,000	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<100	BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL
C9-C10 Aromatics	ug/l	4,000	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<100	BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL
C9-C12 Aliphatics	ug/l	5,000	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<100	BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL
unadjusted C5-C8 Aliphat	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<100	BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL
unadjusted C9-C12 Alipho	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<100	BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL

Notes:
ug/L - microgram per liter
BRL - Compound not detected above laboratory reporting limit, or sample not analyzed for compound.
< - indicates the compound was not detected at a concentrations greater than the provided laboratory reporting limit.
NS - No Standard
Bold - Compound detected above laboratory reporting limit.
Shaded Cell - Detected concentration exceeds one or more of the following criteria:

GW-2 - 2019 MCP Method 1 GW-2 Standard
GW-3 - 2019 MCP Method 1 GW-3 Standard
UCL - GW - MA Upper Concentration Limit for Groundwater

TABLE 3
SUMMARY OF GROUNDWATER ANALTYICAL RESULTS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

		Massachusetts Contingency Plan Method 1 Groundwater Standards			Sample ID	MW-14				MW-16	MW-17			MW-101D				MW-101S			
		GW-2	GW-3	UCL GW	Date	11/6/2007	5/15/2013	8/21/2013	5/30/2023	11/7/2007	11/6/2007	8/21/2013	5/4/2015	5/15/2013	8/21/2013	5/5/2015	6/2/2015	5/15/2013	8/21/2013	5/5/2015	6/2/2015
8260																					
1,1,1,2-Tetrachloroethane	ug/l	10	50,000	100,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,1-Trichloroethane	ug/l	4,000	20,000	100,000		<1.0	<1	<1	<1.0	<1.0	<1.0	<1	<1.0	**57**	**410**	**27**	**34**	**17**	**22**	**540**	**110**
1,1,2,2-Tetrachloroethane	ug/l	9	50,000	100,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,2-Trichloroethane	ug/l	900	50,000	100,000		BRL	<1	<1	<1.0	BRL	BRL	<1	<1.0	<1	**1.3**	<10	<20	<1	<1	<100	<25
1,1-Dichloroethane	ug/l	2,000	20,000	100,000		BRL	<1	<1	<1.0	BRL	BRL	<1	<1.0	**19**	**64**	**13**	<20	**20**	**6.6**	**130**	<25
1,1-Dichloroethene	ug/l	80	30,000	100,000		BRL	<1	<1	<1.0	BRL	BRL	<1	<1.0	**7.5**	**26**	<10	<20	**6.9**	**3.8**	<100	<25
1,1-Dichloropropene	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichlorobenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichloropropane	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trichlorobenzene	ug/l	200	50,000	100,000		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trimethylbenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichlorobenzene	ug/l	8,000	2,000	80,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloroethane	ug/l	5	20,000	100,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloroethene	ug/l	NS	NS	NS		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloropropane	ug/l	3	50,000	100,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3,5-Trimethylbenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichlorobenzene	ug/l	6,000	50,000	100,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichloropropane	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichloropropene	ug/l	10	200	2,000		BRL	BRL	BRL	<0.40	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dichlorobenzene	ug/l	60	8,000	80,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dioxane	ug/l	6,000	50,000	100,000		BRL	BRL	BRL	<250	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
2,2-Dichloropropane	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
2-Chlorotoluene	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
2-Hexanone	ug/l	NS	NS	NS		BRL	BRL	BRL	<5.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
4-Chlorotoluene	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Acetone	ug/l	50,000	50,000	100,000		BRL	<10	<10	<5.0	BRL	BRL	<10	BRL	<10	<10	BRL	BRL	<10	<10	BRL	BRL
Benzene	ug/l	1,000	10,000	100,000		BRL	BRL	BRL	<0.50	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromobenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromochloromethane	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromodichloromethane	ug/l	6	50,000	100,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromoform	ug/l	700	50,000	100,000		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromomethane	ug/l	7	800	8,000		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Carbon Disulfide	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Carbon Tetrachloride	ug/l	2	5,000	50,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chlorobenzene	ug/l	200	1,000	10,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloroethane	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloroform	ug/l	50	20,000	100,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloromethane	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
cis-1,2-Dichloroethene	ug/l	20	50,000	100,000		<1.0	<1	<1	<1.0	<1.0	<1.0	<1	<1.0	**6.3**	**20**	<10	<20	**3.5**	**4.1**	<100	<25
cis-1,3-Dichloropropene	ug/l	NS	NS	NS		BRL	BRL	BRL	<0.40	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibromochloromethane	ug/l	20	50,000	100,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibromochloropropane (D	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibromomethane	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dichlorodifluoromethane	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Diisopropyl Ether	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethyl Ether	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethyl tert-butyl ether	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL

TABLE 3
SUMMARY OF GROUNDWATER ANALTYICAL RESULTS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

		Massachusetts Contingency Plan Method 1 Groundwater Standards			Sample ID	MW-14				MW-16	MW-17			MW-101D				MW-101S			
		GW-2	GW-3	UCL GW	Date	11/6/2007	5/15/2013	8/21/2013	5/30/2023	11/7/2007	11/6/2007	8/21/2013	5/4/2015	5/15/2013	8/21/2013	5/5/2015	6/2/2015	5/15/2013	8/21/2013	5/5/2015	6/2/2015
Ethylbenzene	ug/l	20,000	5,000	100,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethylene Dibromide (EDB)	ug/l	2	50,000	100,000		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Hexachlorobutadiene	ug/l	50	3,000	30,000		BRL	BRL	BRL	<0.60	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Isopropylbenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
m,p-Xylenes	ug/l	3,000	5,000	100,000		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methyl ethyl Ketone	ug/l	50,000	50,000	100,000		BRL	BRL	BRL	<5.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methyl Isobutyl Ketone (MI	ug/l	50,000	50,000	100,000		BRL	BRL	BRL	<5.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methyl tert-Butyl Ether (MTB	ug/l	50,000	50,000	100,000		<1.0	<1	<1	<2.0	<1.0	<1.0	<1	BRL	**1.1**	<1	BRL	BRL	<1	<1	BRL	BRL
Methylene Chloride	ug/l	2,000	50,000	100,000		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	ug/l	700	20,000	100,000		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
n-Butylbenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
o-Xylene	ug/l	3,000	5,000	100,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
p-Isopropyltoluene	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Propylbenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
sec-Butylbenzene	ug/l	NS	NS	NS		BRL	<1	<1	<2.0	BRL	BRL	<1	BRL	<1	<1	BRL	BRL	<1	<1	BRL	BRL
Styrene	ug/l	100	6,000	60,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tert-amyl methyl ether	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
tert-Butylbenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tetrachloroethene	ug/l	50	30,000	100,000		**12**	**1.5**	**1.8**	**3.2**	**41**	<1.0	<1	<1.0	**1,600**	**1,400**	**170**	**210**	**45**	**44**	**120**	**58**
Tetrahydrofuran	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Toluene	ug/l	50,000	40,000	100,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
trans-1,2-Dichloroethene	ug/l	80	50,000	100,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
trans-1,3-Dichloropropene	ug/l	NS	NS	NS		BRL	BRL	BRL	<0.40	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Trichloroethene	ug/l	5	5,000	50,000		**20**	**2.7**	**3.7**	**4.2**	**45**	<1.0	<1	<1.0	**1,600**	**4,600**	**600**	**830**	**390**	**260**	**8,600**	**2,500**
Trichlorofluoromethane	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Vinyl Chloride	ug/l	2	50,000	100,000		BRL	<2	<2	<1.0	BRL	BRL	<2	<2.0	<2	<2	<20	<40	<2	<2	<200	<50
Xylenes	ug/l	3,000	5,000	100,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
EPA Methods 6010/6020/7471																					
Antimony	ug/l	NS	8,000	80,000		BRL	<1	BRL	BRL	BRL	BRL	BRL	BRL	<1	BRL	BRL	BRL	<1	BRL	BRL	BRL
Antimony, Dissolved	ug/l	NS	8,000	80,000		BRL	BRL	BRL	<4.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Arsenic	ug/l	NS	900	9,000		BRL	<0.4	BRL	BRL	BRL	BRL	BRL	BRL	**0.42**	BRL	BRL	BRL	<0.4	BRL	BRL	BRL
Arsenic, Dissolved	ug/l	NS	900	9,000		BRL	BRL	BRL	<5.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Barium	ug/l	NS	50,000	100,000		**120**	**130**	BRL	BRL	**110**	**60**	BRL	BRL	**200**	BRL	BRL	BRL	**170**	BRL	BRL	BRL
Barium, Dissolved	ug/l	NS	50,000	100,000		BRL	BRL	BRL	**156**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Beryllium	ug/l	NS	200	2,000		BRL	**0.96**	BRL	BRL	BRL	BRL	BRL	BRL	**2**	BRL	BRL	BRL	<0.4	BRL	BRL	BRL
Beryllium, Dissolved	ug/l	NS	200	2,000		BRL	BRL	BRL	**0.5**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Cadmium	ug/l	NS	4	50		<2.0	<0.5	BRL	BRL	<2.0	<2.0	BRL	BRL	<0.5	BRL	BRL	BRL	**1.1**	BRL	BRL	BRL
Cadmium, Dissolved	ug/l	NS	4	50		BRL	BRL	BRL	<4.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chromium	ug/l	NS	300	3,000		<2.0	<1	BRL	BRL	<2.0	<2.0	BRL	BRL	<1	BRL	BRL	BRL	<1	BRL	BRL	BRL
Chromium, Dissolved	ug/l	NS	300	3,000		BRL	BRL	BRL	<10.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Copper	ug/l	NS	NS	NS		BRL	**29**	BRL	BRL	BRL	BRL	BRL	BRL	**27**	BRL	BRL	BRL	**20**	BRL	BRL	BRL
Lead	ug/l	NS	10	150		<2.0	BRL	BRL	BRL	<2.0	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Lead, Dissolved	ug/l	NS	10	150		BRL	BRL	BRL	<10.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Nickel	ug/l	NS	200	2,000		BRL	<5	BRL	BRL	BRL	BRL	BRL	BRL	**10**	BRL	BRL	BRL	**8.9**	BRL	BRL	BRL
Nickel, Dissolved	ug/l	NS	200	2,000		BRL	BRL	BRL	<25.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Selenium, Dissolved	ug/l	NS	100	1,000		BRL	BRL	BRL	<10.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Silver, Dissolved	ug/l	NS	7	1,000		BRL	BRL	BRL	<7.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Thallium	ug/l	NS	3,000	30,000		BRL	<0.2	BRL	BRL	BRL	BRL	BRL	BRL	<0.2	BRL	BRL	BRL	<0.2	BRL	BRL	BRL
Thallium, Dissolved	ug/l	NS	3,000	30,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Vanadium, Dissolved	ug/l	NS	4,000	40,000		BRL	BRL	BRL	<10.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Zinc	ug/l	NS	900	50,000		BRL	**11**	BRL	BRL	BRL	BRL	BRL	BRL	**270**	BRL	BRL	BRL	**200**	BRL	BRL	BRL
Zinc, Dissolved	ug/l	NS	900	50,000		BRL	BRL	BRL	<50.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL

TABLE 3
SUMMARY OF GROUNDWATER ANALTYICAL RESULTS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

		Massachusetts Contingency Plan Method 1 Groundwater Standards			Sample ID	MW-14				MW-16	MW-17			MW-101D				MW-101S			
		GW-2	GW-3	UCL GW	Date	11/6/2007	5/15/2013	8/21/2013	5/30/2023	11/7/2007	11/6/2007	8/21/2013	5/4/2015	5/15/2013	8/21/2013	5/5/2015	6/2/2015	5/15/2013	8/21/2013	5/5/2015	6/2/2015
EPH (MADEP Method)																					
2-Methylnaphthalene	ug/l	2,000	20,000	100,000		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Acenaphthene	ug/l	NS	10,000	100,000		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Acenaphthylene	ug/l	10,000	40	100,000		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Anthracene	ug/l	NS	30	600		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(a)anthracene	ug/l	NS	1,000	10,000		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(a)pyrene	ug/l	NS	500	5,000		BRL	BRL	BRL	<0.200	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(b)fluoranthene	ug/l	NS	400	4,000		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(g,h,i)perylene	ug/l	NS	20	500		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(k)fluoranthene	ug/l	NS	100	1,000		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chrysene	ug/l	NS	70	700		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibenz(a,h)anthracene	ug/l	NS	40	400		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Fluoranthene	ug/l	NS	200	2,000		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Fluorene	ug/l	NS	40	400		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Indeno(1,2,3-c,d)pyrene	ug/l	NS	100	1,000		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	ug/l	700	20,000	100,000		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Phenanthrene	ug/l	NS	10,000	100,000		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Pyrene	ug/l	NS	20	600		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
C11-C22 Aromatics	ug/l	50,000	5,000	100,000		BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
C19-C36 Aliphatics	ug/l	NS	50,000	100,000		BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
C9-C18 Aliphatics	ug/l	5,000	50,000	100,000		BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
unadjusted C11-C22 Arom	ug/l	NS	NS	NS		BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
VPH (MADEP Method)																					
Benzene	ug/l	1,000	10,000	100,000		BRL	BRL	BRL	<2.00	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethylbenzene	ug/l	20,000	5,000	100,000		BRL	BRL	BRL	<2.00	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
m,p-Xylenes	ug/l	3,000	5,000	100,000		BRL	BRL	BRL	<2.00	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methyl tert-Butyl Ether (MTE	ug/l	50,000	50,000	100,000		BRL	BRL	BRL	<3.00	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
o-Xylene	ug/l	3,000	5,000	100,000		BRL	BRL	BRL	<2.00	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Toluene	ug/l	50,000	40,000	100,000		BRL	BRL	BRL	<2.00	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	ug/l	700	20,000	100,000		BRL	BRL	BRL	<4.00	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
C5-C8 Aliphatics	ug/l	3,000	50,000	100,000		BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
C9-C10 Aromatics	ug/l	4,000	50,000	100,000		BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
C9-C12 Aliphatics	ug/l	5,000	50,000	100,000		BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
unadjusted C5-C8 Aliphat	ug/l	NS	NS	NS		BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
unadjusted C9-C12 Alipho	ug/l	NS	NS	NS		BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL

Notes:
ug/L - microgram per liter
BRL - Compound not detected above laboratory reporting limit, or sample not analyze
< - indicates the compound was not detected at a concentrations greater than the pı
NS - No Standard
Bold - Compound detected above laboratory reporting limit.
Shaded Cell - Detected concentration exceeds one or more of the following criteria:

GW-2 - 2019 MCP Method 1 GW-2 Standard
GW-3 - 2019 MCP Method 1 GW-3 Standard
UCL - GW - MA Upper Concentration Limit for Groundwater

TABLE 3
SUMMARY OF GROUNDWATER ANALTYICAL RESULTS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

		Massachusetts Contingency Plan Method 1 Groundwater Standards			Sample ID		MW-102D			MW-102S			MW-103D			MW-103S			MW-104D	
		GW-2	GW-3	UCL GW	Date	9/25/2023	5/15/2013	8/20/2013	5/31/2023	5/15/2013	8/20/2013	5/30/2023	5/15/2013	8/20/2013	5/31/2023	5/15/2013	8/20/2013	5/30/2023	5/15/2013	8/20/2013
8260																				
1,1,1,2-Tetrachloroethane	ug/l	10	50,000	100,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
1,1,1-Trichloroethane	ug/l	4,000	20,000	100,000		<1.0	<1	<4	**8.5**	<1	<1	<1.0	**5.5**	<10	<1.0	<1	<1	<1.0	**6.9**	<50
1,1,2,2-Tetrachloroethane	ug/l	9	50,000	100,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
1,1,2-Trichloroethane	ug/l	900	50,000	100,000		<1.0	<1	<4	<2.5	<1	<1	**1.3**	<1	<10	<1.0	<1	<1	<1.0	<1	<50
1,1-Dichloroethane	ug/l	2,000	20,000	100,000		<1.0	<1	<4	<2.5	<1	<1	<1.0	<1	<10	<1.0	<1	<1	<1.0	<1	<50
1,1-Dichloroethene	ug/l	80	30,000	100,000		<1.0	<1	<4	<2.5	<1	<1	<1.0	<1	<10	<1.0	<1	<1	<1.0	<1	<50
1,1-Dichloropropene	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
1,2,3-Trichlorobenzene	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
1,2,3-Trichloropropane	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
1,2,4-Trichlorobenzene	ug/l	200	50,000	100,000		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
1,2,4-Trimethylbenzene	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
1,2-Dichlorobenzene	ug/l	8,000	2,000	80,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
1,2-Dichloroethane	ug/l	5	20,000	100,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
1,2-Dichloroethene	ug/l	NS	NS	NS		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	**5.6**	BRL	BRL	**6.1**	BRL	BRL
1,2-Dichloropropane	ug/l	3	50,000	100,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
1,3,5-Trimethylbenzene	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
1,3-Dichlorobenzene	ug/l	6,000	50,000	100,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
1,3-Dichloropropane	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
1,3-Dichloropropene	ug/l	10	200	2,000		<0.40	BRL	BRL	<1.0	BRL	BRL	<0.40	BRL	BRL	<0.40	BRL	BRL	<0.40	BRL	BRL
1,4-Dichlorobenzene	ug/l	60	8,000	80,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
1,4-Dioxane	ug/l	6,000	50,000	100,000		<250	BRL	BRL	<620	BRL	BRL	<250	BRL	BRL	<250	BRL	BRL	<250	BRL	BRL
2,2-Dichloropropane	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
2-Chlorotoluene	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
2-Hexanone	ug/l	NS	NS	NS		<5.0	BRL	BRL	<12	BRL	BRL	<5.0	BRL	BRL	<5.0	BRL	BRL	<5.0	BRL	BRL
4-Chlorotoluene	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Acetone	ug/l	50,000	50,000	100,000		<5.0	<10	<40	<12	<10	<10	<5.0	<10	<100	<5.0	<10	<10	<5.0	<10	<500
Benzene	ug/l	1,000	10,000	100,000		<0.50	BRL	BRL	<1.2	BRL	BRL	<0.50	BRL	BRL	<0.50	BRL	BRL	<0.50	BRL	BRL
Bromobenzene	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Bromochloromethane	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Bromodichloromethane	ug/l	6	50,000	100,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
Bromoform	ug/l	700	50,000	100,000		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Bromomethane	ug/l	7	800	8,000		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Carbon Disulfide	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Carbon Tetrachloride	ug/l	2	5,000	50,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
Chlorobenzene	ug/l	200	1,000	10,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
Chloroethane	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Chloroform	ug/l	50	20,000	100,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
Chloromethane	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
cis-1,2-Dichloroethene	ug/l	20	50,000	100,000		<1.0	<1	<4	<2.5	<1	<1	<1.0	**3.2**	**46**	**5.6**	**1.1**	**7.8**	**6.1**	<1	<50
cis-1,3-Dichloropropene	ug/l	NS	NS	NS		<0.40	BRL	BRL	<1.0	BRL	BRL	<0.40	BRL	BRL	<0.40	BRL	BRL	<0.40	BRL	BRL
Dibromochloromethane	ug/l	20	50,000	100,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
Dibromochloropropane (D	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Dibromomethane	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Dichlorodifluoromethane	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Diisopropyl Ether	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Ethyl Ether	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Ethyl tert-butyl ether	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL

TABLE 3
SUMMARY OF GROUNDWATER ANALTYICAL RESULTS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

		Massachusetts Contingency Plan Method 1 Groundwater Standards			Sample ID		MW-102D			MW-102S			MW-103D			MW-103S			MW-104D	
		GW-2	GW-3	UCL GW	Date	9/25/2023	5/15/2013	8/20/2013	5/31/2023	5/15/2013	8/20/2013	5/30/2023	5/15/2013	8/20/2013	5/31/2023	5/15/2013	8/20/2013	5/30/2023	5/15/2013	8/20/2013
Ethylbenzene	ug/l	20,000	5,000	100,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
Ethylene Dibromide (EDB)	ug/l	2	50,000	100,000		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Hexachlorobutadiene	ug/l	50	3,000	30,000		<0.60	BRL	BRL	<1.5	BRL	BRL	<0.60	BRL	BRL	<0.60	BRL	BRL	<0.60	BRL	BRL
Isopropylbenzene	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
m,p-Xylenes	ug/l	3,000	5,000	100,000		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Methyl ethyl Ketone	ug/l	50,000	50,000	100,000		<5.0	BRL	BRL	<12	BRL	BRL	<5.0	BRL	BRL	<5.0	BRL	BRL	<5.0	BRL	BRL
Methyl Isobutyl Ketone (MI	ug/l	50,000	50,000	100,000		<5.0	BRL	BRL	<12	BRL	BRL	<5.0	BRL	BRL	<5.0	BRL	BRL	<5.0	BRL	BRL
Methyl tert-Butyl Ether (MTE	ug/l	50,000	50,000	100,000		<2.0	<1	<4	<5.0	<1	<1	<2.0	**1.8**	<10	<2.0	<1	<1	<2.0	<1	<50
Methylene Chloride	ug/l	2,000	50,000	100,000		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Naphthalene	ug/l	700	20,000	100,000		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
n-Butylbenzene	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
o-Xylene	ug/l	3,000	5,000	100,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
p-Isopropyltoluene	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Propylbenzene	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
sec-Butylbenzene	ug/l	NS	NS	NS		<2.0	<1	<4	<5.0	**4.9**	**2.5**	**3.2**	<1	<10	<2.0	<1	<1	<2.0	<1	<50
Styrene	ug/l	100	6,000	60,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
Tert-amyl methyl ether	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
tert-Butylbenzene	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Tetrachloroethene	ug/l	50	30,000	100,000		<1.0	**2.6**	<4	**4.4**	<1	<1	<1.0	**1,100**	**1,100**	**4.9**	**5.1**	**1.5**	**6**	**1,700**	**1,700**
Tetrahydrofuran	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Toluene	ug/l	50,000	40,000	100,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
trans-1,2-Dichloroethene	ug/l	80	50,000	100,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
trans-1,3-Dichloropropene	ug/l	NS	NS	NS		<0.40	BRL	BRL	<1.0	BRL	BRL	<0.40	BRL	BRL	<0.40	BRL	BRL	<0.40	BRL	BRL
Trichloroethene	ug/l	5	5,000	50,000		**4**	**4.1**	**140**	**300**	<1	<1	<1.0	**840**	**1,200**	**2.6**	**4.4**	**3.4**	<1.0	**760**	**850**
Trichlorofluoromethane	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Vinyl Chloride	ug/l	2	50,000	100,000		<1.0	<2	<8	<2.5	<2	<2	<1.0	<2	<20	<1.0	<2	**3.8**	**1.6**	<2	<100
Xylenes	ug/l	3,000	5,000	100,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
EPA Methods 6010/6020/7471																				
Antimony	ug/l	NS	8,000	80,000		BRL	<1	BRL	BRL	**1.3**	BRL	BRL	<1	BRL	BRL	<1	BRL	BRL	<1	BRL
Antimony, Dissolved	ug/l	NS	8,000	80,000		<4.0	BRL	BRL	<4.0	BRL	BRL	<4.0	BRL	BRL	<4.0	BRL	BRL	<4.0	BRL	BRL
Arsenic	ug/l	NS	900	9,000		BRL	**0.8**	BRL	BRL	**1.4**	BRL	BRL	**0.92**	BRL	BRL	**1.1**	BRL	BRL	**0.67**	BRL
Arsenic, Dissolved	ug/l	NS	900	9,000		<5.0	BRL	BRL	<5.0	BRL	BRL	<5.0	BRL	BRL	<5.0	BRL	BRL	<5.0	BRL	BRL
Barium	ug/l	NS	50,000	100,000		BRL	**76**	BRL	BRL	**130**	BRL	BRL	**140**	BRL	BRL	**110**	BRL	BRL	**24**	BRL
Barium, Dissolved	ug/l	NS	50,000	100,000		**23.5**	BRL	BRL	**12.8**	BRL	BRL	**92.4**	BRL	BRL	**22**	BRL	BRL	**118**	BRL	BRL
Beryllium	ug/l	NS	200	2,000		BRL	**4.8**	BRL	BRL	<0.4	BRL	BRL	**2.3**	BRL	BRL	**0.7**	BRL	BRL	**18**	BRL
Beryllium, Dissolved	ug/l	NS	200	2,000		<0.5	BRL	BRL	**8**	BRL	BRL	**0.7**	BRL	BRL	<0.5	BRL	BRL	**0.5**	BRL	BRL
Cadmium	ug/l	NS	4	50		BRL	<0.5	BRL	BRL	<0.5	BRL	BRL	**2**	BRL	BRL	**2**	BRL	BRL	<0.5	BRL
Cadmium, Dissolved	ug/l	NS	4	50		<4.0	BRL	BRL	<4.0	BRL	BRL	<4.0	BRL	BRL	<4.0	BRL	BRL	<4.0	BRL	BRL
Chromium	ug/l	NS	300	3,000		BRL	<1	BRL	BRL	<1	BRL	BRL	<1	BRL	BRL	<1	BRL	BRL	<1	BRL
Chromium, Dissolved	ug/l	NS	300	3,000		<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL
Copper	ug/l	NS	NS	NS		BRL	**13**	BRL	BRL	**25**	BRL	BRL	**14**	BRL	BRL	**14**	BRL	BRL	**18**	BRL
Lead	ug/l	NS	10	150		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Lead, Dissolved	ug/l	NS	10	150		<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL
Nickel	ug/l	NS	200	2,000		BRL	**7.3**	BRL	BRL	**70**	BRL	BRL	**15**	BRL	BRL	**16**	BRL	BRL	<5	BRL
Nickel, Dissolved	ug/l	NS	200	2,000		<25.0	BRL	BRL	<25.0	BRL	BRL	<25.0	BRL	BRL	<25.0	BRL	BRL	<25.0	BRL	BRL
Selenium, Dissolved	ug/l	NS	100	1,000		<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL
Silver, Dissolved	ug/l	NS	7	1,000		<7.0	BRL	BRL	<7.0	BRL	BRL	<7.0	BRL	BRL	<7.0	BRL	BRL	<7.0	BRL	BRL
Thallium	ug/l	NS	3,000	30,000		BRL	<0.2	BRL	BRL	<0.2	BRL	BRL	**0.21**	BRL	BRL	**0.49**	BRL	BRL	<0.2	BRL
Thallium, Dissolved	ug/l	NS	3,000	30,000		<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
Vanadium, Dissolved	ug/l	NS	4,000	40,000		<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL
Zinc	ug/l	NS	900	50,000		BRL	**71**	BRL	BRL	**12**	BRL	BRL	**40**	BRL	BRL	**62**	BRL	BRL	**89**	BRL
Zinc, Dissolved	ug/l	NS	900	50,000		**55.3**	BRL	BRL	**73.4**	BRL	BRL	<50.0	BRL	BRL	<50.0	BRL	BRL	<50.0	BRL	BRL

TABLE 3
SUMMARY OF GROUNDWATER ANALTYICAL RESULTS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

		Massachusetts Contingency Plan Method 1 Groundwater Standards			Sample ID		MW-102D			MW-102S			MW-103D			MW-103S			MW-104D	
		GW-2	GW-3	UCL GW	Date	9/25/2023	5/15/2013	8/20/2013	5/31/2023	5/15/2013	8/20/2013	5/30/2023	5/15/2013	8/20/2013	5/31/2023	5/15/2013	8/20/2013	5/30/2023	5/15/2013	8/20/2013
EPH (MADEP Method)																				
2-Methylnaphthalene	ug/l	2,000	20,000	100,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
Acenaphthene	ug/l	NS	10,000	100,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
Acenaphthylene	ug/l	10,000	40	100,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
Anthracene	ug/l	NS	30	600		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
Benzo(a)anthracene	ug/l	NS	1,000	10,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
Benzo(a)pyrene	ug/l	NS	500	5,000		<0.200	BRL	BRL	<0.200	BRL	BRL	<0.200	BRL	BRL	<0.200	BRL	BRL	<0.200	BRL	BRL
Benzo(b)fluoranthene	ug/l	NS	400	4,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
Benzo(g,h,i)perylene	ug/l	NS	20	500		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
Benzo(k)fluoranthene	ug/l	NS	100	1,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
Chrysene	ug/l	NS	70	700		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
Dibenz(a,h)anthracene	ug/l	NS	40	400		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
Fluoranthene	ug/l	NS	200	2,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
Fluorene	ug/l	NS	40	400		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
Indeno(1,2,3-c,d)pyrene	ug/l	NS	100	1,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
Naphthalene	ug/l	700	20,000	100,000		<0.400	BRL	BRL	**0.592**	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
Phenanthrene	ug/l	NS	10,000	100,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
Pyrene	ug/l	NS	20	600		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
C11-C22 Aromatics	ug/l	50,000	5,000	100,000		**135**	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL
C19-C36 Aliphatics	ug/l	NS	50,000	100,000		<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL
C9-C18 Aliphatics	ug/l	5,000	50,000	100,000		<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL
unadjusted C11-C22 Arom	ug/l	NS	NS	NS		**135**	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL
VPH (MADEP Method)																				
Benzene	ug/l	1,000	10,000	100,000		<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL
Ethylbenzene	ug/l	20,000	5,000	100,000		<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL
m,p-Xylenes	ug/l	3,000	5,000	100,000		<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL
Methyl tert-Butyl Ether (MTE	ug/l	50,000	50,000	100,000		<3.00	BRL	BRL	<3.00	BRL	BRL	<3.00	BRL	BRL	<3.00	BRL	BRL	<3.00	BRL	BRL
o-Xylene	ug/l	3,000	5,000	100,000		<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL
Toluene	ug/l	50,000	40,000	100,000		<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL
Naphthalene	ug/l	700	20,000	100,000		<4.00	BRL	BRL	<4.00	BRL	BRL	<4.00	BRL	BRL	<4.00	BRL	BRL	<4.00	BRL	BRL
C5-C8 Aliphatics	ug/l	3,000	50,000	100,000		<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL
C9-C10 Aromatics	ug/l	4,000	50,000	100,000		<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL
C9-C12 Aliphatics	ug/l	5,000	50,000	100,000		<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL
unadjusted C5-C8 Aliphat	ug/l	NS	NS	NS		<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL
unadjusted C9-C12 Aliphd	ug/l	NS	NS	NS		<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL

Notes:
ug/L - microgram per liter
BRL - Compound not detected above laboratory reporting limit, or sample not analyze
< - indicates the compound was not detected at a concentrations greater than the pı
NS - No Standard
Bold - Compound detected above laboratory reporting limit.
Shaded Cell - Detected concentration exceeds one or more of the following criteria:

GW-2 - 2019 MCP Method 1 GW-2 Standard
GW-3 - 2019 MCP Method 1 GW-3 Standard
UCL - GW - MA Upper Concentration Limit for Groundwater

TABLE 3
SUMMARY OF GROUNDWATER ANALTYICAL RESULTS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

		Massachusetts Contingency Plan Method 1 Groundwater Standards			Sample ID		MW-104S			MW-105D			MW-105S			MW-106D			MW-106S		
		GW-2	GW-3	UCL GW	Date	5/31/2023	5/15/2013	8/20/2013	5/30/2023	5/15/2013	8/20/2013	5/30/2023	5/15/2013	8/20/2013	5/31/2023	5/15/2013	8/21/2013	5/4/2015	5/15/2013	8/21/2013	5/5/2015
8260																					
1,1,1,2-Tetrachloroethane	ug/l	10	50,000	100,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
1,1,1-Trichloroethane	ug/l	4,000	20,000	100,000		**9.1**	<1	<1	<1.0	<1	<1	<5.0	<1	<4	<1.0	<1	<1	<1.0	<1	<1	<1.0
1,1,2,2-Tetrachloroethane	ug/l	9	50,000	100,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
1,1,2-Trichloroethane	ug/l	900	50,000	100,000		<5.0	<1	<1	<1.0	<1	<1	<5.0	<1	<4	<1.0	<1	<1	<1.0	<1	<1	<1.0
1,1-Dichloroethane	ug/l	2,000	20,000	100,000		<5.0	<1	<1	<1.0	<1	<1	<5.0	<1	<4	<1.0	<1	<1	<1.0	<1	<1	<1.0
1,1-Dichloroethene	ug/l	80	30,000	100,000		<5.0	<1	<1	<1.0	<1	<1	<5.0	<1	<4	<1.0	<1	<1	<1.0	<1	<1	<1.0
1,1-Dichloropropene	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichlorobenzene	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichloropropane	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trichlorobenzene	ug/l	200	50,000	100,000		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trimethylbenzene	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichlorobenzene	ug/l	8,000	2,000	80,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloroethane	ug/l	5	20,000	100,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloroethene	ug/l	NS	NS	NS		**5.5**	BRL	BRL	**14**	BRL	BRL	**8.3**	BRL	BRL	**1.2**	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloropropane	ug/l	3	50,000	100,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
1,3,5-Trimethylbenzene	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichlorobenzene	ug/l	6,000	50,000	100,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichloropropane	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichloropropene	ug/l	10	200	2,000		<2.0	BRL	BRL	<0.40	BRL	BRL	<2.0	BRL	BRL	<0.40	BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dichlorobenzene	ug/l	60	8,000	80,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dioxane	ug/l	6,000	50,000	100,000		<1200	BRL	BRL	<250	BRL	BRL	<1200	BRL	BRL	<250	BRL	BRL	BRL	BRL	BRL	BRL
2,2-Dichloropropane	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
2-Chlorotoluene	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
2-Hexanone	ug/l	NS	NS	NS		<25	BRL	BRL	<5.0	BRL	BRL	<25	BRL	BRL	<5.0	BRL	BRL	BRL	BRL	BRL	BRL
4-Chlorotoluene	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Acetone	ug/l	50,000	50,000	100,000		<25	<10	<10	<5.0	<10	<10	<25	<10	<40	<5.0	<10	<10	BRL	**23**	<10	BRL
Benzene	ug/l	1,000	10,000	100,000		<2.5	BRL	BRL	<0.50	BRL	BRL	<2.5	BRL	BRL	<0.50	BRL	BRL	BRL	BRL	BRL	BRL
Bromobenzene	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Bromochloromethane	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Bromodichloromethane	ug/l	6	50,000	100,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
Bromoform	ug/l	700	50,000	100,000		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Bromomethane	ug/l	7	800	8,000		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Carbon Disulfide	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Carbon Tetrachloride	ug/l	2	5,000	50,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
Chlorobenzene	ug/l	200	1,000	10,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
Chloroethane	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Chloroform	ug/l	50	20,000	100,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
Chloromethane	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
cis-1,2-Dichloroethene	ug/l	20	50,000	100,000		**5.5**	**4.7**	**6.8**	**14**	<1	<1	**8.3**	<1	<4	**1.2**	<1	<1	<1.0	<1	<1	<1.0
cis-1,3-Dichloropropene	ug/l	NS	NS	NS		<2.0	BRL	BRL	<0.40	BRL	BRL	<2.0	BRL	BRL	<0.40	BRL	BRL	BRL	BRL	BRL	BRL
Dibromochloromethane	ug/l	20	50,000	100,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
Dibromochloropropane (D	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Dibromomethane	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Dichlorodifluoromethane	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Diisopropyl Ether	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Ethyl Ether	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Ethyl tert-butyl ether	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL

TABLE 3
SUMMARY OF GROUNDWATER ANALTYICAL RESULTS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

		Massachusetts Contingency Plan Method 1 Groundwater Standards			Sample ID		MW-104S			MW-105D			MW-105S			MW-106D			MW-106S		
		GW-2	GW-3	UCL GW	Date	5/31/2023	5/15/2013	8/20/2013	5/30/2023	5/15/2013	8/20/2013	5/30/2023	5/15/2013	8/20/2013	5/31/2023	5/15/2013	8/21/2013	5/4/2015	5/15/2013	8/21/2013	5/5/2015
Ethylbenzene	ug/l	20,000	5,000	100,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
Ethylene Dibromide (EDB)	ug/l	2	50,000	100,000		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Hexachlorobutadiene	ug/l	50	3,000	30,000		<3.0	BRL	BRL	<0.60	BRL	BRL	<3.0	BRL	BRL	<0.60	BRL	BRL	BRL	BRL	BRL	BRL
Isopropylbenzene	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
m,p-Xylenes	ug/l	3,000	5,000	100,000		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Methyl ethyl Ketone	ug/l	50,000	50,000	100,000		<25	BRL	BRL	<5.0	BRL	BRL	<25	BRL	BRL	<5.0	BRL	BRL	BRL	BRL	BRL	BRL
Methyl Isobutyl Ketone (MI	ug/l	50,000	50,000	100,000		<25	BRL	BRL	<5.0	BRL	BRL	<25	BRL	BRL	<5.0	BRL	BRL	BRL	BRL	BRL	BRL
Methyl tert-Butyl Ether (MTB	ug/l	50,000	50,000	100,000		<10	<1	<1	<2.0	<1	<1	<10	<1	<4	<2.0	<1	<1	BRL	<1	<1	BRL
Methylene Chloride	ug/l	2,000	50,000	100,000		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	ug/l	700	20,000	100,000		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
n-Butylbenzene	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
o-Xylene	ug/l	3,000	5,000	100,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
p-Isopropyltoluene	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Propylbenzene	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
sec-Butylbenzene	ug/l	NS	NS	NS		<10	<1	<1	<2.0	<1	<1	<10	<1	<4	<2.0	<1	<1	BRL	<1	<1	BRL
Styrene	ug/l	100	6,000	60,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
Tert-amyl methyl ether	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
tert-Butylbenzene	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Tetrachloroethene	ug/l	50	30,000	100,000		**340**	**94**	**42**	**34**	**41**	**25**	**600**	**140**	**86**	**88**	**2.9**	<1	<1.0	<1	<1	<1.0
Tetrahydrofuran	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Toluene	ug/l	50,000	40,000	100,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
trans-1,2-Dichloroethene	ug/l	80	50,000	100,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
trans-1,3-Dichloropropene	ug/l	NS	NS	NS		<2.0	BRL	BRL	<0.40	BRL	BRL	<2.0	BRL	BRL	<0.40	BRL	BRL	BRL	BRL	BRL	BRL
Trichloroethene	ug/l	5	5,000	50,000		**500**	**22**	**15**	**9.7**	**16**	**15**	**280**	**21**	**16**	**16**	<1	<1	<1.0	<1	<1	<1.0
Trichlorofluoromethane	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Vinyl Chloride	ug/l	2	50,000	100,000		<5.0	<2	<2	<1.0	<2	<2	<5.0	<2	<8	<1.0	<2	<2	<2.0	<2	<2	<2.0
Xylenes	ug/l	3,000	5,000	100,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
EPA Methods 6010/6020/7471																					
Antimony	ug/l	NS	8,000	80,000		BRL	**2.4**	BRL	BRL	<1	BRL	BRL	<1	BRL	BRL	**1**	BRL	BRL	<1	BRL	BRL
Antimony, Dissolved	ug/l	NS	8,000	80,000		<4.0	BRL	BRL	<4.0	BRL	BRL	<4.0	BRL	BRL	<4.0	BRL	BRL	BRL	BRL	BRL	BRL
Arsenic	ug/l	NS	900	9,000		BRL	**4.5**	BRL	BRL	**0.92**	BRL	BRL	<0.4	BRL	BRL	**17**	BRL	BRL	**1.8**	BRL	BRL
Arsenic, Dissolved	ug/l	NS	900	9,000		<5.0	BRL	BRL	<5.0	BRL	BRL	<5.0	BRL	BRL	<5.0	BRL	BRL	BRL	BRL	BRL	BRL
Barium	ug/l	NS	50,000	100,000		BRL	**86**	BRL	BRL	**120**	BRL	BRL	**150**	BRL	BRL	**46**	BRL	BRL	**72**	BRL	BRL
Barium, Dissolved	ug/l	NS	50,000	100,000		<10.0	BRL	BRL	**48**	BRL	BRL	**26.4**	BRL	BRL	**117**	BRL	BRL	BRL	BRL	BRL	BRL
Beryllium	ug/l	NS	200	2,000		BRL	**0.45**	BRL	BRL	<0.4	BRL	BRL	**2.3**	BRL	BRL	<0.4	BRL	BRL	<0.4	BRL	BRL
Beryllium, Dissolved	ug/l	NS	200	2,000		**9.6**	BRL	BRL	<0.5	BRL	BRL	**3.2**	BRL	BRL	**1.7**	BRL	BRL	BRL	BRL	BRL	BRL
Cadmium	ug/l	NS	4	50		BRL	**0.57**	BRL	BRL	<0.5	BRL	BRL	<0.5	BRL	BRL	<0.5	BRL	BRL	<0.5	BRL	BRL
Cadmium, Dissolved	ug/l	NS	4	50		<4.0	BRL	BRL	<4.0	BRL	BRL	<4.0	BRL	BRL	<4.0	BRL	BRL	BRL	BRL	BRL	BRL
Chromium	ug/l	NS	300	3,000		BRL	**10**	BRL	BRL	<1	BRL	BRL	<1	BRL	BRL	<1	BRL	BRL	<1	BRL	BRL
Chromium, Dissolved	ug/l	NS	300	3,000		<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL	BRL	BRL	BRL	BRL
Copper	ug/l	NS	NS	NS		BRL	**26**	BRL	BRL	**26**	BRL	BRL	**22**	BRL	BRL	**7**	BRL	BRL	<5	BRL	BRL
Lead	ug/l	NS	10	150		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Lead, Dissolved	ug/l	NS	10	150		<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL	BRL	BRL	BRL	BRL
Nickel	ug/l	NS	200	2,000		BRL	**51**	BRL	BRL	<5	BRL	BRL	<5	BRL	BRL	<5	BRL	BRL	<5	BRL	BRL
Nickel, Dissolved	ug/l	NS	200	2,000		<25.0	BRL	BRL	**109**	BRL	BRL	<25.0	BRL	BRL	<25.0	BRL	BRL	BRL	BRL	BRL	BRL
Selenium, Dissolved	ug/l	NS	100	1,000		<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL	BRL	BRL	BRL	BRL
Silver, Dissolved	ug/l	NS	7	1,000		<7.0	BRL	BRL	<7.0	BRL	BRL	<7.0	BRL	BRL	<7.0	BRL	BRL	BRL	BRL	BRL	BRL
Thallium	ug/l	NS	3,000	30,000		BRL	**0.24**	BRL	BRL	<0.2	BRL	BRL	<0.2	BRL	BRL	<0.2	BRL	BRL	<0.2	BRL	BRL
Thallium, Dissolved	ug/l	NS	3,000	30,000		<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
Vanadium, Dissolved	ug/l	NS	4,000	40,000		<10.0	BRL	BRL	**38.1**	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL	BRL	BRL	BRL	BRL
Zinc	ug/l	NS	900	50,000		BRL	**21**	BRL	BRL	**11**	BRL	BRL	**18**	BRL	BRL	<10	BRL	BRL	<10	BRL	BRL
Zinc, Dissolved	ug/l	NS	900	50,000		<50.0	BRL	BRL	<50.0	BRL	BRL	<50.0	BRL	BRL	<50.0	BRL	BRL	BRL	BRL	BRL	BRL

TABLE 3
SUMMARY OF GROUNDWATER ANALTYICAL RESULTS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

		Massachusetts Contingency Plan Method 1 Groundwater Standards			Sample ID		MW-104S			MW-105D			MW-105S			MW-106D			MW-106S		
		GW-2	GW-3	UCL GW	Date	5/31/2023	5/15/2013	8/20/2013	5/30/2023	5/15/2013	8/20/2013	5/30/2023	5/15/2013	8/20/2013	5/31/2023	5/15/2013	8/21/2013	5/4/2015	5/15/2013	8/21/2013	5/5/2015
EPH (MADEP Method)																					
2-Methylnaphthalene	ug/l	2,000	20,000	100,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
Acenaphthene	ug/l	NS	10,000	100,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
Acenaphthylene	ug/l	10,000	40	100,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
Anthracene	ug/l	NS	30	600		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(a)anthracene	ug/l	NS	1,000	10,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(a)pyrene	ug/l	NS	500	5,000		<0.200	BRL	BRL	<0.200	BRL	BRL	<0.200	BRL	BRL	<0.200	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(b)fluoranthene	ug/l	NS	400	4,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(g,h,i)perylene	ug/l	NS	20	500		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(k)fluoranthene	ug/l	NS	100	1,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
Chrysene	ug/l	NS	70	700		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
Dibenz(a,h)anthracene	ug/l	NS	40	400		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
Fluoranthene	ug/l	NS	200	2,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
Fluorene	ug/l	NS	40	400		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
Indeno(1,2,3-c,d)pyrene	ug/l	NS	100	1,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	ug/l	700	20,000	100,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
Phenanthrene	ug/l	NS	10,000	100,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
Pyrene	ug/l	NS	20	600		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
C11-C22 Aromatics	ug/l	50,000	5,000	100,000		<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL
C19-C36 Aliphatics	ug/l	NS	50,000	100,000		<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL
C9-C18 Aliphatics	ug/l	5,000	50,000	100,000		<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL
unadjusted C11-C22 Arom	ug/l	NS	NS	NS		<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL
VPH (MADEP Method)																					
Benzene	ug/l	1,000	10,000	100,000		<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	BRL	BRL	BRL	BRL
Ethylbenzene	ug/l	20,000	5,000	100,000		<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	BRL	BRL	BRL	BRL
m,p-Xylenes	ug/l	3,000	5,000	100,000		<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	BRL	BRL	BRL	BRL
Methyl tert-Butyl Ether (MTE	ug/l	50,000	50,000	100,000		<3.00	BRL	BRL	<3.00	BRL	BRL	<3.00	BRL	BRL	<3.00	BRL	BRL	BRL	BRL	BRL	BRL
o-Xylene	ug/l	3,000	5,000	100,000		<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	BRL	BRL	BRL	BRL
Toluene	ug/l	50,000	40,000	100,000		<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	ug/l	700	20,000	100,000		<4.00	BRL	BRL	<4.00	BRL	BRL	<4.00	BRL	BRL	<4.00	BRL	BRL	BRL	BRL	BRL	BRL
C5-C8 Aliphatics	ug/l	3,000	50,000	100,000		**225**	BRL	BRL	<100	BRL	BRL	**192**	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL
C9-C10 Aromatics	ug/l	4,000	50,000	100,000		<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL
C9-C12 Aliphatics	ug/l	5,000	50,000	100,000		<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL
unadjusted C5-C8 Aliphat	ug/l	NS	NS	NS		**225**	BRL	BRL	<100	BRL	BRL	**192**	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL
unadjusted C9-C12 Alipho	ug/l	NS	NS	NS		<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL

Notes:
ug/L - microgram per liter
BRL - Compound not detected above laboratory reporting limit, or sample not analyze
< - indicates the compound was not detected at a concentrations greater than the pı
NS - No Standard
Bold - Compound detected above laboratory reporting limit.
Shaded Cell - Detected concentration exceeds one or more of the following criteria:

GW-2 - 2019 MCP Method 1 GW-2 Standard
GW-3 - 2019 MCP Method 1 GW-3 Standard
UCL - GW - MA Upper Concentration Limit for Groundwater

TABLE 3
SUMMARY OF GROUNDWATER ANALTYICAL RESULTS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

		Massachusetts Contingency Plan Method 1 Groundwater Standards			Sample ID	MW-201D	MW-202D	MW-201	MW-203	MW-203D	MW-204	MW-204D
		GW-2	GW-3	UCL GW	Date	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023
8260												
1,1,1,2-Tetrachloroethane	ug/l	10	50,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0
1,1,1-Trichloroethane	ug/l	4,000	20,000	100,000		<1.0	**37**	<1.0	<1.0	**36**	<1.0	<1.0
1,1,2,2-Tetrachloroethane	ug/l	9	50,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0
1,1,2-Trichloroethane	ug/l	900	50,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0
1,1-Dichloroethane	ug/l	2,000	20,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0
1,1-Dichloroethene	ug/l	80	30,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0
1,1-Dichloropropene	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
1,2,3-Trichlorobenzene	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
1,2,3-Trichloropropane	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
1,2,4-Trichlorobenzene	ug/l	200	50,000	100,000		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
1,2,4-Trimethylbenzene	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
1,2-Dichlorobenzene	ug/l	8,000	2,000	80,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0
1,2-Dichloroethane	ug/l	5	20,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0
1,2-Dichloroethene	ug/l	NS	NS	NS		<1.0	<4.0	<1.0	**2**	<10	<1.0	<1.0
1,2-Dichloropropane	ug/l	3	50,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0
1,3,5-Trimethylbenzene	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
1,3-Dichlorobenzene	ug/l	6,000	50,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0
1,3-Dichloropropane	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
1,3-Dichloropropene	ug/l	10	200	2,000		<0.40	<1.6	<0.40	<0.40	<4.0	<0.40	<0.40
1,4-Dichlorobenzene	ug/l	60	8,000	80,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0
1,4-Dioxane	ug/l	6,000	50,000	100,000		<250	<1000	<250	<250	<2500	<250	<250
2,2-Dichloropropane	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
2-Chlorotoluene	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
2-Hexanone	ug/l	NS	NS	NS		<5.0	<20	<5.0	<5.0	<50	<5.0	<5.0
4-Chlorotoluene	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
Acetone	ug/l	50,000	50,000	100,000		<5.0	<20	<5.0	<5.0	<50	<5.0	<5.0
Benzene	ug/l	1,000	10,000	100,000		<0.50	<2.0	<0.50	<0.50	<5.0	<0.50	<0.50
Bromobenzene	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
Bromochloromethane	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
Bromodichloromethane	ug/l	6	50,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0
Bromoform	ug/l	700	50,000	100,000		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
Bromomethane	ug/l	7	800	8,000		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
Carbon Disulfide	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
Carbon Tetrachloride	ug/l	2	5,000	50,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0
Chlorobenzene	ug/l	200	1,000	10,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0
Chloroethane	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
Chloroform	ug/l	50	20,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0
Chloromethane	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
cis-1,2-Dichloroethene	ug/l	20	50,000	100,000		<1.0	<4.0	<1.0	**2**	<10	<1.0	<1.0
cis-1,3-Dichloropropene	ug/l	NS	NS	NS		<0.40	<1.6	<0.40	<0.40	<4.0	<0.40	<0.40
Dibromochloromethane	ug/l	20	50,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0
Dibromochloropropane (D	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
Dibromomethane	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
Dichlorodifluoromethane	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
Diisopropyl Ether	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
Ethyl Ether	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
Ethyl tert-butyl ether	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0

TABLE 3
SUMMARY OF GROUNDWATER ANALTYICAL RESULTS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

		Massachusetts Contingency Plan Method 1 Groundwater Standards			Sample ID	MW-201D	MW-202D	MW-201	MW-203	MW-203D	MW-204	MW-204D
		GW-2	GW-3	UCL GW	Date	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023
Ethylbenzene	ug/l	20,000	5,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0
Ethylene Dibromide (EDB)	ug/l	2	50,000	100,000		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
Hexachlorobutadiene	ug/l	50	3,000	30,000		<0.60	<2.4	<0.60	<0.60	<6.0	<0.60	<0.60
Isopropylbenzene	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
m,p-Xylenes	ug/l	3,000	5,000	100,000		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
Methyl ethyl Ketone	ug/l	50,000	50,000	100,000		<5.0	<20	<5.0	<5.0	<50	<5.0	<5.0
Methyl Isobutyl Ketone (MI	ug/l	50,000	50,000	100,000		<5.0	<20	<5.0	<5.0	<50	<5.0	<5.0
Methyl tert-Butyl Ether (MTB	ug/l	50,000	50,000	100,000		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
Methylene Chloride	ug/l	2,000	50,000	100,000		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
Naphthalene	ug/l	700	20,000	100,000		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
n-Butylbenzene	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
o-Xylene	ug/l	3,000	5,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0
p-Isopropyltoluene	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
Propylbenzene	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
sec-Butylbenzene	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
Styrene	ug/l	100	6,000	60,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0
Tert-amyl methyl ether	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
tert-Butylbenzene	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
Tetrachloroethene	ug/l	50	30,000	100,000		<1.0	**29**	<1.0	**15**	**370**	**4.6**	<1.0
Tetrahydrofuran	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
Toluene	ug/l	50,000	40,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0
trans-1,2-Dichloroethene	ug/l	80	50,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0
trans-1,3-Dichloropropene	ug/l	NS	NS	NS		<0.40	<1.6	<0.40	<0.40	<4.0	<0.40	<0.40
Trichloroethene	ug/l	5	5,000	50,000		<1.0	**440**	<1.0	**23**	**890**	**16**	<1.0
Trichlorofluoromethane	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0
Vinyl Chloride	ug/l	2	50,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0
Xylenes	ug/l	3,000	5,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0
EPA Methods 6010/6020/7471												
Antimony	ug/l	NS	8,000	80,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Antimony, Dissolved	ug/l	NS	8,000	80,000		<4.0	<4.0	**7.3**	<4.0	<4.0	<4.0	<4.0
Arsenic	ug/l	NS	900	9,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Arsenic, Dissolved	ug/l	NS	900	9,000		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Barium	ug/l	NS	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Barium, Dissolved	ug/l	NS	50,000	100,000		**128**	**78.4**	**113**	**88.1**	**85.3**	**123**	**164**
Beryllium	ug/l	NS	200	2,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Beryllium, Dissolved	ug/l	NS	200	2,000		**1.8**	**0.6**	<0.5	<0.5	**1.9**	<0.5	<0.5
Cadmium	ug/l	NS	4	50		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Cadmium, Dissolved	ug/l	NS	4	50		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Chromium	ug/l	NS	300	3,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chromium, Dissolved	ug/l	NS	300	3,000		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Copper	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Lead	ug/l	NS	10	150		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Lead, Dissolved	ug/l	NS	10	150		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Nickel	ug/l	NS	200	2,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Nickel, Dissolved	ug/l	NS	200	2,000		<25.0	<25.0	**63.4**	**125**	<25.0	<25.0	<25.0
Selenium, Dissolved	ug/l	NS	100	1,000		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Silver, Dissolved	ug/l	NS	7	1,000		<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0
Thallium	ug/l	NS	3,000	30,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Thallium, Dissolved	ug/l	NS	3,000	30,000		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium, Dissolved	ug/l	NS	4,000	40,000		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Zinc	ug/l	NS	900	50,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Zinc, Dissolved	ug/l	NS	900	50,000		<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0

TABLE 3
SUMMARY OF GROUNDWATER ANALTYICAL RESULTS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

		Massachusetts Contingency Plan Method 1 Groundwater Standards			Sample ID	MW-201D	MW-202D	MW-201	MW-203	MW-203D	MW-204	MW-204D
		GW-2	GW-3	UCL GW	Date	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023
EPH (MADEP Method)												
2-Methylnaphthalene	ug/l	2,000	20,000	100,000		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400
Acenaphthene	ug/l	NS	10,000	100,000		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400
Acenaphthylene	ug/l	10,000	40	100,000		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400
Anthracene	ug/l	NS	30	600		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400
Benzo(a)anthracene	ug/l	NS	1,000	10,000		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400
Benzo(a)pyrene	ug/l	NS	500	5,000		<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200
Benzo(b)fluoranthene	ug/l	NS	400	4,000		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400
Benzo(g,h,i)perylene	ug/l	NS	20	500		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400
Benzo(k)fluoranthene	ug/l	NS	100	1,000		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400
Chrysene	ug/l	NS	70	700		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400
Dibenz(a,h)anthracene	ug/l	NS	40	400		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400
Fluoranthene	ug/l	NS	200	2,000		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400
Fluorene	ug/l	NS	40	400		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400
Indeno(1,2,3-c,d)pyrene	ug/l	NS	100	1,000		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400
Naphthalene	ug/l	700	20,000	100,000		<0.400	<0.400	<0.400	**0.422**	<0.400	<0.400	<0.400
Phenanthrene	ug/l	NS	10,000	100,000		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400
Pyrene	ug/l	NS	20	600		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400
C11-C22 Aromatics	ug/l	50,000	5,000	100,000		<100	<100	<100	<100	<100	<100	<100
C19-C36 Aliphatics	ug/l	NS	50,000	100,000		<100	<100	<100	<100	<100	<100	<100
C9-C18 Aliphatics	ug/l	5,000	50,000	100,000		<100	<100	**111**	<100	<100	<100	<100
unadjusted C11-C22 Arom	ug/l	NS	NS	NS		<100	<100	<100	<100	<100	<100	<100
VPH (MADEP Method)												
Benzene	ug/l	1,000	10,000	100,000		<2.00	<2.00	<2.00	<2.00	<4.00	<2.00	<2.00
Ethylbenzene	ug/l	20,000	5,000	100,000		<2.00	<2.00	<2.00	<2.00	<4.00	<2.00	<2.00
m,p-Xylenes	ug/l	3,000	5,000	100,000		<2.00	<2.00	<2.00	<2.00	<4.00	<2.00	<2.00
Methyl tert-Butyl Ether (MTE	ug/l	50,000	50,000	100,000		<3.00	<3.00	<3.00	<3.00	<6.00	<3.00	<3.00
o-Xylene	ug/l	3,000	5,000	100,000		<2.00	<2.00	<2.00	<2.00	<4.00	<2.00	<2.00
Toluene	ug/l	50,000	40,000	100,000		<2.00	<2.00	<2.00	<2.00	<4.00	<2.00	<2.00
Naphthalene	ug/l	700	20,000	100,000		<4.00	<4.00	<4.00	<4.00	<8.00	<4.00	<4.00
C5-C8 Aliphatics	ug/l	3,000	50,000	100,000		<100	**154**	<100	<100	**391**	<100	<100
C9-C10 Aromatics	ug/l	4,000	50,000	100,000		<100	<100	<100	<100	<200	<100	<100
C9-C12 Aliphatics	ug/l	5,000	50,000	100,000		<100	<100	**178**	<100	<200	<100	<100
unadjusted C5-C8 Aliphat	ug/l	NS	NS	NS		<100	**154**	<100	<100	**391**	<100	<100
unadjusted C9-C12 Alipho	ug/l	NS	NS	NS		<100	<100	**178**	<100	<200	<100	<100

Notes:
ug/L - microgram per liter
BRL - Compound not detected above laboratory reporting limit, or sample not analyze
< - indicates the compound was not detected at a concentrations greater than the pı
NS - No Standard
Bold - Compound detected above laboratory reporting limit.
Shaded Cell - Detected concentration exceeds one or more of the following criteria:

GW-2 - 2019 MCP Method 1 GW-2 Standard
GW-3 - 2019 MCP Method 1 GW-3 Standard
UCL - GW - MA Upper Concentration Limit for Groundwater

TABLE 4
SUMMARY OF SEDIMENT ANALTYICAL RESULTS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	EPA Region 3 FW SSB	MADEP Stage 1 SSC	Sample ID	Raceway - East	Raceway - West	SD-01	SD-02	SD-03	SD-04	SD-05	SD-06	SD-07	SED-101	SED-102	SED-103	SED-104
				Depth	0 - 0.2 ft	0 - 0.2 ft	0 - 0.2 ft	0 - 0.2 ft	0 - 0.2 ft	0 - 0.2 ft	0 - 0.25 ft	0 - 0.25 ft	0 - 0.25 ft	0 - 0.25 ft	0 - 0.25 ft	0 - 0.25 ft	0 - 0.25 ft
				Date	4/1/2013	4/1/2013	4/26/2007	4/26/2007	4/26/2007	4/26/2007	10/25/2007	10/25/2007	10/25/2007	9/22/2023	9/22/2023	9/22/2023	9/22/2023
				Excavated (Yes/No)	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No
8260																	
1,1,1,2-Tetrachloroethane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.00034	<0.00031	<0.00028	<0.00030
1,1,1-Trichloroethane	mg/kg	0.0301657	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.00034	<0.00031	<0.00028	<0.00030
1,1,2,2-Tetrachloroethane	mg/kg	1.3645200	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.00034	<0.00031	<0.00028	<0.00030
1,1,2-Trichloroethane	mg/kg	1.2434010	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059
1,1-Dichloroethane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059
1,1-Dichloroethene	mg/kg	0.0310463	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059
1,1-Dichloropropene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.00034	<0.00031	<0.00028	<0.00030
1,2,3-Trichlorobenzene	mg/kg	0.8583610	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012
1,2,3-Trichloropropane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012
1,2,4-Trichlorobenzene	mg/kg	2.1004930	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012
1,2,4-Trimethylbenzene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012
1,2-Dichlorobenzene	mg/kg	0.0164842	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012
1,2-Dichloroethane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059
1,2-Dichloroethene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.00069	**0.00063**	<0.00056	<0.00059
1,2-Dichloropropane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059
1,3,5-Trimethylbenzene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012
1,3-Dichlorobenzene	mg/kg	4.4295670	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012
1,3-Dichloropropane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012
1,3-Dichloropropene	mg/kg	0.0000509	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.00034	<0.00031	<0.00028	<0.00030
1,4-Dichlorobenzene	mg/kg	0.5985678	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012
1,4-Dioxane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.055	<0.050	<0.045	<0.047
2,2-Dichloropropane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012
2-Chlorotoluene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012
2-Hexanone	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0069	<0.0062	<0.0056	<0.0059
4-Chlorotoluene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012
Acetone	mg/kg	NS	NS		BRL	BRL	<0.0052	<0.0054	<0.0046	**0.0078**	BRL	BRL	BRL	**0.027**	**0.021**	<0.014	<0.015
Benzene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.00034	<0.00031	<0.00028	<0.00030
Bromobenzene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012
Bromochloromethane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012
Bromodichloromethane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.00034	<0.00031	<0.00028	<0.00030
Bromoform	mg/kg	0.6538528	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0028	<0.0025	<0.0022	<0.0024
Bromomethane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012
Carbon Disulfide	mg/kg	0.0008513	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0069	<0.0062	<0.0056	<0.0059
Carbon Tetrachloride	mg/kg	0.0642276	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059
Chlorobenzene	mg/kg	0.0084256	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.00034	<0.00031	<0.00028	<0.00030
Chloroethane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012
Chloroform	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0010	<0.00093	<0.00084	<0.00088
Chloromethane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0028	<0.0025	<0.0022	<0.0024
cis-1,2-Dichloroethene	mg/kg	NS	NS		**0.0094**	**0.0035**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.00069	**0.00063**	<0.00056	<0.00059
cis-1,3-Dichloropropene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.00034	<0.00031	<0.00028	<0.00030
Dibromochloromethane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059
Dibromochloropropane (DB	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0021	<0.0019	<0.0017	<0.0018
Dibromomethane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012
Dichlorodifluoromethane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0069	<0.0062	<0.0056	<0.0059
Diisopropyl Ether	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012
Ethyl Ether	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012
Ethyl tert-butyl ether	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012
Ethylbenzene	mg/kg	1.0993670	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059
Ethylene Dibromide (EDB)	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059
Hexachlorobutadiene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0028	<0.0025	<0.0022	<0.0024
Isopropylbenzene	mg/kg	0.0859792	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059
m,p-Xylenes	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012
Methyl ethyl Ketone	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0069	<0.0062	<0.0056	<0.0059
Methyl Isobutyl Ketone (MIB	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0069	<0.0062	<0.0056	<0.0059
Methyl tert-Butyl Ether (MTB	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012
Methylene Chloride	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0034	<0.0031	<0.0028	<0.0030
Naphthalene	mg/kg	NS	0.18		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0028	<0.0025	<0.0022	<0.0024
n-Butylbenzene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059
o-Xylene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059
p-Isopropyltoluene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059
Propylbenzene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059
sec-Butylbenzene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059
Styrene	mg/kg	0.5592842	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059
Tert-amyl methyl ether	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012
tert-Butylbenzene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012
Tetrachloroethene	mg/kg	0.4679646	NS		**0.022**	**0.02**	**0.0076**	**0.037**	<0.0046	<0.0045	BRL	BRL	BRL	<0.00034	<0.00031	<0.00028	<0.00030
Tetrahydrofuran	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0028	<0.0025	<0.0022	<0.0024
Toluene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059
trans-1,2-Dichloroethene	mg/kg	1.0516270	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0010	<0.00093	<0.00084	<0.00088
trans-1,3-Dichloropropene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059
Trichloroethene	mg/kg	0.0969236	NS		**0.017**	**0.03**	<0.0052	**0.012**	<0.0046	<0.0045	BRL	BRL	BRL	<0.00034	<0.00031	<0.00028	<0.00030
Trichlorofluoromethane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.0028	<0.0025	<0.0022	<0.0024
Vinyl Chloride	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059
Xylenes	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059

TABLE 4
SUMMARY OF SEDIMENT ANALTYICAL RESULTS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

				Sample ID	Raceway - East	Raceway - West	SD-01	SD-02	SD-03	SD-04	SD-05	SD-06	SD-07	SED-101	SED-102	SED-103	SED-104
				Depth	0 - 0.2 ft	0 - 0.2 ft	0 - 0.2 ft	0 - 0.2 ft	0 - 0.2 ft	0 - 0.2 ft	0 - 0.25 ft	0 - 0.25 ft	0 - 0.25 ft	0 - 0.25 ft	0 - 0.25 ft	0 - 0.25 ft	0 - 0.25 ft
				Date	4/1/2013	4/1/2013	4/26/2007	4/26/2007	4/26/2007	4/26/2007	10/25/2007	10/25/2007	10/25/2007	9/22/2023	9/22/2023	9/22/2023	9/22/2023
EPA Methods 6010/6020/7471																	
Antimony	mg/kg	NS	NS		**8.2**	<4	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.28	<2.34	<2.21	<2.24
Arsenic	mg/kg	NS	33		BRL	BRL	<0.31	**0.75**	<0.30	<0.30	BRL	BRL	BRL	**0.92**	**6.9**	**2.84**	**12.3**
Barium	mg/kg	NS	NS		**230**	**190**	**15**	**20**	**22**	**9**	BRL	BRL	BRL	**15.7**	**17.4**	**37.2**	**27**
Beryllium	mg/kg	NS	NS		**2.3**	**0.69**	**0.13**	**0.16**	**0.16**	**0.15**	BRL	BRL	BRL	<0.228	<0.234	**0.365**	**0.391**
Cadmium	mg/kg	NS	5		**0.43**	0	**0.14**	**0.13**	**0.16**	**0.14**	BRL	BRL	BRL	<0.455	<0.468	<0.442	<0.448
Chromium	mg/kg	NS	110		**120**	**83**	**1.6**	**1.3**	**0.75**	**2.9**	BRL	BRL	BRL	**5.36**	**4.2**	**8.56**	**21.9**
Copper	mg/kg	NS	150		BRL	BRL	**7**	**6.1**	**1.8**	**3.2**	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Lead	mg/kg	NS	130		**380**	**290**	**8.6**	**5.9**	**4.8**	**13**	BRL	BRL	BRL	**7.42**	**15**	**16.6**	**53**
Mercury	mg/kg	NS	0.18		**1.2**	**0.65**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Nickel	mg/kg	NS	49		**17**	**12**	**5.4**	**3.6**	**0.69**	**1.4**	BRL	BRL	BRL	**1.69**	**2.69**	**14**	**22.8**
Selenium	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.28	<2.34	<2.21	<2.24
Silver	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.455	<0.468	<0.442	<0.448
Thallium	mg/kg	NS	NS		BRL	BRL	**0.55**	**0.99**	**0.69**	<0.30	BRL	BRL	BRL	<2.28	<2.34	<2.21	<2.24
Vanadium	mg/kg	NS	NS		**11**	**8.2**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	**5.35**	**4.73**	**10.3**	**10.2**
Zinc	mg/kg	NS	460		**200**	**150**	**23**	**18**	**15**	**12**	BRL	BRL	BRL	**19.6**	**70.1**	**67**	**106**
EPH (MADEP Method)																	
2-Methylnaphthalene	mg/kg	NS	NS		<1	**5.5**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Acenaphthene	mg/kg	NS	NS		<1	**18**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Acenaphthylene	mg/kg	NS	NS		<1	**1.2**	**0.14**	<0.120	<0.120	<0.120	**0.077**	**0.076**	**0.17**	BRL	BRL	BRL	BRL
Anthracene	mg/kg	NS	0.057		**1.1**	**36**	**0.16**	<0.120	<0.120	<0.120	**0.34**	**0.058**	**0.098**	BRL	BRL	BRL	BRL
Benzo(a)anthracene	mg/kg	NS	0.11		**2.6**	**40**	**0.33**	<0.120	<0.120	<0.120	**0.44**	**0.4**	**0.92**	BRL	BRL	BRL	BRL
Benzo(a)pyrene	mg/kg	NS	0.15		**2.3**	**28**	<0.120	<0.120	<0.120	<0.120	**0.33**	**0.35**	**0.86**	BRL	BRL	BRL	BRL
Benzo(b)fluoranthene	mg/kg	NS	NS		**3.1**	**36**	**0.12**	<0.120	<0.120	<0.120	**0.47**	**0.52**	**1.2**	BRL	BRL	BRL	BRL
Benzo(g,h,i)perylene	mg/kg	NS	NS		**1.5**	**14**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(k)fluoranthene	mg/kg	NS	NS		**1.2**	**14**	**0.14**	<0.120	<0.120	<0.120	**0.39**	**0.45**	**0.99**	BRL	BRL	BRL	BRL
Chrysene	mg/kg	NS	0.17		**2.7**	**35**	<0.120	<0.120	<0.120	<0.120	**0.48**	**0.5**	**1.2**	BRL	BRL	BRL	BRL
Dibenz(a,h)anthracene	mg/kg	NS	0.033		<1	**4.4**	<0.120	<0.120	<0.120	<0.120	**0.046**	<0.040	**0.16**	BRL	BRL	BRL	BRL
Fluoranthene	mg/kg	NS	0.42		**5.6**	**110**	**0.82**	<0.120	<0.120	<0.120	**0.89**	**0.81**	**2**	BRL	BRL	BRL	BRL
Fluorene	mg/kg	NS	0.077		<1	**21**	<0.120	<0.120	<0.120	<0.120	<0.038	<0.040	<0.046	BRL	BRL	BRL	BRL
Indeno(1,2,3-c,d)pyrene	mg/kg	NS	NS		**1.4**	**17**	<0.120	<0.120	<0.120	<0.120	**0.11**	**0.13**	**0.31**	BRL	BRL	BRL	BRL
Naphthalene	mg/kg	NS	0.18		<1	**10**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Phenanthrene	mg/kg	NS	0.2		**5**	**140**	**0.23**	<0.120	<0.120	<0.120	<0.038	<0.040	<0.046	BRL	BRL	BRL	BRL
Pyrene	mg/kg	NS	0.2		**5.3**	**98**	**0.45**	<0.120	<0.120	<0.120	**0.74**	**0.95**	**2**	BRL	BRL	BRL	BRL
C11-C22 Aromatics	mg/kg	NS	NS		**190**	**800**	**14**	<12.000	<12.000	<12.000	BRL	BRL	BRL	BRL	BRL	BRL	BRL
C19-C36 Aliphatics	mg/kg	NS	NS		**390**	**170**	**20**	<12.000	<12.000	<12.000	BRL	BRL	BRL	BRL	BRL	BRL	BRL
C9-C18 Aliphatics	mg/kg	NS	NS		<87	<77	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL

Notes:
BRL - Compound not detected above laboratory reporting limit, or sample not analyzed for compound.
NS - No Standard
mg/kg - milligram per kilogram
< - indicates the compound was not detected at a concentrations greater than the provided laboratory reporting limit.
Bold - Compound detected above laboratory reporting limit.
Shaded Cell - Detected concentration exceeds one or more of the following criteria:

EPA Region 3 FW SSB - EPA Region 3 Freshwater Sediment Screening Benchmarks
MADEP Stage 1 SSC - MADEP Stage 1 Sediment Screening Criteria

TABLE 5
SUMMARY OF SURFACE WATER ANALTYICAL RESULTS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	USEPA Water Quality Criteria - Consumption of Organisms	USEPA Water Quality Criteria - Consumption of Water and Organisms	Sample ID	Raceway - East	Raceway - West	SW-01	SW-02	SW-03	SW-04
				Date	4/1/2013	4/1/2013	4/26/2007	4/26/2007	4/26/2007	4/26/2007
8260										
cis-1,2-Dichloroethene	ug/l	NS	NS		**3.4**	**2.3**	BRL	BRL	BRL	BRL
EPA Methods 6010/6020/7471										
Antimony	ug/l	640	5.6		**1.4**	**1.7**	BRL	BRL	BRL	BRL
Arsenic	ug/l	0.14	0.018		**0.85**	**1.3**	BRL	BRL	BRL	BRL
Barium	ug/l	NS	1,000		**140**	**150**	**86**	**85**	**84**	**83**
Beryllium	ug/l	NS	NS		**1.1**	**0.82**	BRL	BRL	BRL	BRL
Chromium	ug/l	NS	NS		**21**	**21**	BRL	BRL	BRL	BRL
Copper	ug/l	NS	1,300		BRL	BRL	**4**	**2.3**	<2.0	**2.3**
Lead	ug/l	NS	NS		**70**	**63**	<2.0	<2.0	**3.3**	<2.0
Mercury	ug/l	NS	NS		**0.17**	**0.48**	BRL	BRL	BRL	BRL
Nickel	ug/l	4,600	610		**13**	**13**	BRL	BRL	BRL	BRL
Zinc	ug/l	26,000	7,400		**55**	**60**	**18**	**17**	**17**	**15**
EPH (MADEP Method)										
2-Methylnaphthalene	ug/l	NS	NS		<2	<2	BRL	BRL	BRL	BRL
Acenaphthene	ug/l	90	70		<2	<2	BRL	BRL	BRL	BRL
Acenaphthylene	ug/l	NS	NS		<2	<2	BRL	BRL	BRL	BRL
Anthracene	ug/l	400	300		<2	<2	BRL	BRL	BRL	BRL
Benzo(a)anthracene	ug/l	0.0013	0.0012		<2	<2	BRL	BRL	BRL	BRL
Benzo(a)pyrene	ug/l	0.00013	0.00012		<2	<2	BRL	BRL	BRL	BRL
Benzo(b)fluoranthene	ug/l	0.0013	0.0012		<2	<2	BRL	BRL	BRL	BRL
Benzo(g,h,i)perylene	ug/l	NS	NS		<2	<2	BRL	BRL	BRL	BRL
Benzo(k)fluoranthene	ug/l	0.013	0.012		<2	<2	BRL	BRL	BRL	BRL
Chrysene	ug/l	0.13	0.12		<2	<2	BRL	BRL	BRL	BRL
Dibenz(a,h)anthracene	ug/l	0.00013	0.00012		<2	<2	BRL	BRL	BRL	BRL
Fluoranthene	ug/l	20	20		<2	<2	BRL	BRL	BRL	BRL
Fluorene	ug/l	70	50		<2	<2	BRL	BRL	BRL	BRL
Indeno(1,2,3-c,d)pyrene	ug/l	0.0013	0.0012		<2	<2	BRL	BRL	BRL	BRL
Naphthalene	ug/l	NS	NS		<2	<2	BRL	BRL	BRL	BRL
Phenanthrene	ug/l	NS	NS		<2	<2	BRL	BRL	BRL	BRL
Pyrene	ug/l	30	20		<2	<2	BRL	BRL	BRL	BRL
C11-C22 Aromatics	ug/l	NS	NS		<100	**120**	BRL	BRL	BRL	BRL
C19-C36 Aliphatics	ug/l	NS	NS		**210**	**320**	BRL	BRL	BRL	BRL
C9-C18 Aliphatics	ug/l	NS	NS		**160**	<100	BRL	BRL	BRL	BRL
VPH (MADEP Method)										
Methyl tert-Butyl Ether (MTBE)	ug/l	NS	NS		BRL	BRL	<1.0	**1.1**	<1.0	<1.0

Notes:
BRL - Compound not detected above laboratory reporting limit, or sample not analyzed for compound.
NS - No Standard
ug/l - micrograms per liter
< - indicates the compound was not detected at a concentrations greater than the provided laboratory reporting limit.
Bold - Compound detected above laboratory reporting limit.
Shaded Cell - Detected concentration exceeds one or more of the following criteria:

USEPA Recommended Water Quality Criteria - Consumption of Organisms
USEPA Recommended Water Quality Criteria - Consumption of Water and Organisms

TABLE 6
SUMMARY OF SUB-SLAB SOIL VAPOR ANALTYICAL RESULTS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	MassDEP Sub-Slab Soil Gas Screening Values		Sample Location	Location 1 Soil Vapor	Location 1 Soil Vapor Grab	Location 1 Soil Vapor Grab	Location 2 Soil Vapor	Location 2 Soil Vapor Dup	Location 3 Soil Vapor	Location 3 Soil Vapor	Location 3 Soil Vapor Dup	Location 4 Soil Vapor	Location 4 Soil Vapor	Location 5 Soil Vapor	Location 5 Soil Vapor	Location 6 Soil Vapor	Location 6 Soil Vapor Dup
				Sample ID	Canister 22688	SS-1	SS-1 dup	SS-2	SS-2 dup	Canister 12570	SS-3	SS-3 dup	Canister 22694	SS-4	Canister 14897	SS-5	SS-6	SS-6 dup
				Sample Type	Canister	Syringe	Syringe	Syringe	Syringe	Canister	Syringe	Syringe	Canister	Syringe	Canister	Syringe	Syringe	Syringe
		Commercial/ Industrial	**Residential**	Date	12/15/2014	12/15/2014	12/15/2014	12/15/2014	12/15/2014	12/15/2014	12/15/2014	12/15/2014	12/15/2014	12/15/2014	12/15/2014	12/15/2014	12/15/2014	12/15/2014
				Matrix	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor
1,1,1-Trichloroethane	ug/m3	310,000	210		<0.87	NT	NT	NT	NT	**3.4**	NT	NT	<0.49	NT	<0.87	NT	NT	NT
1,1-Dichloroethene	ug/m3	12,000	56		<0.63	NT	NT	NT	NT	**0.58**	NT	NT	<3.6	NT	<0.63	NT	NT	NT
1,2,4-Trimethylbenzene	ug/m3	NS	NS		<0.79	NT	NT	NT	NT	**0.92**	NT	NT	<4.4	NT	<0.79	NT	NT	NT
1,3,5-Trimethylbenzene	ug/m3	NS	NS		<0.79	NT	NT	NT	NT	<0.37	NT	NT	<4.4	NT	<0.79	NT	NT	NT
4-Ethyltoluene	ug/m3	NS	NS		<0.79	NT	NT	NT	NT	**0.62**	NT	NT	<4.4	NT	<0.79	NT	NT	NT
4-Methyl-2-pentanone	ug/m3	190,000	150		<0.66	NT	NT	NT	NT	<0.31	NT	NT	<3.7	NT	<0.66	NT	NT	NT
Benzene	ug/m3	800	160		**0.61**	NT	NT	NT	NT	**0.79**	NT	NT	<2.9	NT	**0.56**	NT	NT	NT
Cyclohexane	ug/m3	NS	NS		<0.55	NT	NT	NT	NT	**0.52**	NT	NT	<3.1	NT	<0.55	NT	NT	NT
Dichlorodifluoromethane	ug/m3	NS	NS		**2.4**	NT	NT	NT	NT	**2.6**	NT	NT	<4.4	NT	**1.6**	NT	NT	NT
Ethylbenzene	ug/m3	62,000	520		<0.69	NT	NT	NT	NT	**0.39**	NT	NT	<3.9	NT	<0.69	NT	NT	NT
Hexane	ug/m3	NS	NS		**0.95**	NT	NT	NT	NT	**2.2**	NT	NT	<3.2	NT	**0.95**	NT	NT	NT
m,p-Xylenes	ug/m3	NS	NS		<1.4	NT	NT	NT	NT	**1.2**	NT	NT	<7.8	NT	<1.4	NT	NT	NT
Methyl ethyl Ketone	ug/m3	310,000	850		<0.47	NT	NT	NT	NT	**0.73**	NT	NT	<2.6	NT	**0.51**	NT	NT	NT
Methylchloride	ug/m3	NS	NS		**0.68**	NT	NT	NT	NT	**0.68**	NT	NT	<1.9	NT	**0.62**	NT	NT	NT
Methylene Chloride	ug/m3	37,000	770		<0.56	NT	NT	NT	NT	**0.32**	NT	NT	<3.1	NT	<0.56	NT	NT	NT
o-Xylene	ug/m3	NS	NS		<0.69	NT	NT	NT	NT	**0.58**	NT	NT	<3.9	NT	<0.69	NT	NT	NT
Tetrachloroethene	ug/m3	290	98		<1.1	<3.4	**4.7**	<3.4	<3.4	**1.8**	**5.4**	**5.4**	**48**	**122**	**1.7**	<3.4	<3.4	<3.4
Toluene	ug/m3	310,000	3,800		**1.3**	NT	NT	NT	NT	**4.0**	NT	NT	<3.4	NT	**1.8**	NT	NT	NT
Trichloroethene	ug/m3	120	28		**85**	**183**	**177**	**161**	**183**	**1.2**	**3.8**	<3.8	**170**	**360**	**24**	**51**	<3.8	**4.3**
Trichlorofluoromethane	ug/m3	NS	NS		**1.1**	NT	NT	NT	NT	**1.5**	NT	NT	<5.1	NT	**1.3**	NT	NT	NT
Xylenes, Total	ug/m3	6,200	1,400		<1.4	NT	NT	NT	NT	**1.78**	NT	NT	<7.8	NT	<1.4	NT	NT	NT

Notes:
NS - No Standard
NT - Sample not analyzed for compound, or results not summarized in original report.
ug/m3 - micrograms per cubic meter
Sub-Slab Soil Gas Screening Values taken from MassDEP Vapor Intrusion Guidance Document, dated October 14, 2016
< - indicates the compound was not detected at a concentrations greater than the provided laboratory reporting limit
Concentrations of all analyzed constituents were below laboratory reporting limits unless listed above
Only select target compounds from original report are summarized above.
Bold - Compound detected above laboratory reporting limit.
Shaded Cell - Detected concentration exceeds one or more of the following criteria:
Commercial/Industrial Sub-Slab Soil Gas Screening Values

TABLE 7
SUMMARY OF INDOOR AIR ANALTYICAL RESULTS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	MassDEP Indoor Air Threshold Values		Sample Location	Ambient Air	Location 2 Indoor Air	Location 2 Indoor Air	Location 3 Indoor Air	Location 3 Indoor Air
				Sample ID	Ambient	Location 2	Location 2 DUP	Location 3	Location 3
				Sample Type	Canister	Canister	Canister	Canister	Syringe Grab
		Commercial/ Industrial	**Residential**	Date	12/15/2014	12/15/2014	12/15/2014	12/15/2014	12/15/2014
				Matrix	Air	Air	Air	Air	Air
1,1,1-Trichloroethan	ug/m3	4,400	3		<0.50	<0.60	<0.52	<0.55	NT
1,1-Dichloroethene	ug/m3	180	0.8		<0.36	<0.44	<0.38	<0.40	NT
1,2,4-Trimethylbenze	ug/m3	NS	NS		<0.45	**1.0**	**0.75**	**1.2**	NT
1,3,5-Trimethylbenze	ug/m3	NS	NS		<0.45	<0.54	<0.47	<0.49	NT
4-Ethyltoluene	ug/m3	NS	NS		<0.45	**0.98**	**0.83**	**1.2**	NT
4-Methyl-2-pentano	ug/m3	2,700	2.2		<0.38	<0.45	**0.42**	<0.41	NT
Benzene	ug/m3	11	2.3		**0.91**	**1.2**	**1.4**	**1.4**	NT
Cyclohexane	ug/m3	NS	NS		**0.34**	**0.90**	**1.0**	**1.2**	NT
Dichlorodifluoromet	ug/m3	NS	NS		**2.4**	**2.6**	**2.8**	**2.7**	NT
Ethylbenzene	ug/m3	880	7.4		<0.40	**0.70**	**0.78**	**0.94**	NT
Hexane	ug/m3	NS	NS		**25**	**39**	**27**	**26**	NT
m,p-Xylenes	ug/m3	NS	NS		**1.1**	**2.2**	**2.5**	**3**	NT
Methyl ethyl Ketone	ug/m3	4,400	12		**0.47**	**0.51**	**0.4**	**0.64**	NT
Methylchloride	ug/m3	NS	NS		**0.95**	**0.90**	**0.95**	**0.95**	NT
Methylene Chloride	ug/m3	530	11		<0.32	**0.46**	**0.47**	**0.49**	NT
o-Xylene	ug/m3	NS	NS		<0.40	**0.82**	**0.89**	**1.1**	NT
Tetrachloroethene	ug/m3	4.1	1.4		<0.62	<0.75	<0.65	<0.68	<3.4
Toluene	ug/m3	4,400	54		**2.6**	**4.3**	**5.3**	**5.7**	NT
Trichloroethene	ug/m3	1.8	0.4		<0.49	**1.0**	**1.2**	**1.2**	<3.8
Trichlorofluorometh	ug/m3	NS	NS		**1.3**	**1.4**	**1.5**	**1.5**	NT
Xylenes, Total	ug/m3	88	20		**1.1**	**3.02**	**3.39**	**4.1**	NT

Notes:
NS - No Standard
NT - Sample not analyzed for compound, or results not summarized in original report.
ug/m3 - micrograms per cubic meter
Indoor Air Threshold Values taken from MassDEP Vapor Intrusion Guidance Document, dated October 14, 2016
< - indicates the compound was not detected at a concentrations greater than the provided laboratory reporting limit
Concentrations of all analyzed constituents were below laboratory reporting limits unless listed above
Only select target compounds from original report are summarized above.
Bold - Compound detected above laboratory reporting limit.
Shaded Cell - Detected concentration exceeds one or more of the following criteria:
Commercial/Industrial Indoor Air Threshold Screening Values

TABLE 7
SUMMARY OF INDOOR AIR ANALTYICAL RESULTS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	MassDEP Indoor Air Threshold Values		Sample Location	Location 4 Indoor	Location 4 Indoor Air	Location 4 Indoor Air	Location 5 Indoor Air	Location 6 Indoor Air	Location 6 Indoor Air
				Sample ID	Location 4	Location 4	Location 4 DUP	Location 5	Location 6	Location 6
				Sample Type	Canister	Syringe Grab	Syringe Grab	Canister	Canister	Syringe Grab
		Commercial/ Industrial	**Residential**	Date	12/15/2014	12/15/2014	12/15/2014	12/15/2014	12/15/2014	12/15/2014
				Matrix	Air	Air	Air	Air	Air	Air
1,1,1-Trichloroethan	ug/m3	4,400	3		<0.51	NT	NT	<0.55	<0.52	NT
1,1-Dichloroethene	ug/m3	180	0.8		<0.37	NT	NT	<0.40	<0.38	NT
1,2,4-Trimethylbenze	ug/m3	NS	NS		**2.3**	NT	NT	**0.99**	**0.74**	NT
1,3,5-Trimethylbenze	ug/m3	NS	NS		**0.74**	NT	NT	<0.49	<0.47	NT
4-Ethyltoluene	ug/m3	NS	NS		**2.2**	NT	NT	**0.96**	**0.81**	NT
4-Methyl-2-pentano	ug/m3	2,700	2.2		<0.38	NT	NT	<0.41	<0.39	NT
Benzene	ug/m3	11	2.3		**1.7**	NT	NT	**1.3**	**1.5**	NT
Cyclohexane	ug/m3	NS	NS		**2.4**	NT	NT	**1.0**	**1.3**	NT
Dichlorodifluorome	ug/m3	NS	NS		**2.7**	NT	NT	**2.7**	**2.8**	NT
Ethylbenzene	ug/m3	880	7.4		**1.5**	NT	NT	**0.81**	**0.95**	NT
Hexane	ug/m3	NS	NS		**39**	NT	NT	**39**	**39**	NT
m,p-Xylenes	ug/m3	NS	NS		**4.6**	NT	NT	**2.6**	**3.1**	NT
Methyl ethyl Ketone	ug/m3	4,400	12		**0.65**	NT	NT	**0.52**	**0.50**	NT
Methylchloride	ug/m3	NS	NS		**0.93**	NT	NT	**0.95**	**0.95**	NT
Methylene Chloride	ug/m3	530	11		**0.51**	NT	NT	**0.49**	**0.46**	NT
o-Xylene	ug/m3	NS	NS		**1.7**	NT	NT	**0.92**	**1.1**	NT
Tetrachloroethene	ug/m3	4.1	1.4		<0.64	<3.4	<3.4	<0.68	<0.64	<3.4
Toluene	ug/m3	4,400	54		**8.1**	NT	NT	**4.9**	**5.5**	NT
Trichloroethene	ug/m3	1.8	0.4		**2.7**	<3.8	<3.8	**0.96**	**0.52**	<3.8
Trichlorofluorometh	ug/m3	NS	NS		**1.7**	NT	NT	**1.5**	**1.4**	NT
Xylenes, Total	ug/m3	88	20		**6.3**	NT	NT	**3.52**	**4.2**	NT

Notes:
NS - No Standard
NT - Sample not analyzed for compound, or results not summarized in orig
ug/m3 - micrograms per cubic meter
Indoor Air Threshold Values taken from MassDEP Vapor Intrusion Guidanc
< - indicates the compound was not detected at a concentrations great
Concentrations of all analyzed constituents were below laboratory repor
Only select target compounds from original report are summarized abov
Bold - Compound detected above laboratory reporting limit.
Shaded Cell - Detected concentration exceeds one or more of the follo
Commercial/Industrial Indoor Air Threshold Screening Values

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	B-02	B-02	B-05	B-05	B-10	B-10	B-11
									Lab ID	841061130-03	841061130-04	841061130-09	841061130-10	841061201-21	841061201-22	841061201-23
									Depth	0 - 2 ft	5 - 7 ft	0.4 - 2 ft	5 - 7 ft	0 - 2 ft	5 - 7 ft	0 - 2 ft
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	11/30/2006	11/30/2006	11/30/2006	11/30/2006	12/1/2006	12/1/2006	12/1/2006
8260																
1,1,1,2-Tetrachloroethane	mg/kg	0.1	80	0.1	400	0.1	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,1-Trichloroethane	mg/kg	500	500	600	1,000	600	3,000	10,000		<0.0051	<0.0058	<0.0050	<0.0053	<0.270	<0.0054	<0.0050
1,1,2,2-Tetrachloroethane	mg/kg	0.02	10	0.02	50	0.02	400	4,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,2-Trichloroethane	mg/kg	2	40	2	200	2	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloroethane	mg/kg	9	500	9	1,000	9	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloroethene	mg/kg	40	500	40	1,000	40	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichloropropane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trichlorobenzene	mg/kg	6	700	6	3,000	6	5,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trimethylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichlorobenzene	mg/kg	100	300	100	300	100	300	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloroethane	mg/kg	0.1	20	0.1	100	0.1	300	9,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloroethene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloropropane	mg/kg	0.1	30	0.1	100	0.1	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3,5-Trimethylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichlorobenzene	mg/kg	100	100	200	500	200	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichloropropane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichloropropene	mg/kg	0.4	20	0.4	90	0.4	100	9,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dichlorobenzene	mg/kg	1	80	1	400	1	2,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dioxane	mg/kg	6	20	6	90	6	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
2,2-Dichloropropane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
2-Chlorotoluene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
2-Hexanone	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
4-Chlorotoluene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Acetone	mg/kg	50	400	50	400	50	400	10,000		<0.020	<0.023	<0.020	<0.021	<1.100	<0.022	<0.020
Benzene	mg/kg	40	40	200	200	400	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromobenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromochloromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromodichloromethane	mg/kg	0.1	30	0.1	100	0.1	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromoform	mg/kg	1	300	1	800	1	800	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromomethane	mg/kg	0.5	30	0.5	30	0.5	30	6,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Carbon Disulfide	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Carbon Tetrachloride	mg/kg	5	30	5	100	5	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chlorobenzene	mg/kg	3	100	3	100	3	100	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	B-02	B-02	B-05	B-05	B-10	B-10	B-11
									Lab ID	841061130-03	841061130-04	841061130-09	841061130-10	841061201-21	841061201-22	841061201-23
									Depth	0 - 2 ft	5 - 7 ft	0.4 - 2 ft	5 - 7 ft	0 - 2 ft	5 - 7 ft	0 - 2 ft
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	11/30/2006	11/30/2006	11/30/2006	11/30/2006	12/1/2006	12/1/2006	12/1/2006
Chloroethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloroform	mg/kg	0.2	500	0.2	1,000	0.2	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
cis-1,2-Dichloroethene	mg/kg	0.1	100	0.1	500	0.1	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
cis-1,3-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibromochloromethane	mg/kg	0.03	20	0.03	100	0.03	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibromochloropropane (DBCP)	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibromomethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dichlorodifluoromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Diisopropyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethyl tert-butyl ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethylbenzene	mg/kg	500	500	1,000	1,000	1,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethylene Dibromide (EDB)	mg/kg	0.1	1	0.1	5	0.1	40	400		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Hexachlorobutadiene	mg/kg	30	30	100	100	100	100	1,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Isopropylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
m,p-Xylenes	mg/kg	100	500	100	1,000	100	3,000	10,000		**0.007**	<0.0058	<0.0050	<0.0053	<0.270	<0.0054	<0.0050
Methyl ethyl Ketone	mg/kg	50	400	50	400	50	400	10,000		<0.010	<0.012	<0.010	<0.010	<0.550	<0.011	<0.010
Methyl Isobutyl Ketone (MIBK)	mg/kg	50	400	50	400	50	400	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methyl tert-Butyl Ether (MTBE)	mg/kg	100	100	100	500	100	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methylene Chloride	mg/kg	4	400	4	700	4	700	7,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	mg/kg	20	500	20	1,000	20	3,000	10,000		<0.0051	**0.01**	<0.0050	<0.0053	<0.100	<0.0054	<0.0050
n-Butylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
o-Xylene	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
p-Isopropyltoluene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Propylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
sec-Butylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Styrene	mg/kg	4	70	4	300	4	2,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tert-amyl methyl ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
tert-Butylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tetrachloroethene	mg/kg	10	30	10	200	10	1,000	10,000		<0.0051	<0.0058	**0.11**	**0.022**	**4.3**	**0.048**	**0.04**
Tetrahydrofuran	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Toluene	mg/kg	500	500	1,000	1,000	2,000	3,000	10,000		**0.017**	<0.0058	<0.0050	<0.0053	<0.270	<0.0054	**0.016**
trans-1,2-Dichloroethene	mg/kg	1	500	1	1,000	1	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
trans-1,3-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Trichloroethene	mg/kg	0.3	30	0.3	60	0.3	60	600		<0.0051	<0.0058	**0.058**	**0.0096**	**9.3**	**0.15**	**0.005**
Trichlorofluoromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Vinyl Chloride	mg/kg	0.7	1	0.7	7	0.7	60	600		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Xylenes	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	B-02	B-02	B-05	B-05	B-10	B-10	B-11
									Lab ID	841061130-03	841061130-04	841061130-09	841061130-10	841061201-21	841061201-22	841061201-23
									Depth	0 - 2 ft	5 - 7 ft	0.4 - 2 ft	5 - 7 ft	0 - 2 ft	5 - 7 ft	0 - 2 ft
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	11/30/2006	11/30/2006	11/30/2006	11/30/2006	12/1/2006	12/1/2006	12/1/2006
EPA Methods 6010/6020/7471																
Antimony	mg/kg	20	20	30	30	30	30	300		<0.56	<0.59	<0.53	<0.54	<0.50	<0.50	<0.54
Arsenic	mg/kg	20	20	20	20	50	50	500		**1.2**	<0.59	**1.1**	<0.54	<0.50	<0.50	**1.8**
Barium	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**36**	**20**	**39**	**10**	**16**	**9.6**	**23**
Beryllium	mg/kg	90	90	200	200	200	200	2,000		**0.21**	**0.19**	**0.25**	**0.13**	**0.7**	**0.91**	**0.16**
Cadmium	mg/kg	70	70	100	100	100	100	1,000		**0.17**	**0.14**	**0.22**	<0.11	<0.10	<0.10	**0.26**
Chromium	mg/kg	100	100	200	200	200	200	2,000		**7.1**	**6**	**5.1**	**3.5**	**5.2**	**1.9**	**5.4**
Copper	mg/kg	NS	NS	NS	NS	NS	NS	NS		**91**	**43**	**32**	**3.4**	**6.3**	**1.9**	**8.5**
Lead	mg/kg	200	200	600	600	600	600	6,000		**40**	**18**	**20**	**1.6**	**2.9**	**4.8**	**17**
Mercury	mg/kg	20	20	30	30	30	30	300		**0.029**	<0.024	**0.023**	<0.022	**0.023**	<0.021	**0.032**
Nickel	mg/kg	600	600	1,000	1,000	1,000	1,000	10,000		**4**	**3.6**	**4.9**	**14**	**3.6**	**1**	**3.2**
Selenium	mg/kg	400	400	700	700	700	700	7,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Silver	mg/kg	100	100	200	200	200	200	2,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Thallium	mg/kg	8	8	60	60	80	80	800		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Vanadium	mg/kg	400	400	700	700	700	700	7,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Zinc	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**85**	**63**	**48**	**6.8**	**22**	**15**	**48**
EPH (MADEP Method)																
2-Methylnaphthalene	mg/kg	80	300	80	500	80	500	5,000		<0.110	<0.110	<0.100	<0.110	<0.100	<0.100	<0.110
Acenaphthene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**0.74**	<0.110	**0.22**	<0.110	<0.100	<0.100	<0.110
Acenaphthylene	mg/kg	600	10	600	10	600	10	10,000		**0.24**	**0.34**	<0.100	<0.110	**0.2**	<0.100	<0.110
Anthracene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<0.110	**0.32**	**0.97**	<0.110	**0.25**	<0.100	<0.110
Benzo(a)anthracene	mg/kg	7	7	40	40	300	300	3,000		<0.110	**1**	**1.1**	<0.110	**1.5**	<0.100	<0.110
Benzo(a)pyrene	mg/kg	2	2	7	7	30	30	300		<0.110	**1**	<0.100	<0.110	**2**	<0.100	<0.110
Benzo(b)fluoranthene	mg/kg	7	7	40	40	300	300	3,000		<0.110	**1.4**	<0.100	<0.110	**2**	<0.100	<0.110
Benzo(g,h,i)perylene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(k)fluoranthene	mg/kg	70	70	400	400	3,000	3,000	10,000		<0.110	**0.54**	<0.100	<0.110	**0.86**	<0.100	<0.110
Chrysene	mg/kg	70	70	400	400	3,000	3,000	10,000		<0.110	**1.2**	**1.2**	<0.110	**0.12**	<0.100	<0.110
Dibenz(a,h)anthracene	mg/kg	0.7	0.7	4	4	30	30	300		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Fluoranthene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**0.49**	**2.1**	**2.3**	<0.110	**1.3**	<0.100	<0.110
Fluorene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<0.110	<0.110	**0.23**	<0.110	<0.100	<0.100	<0.110
Indeno(1,2,3-c,d)pyrene	mg/kg	7	7	40	40	300	300	3,000		<0.110	<0.110	<0.100	<0.110	**0.26**	<0.100	<0.110
Naphthalene	mg/kg	20	500	20	1,000	20	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Phenanthrene	mg/kg	500	500	1,000	1,000	3,000	3,000	10,000		**0.35**	**1.1**	**2.3**	<0.110	**0.26**	<0.100	<0.110
Pyrene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<0.110	**2**	**2**	<0.110	**1.6**	<0.100	<0.110
C11-C22 Aromatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**17**	**32**	**33**	<11.000	**25**	<10.000	**18**
C19-C36 Aliphatics	mg/kg	3,000	3,000	5,000	5,000	5,000	5,000	20,000		<11.000	<11.000	<10.000	<11.000	<10.000	<10.000	<11.000
C9-C18 Aliphatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	20,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
unadjusted C11-C22 Aromatics	mg/kg									BRL	BRL	BRL	BRL	BRL	BRL	BRL

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	B-02	B-02	B-05	B-05	B-10	B-10	B-11
									Lab ID	841061130-03	841061130-04	841061130-09	841061130-10	841061201-21	841061201-22	841061201-23
									Depth	0 - 2 ft	5 - 7 ft	0.4 - 2 ft	5 - 7 ft	0 - 2 ft	5 - 7 ft	0 - 2 ft
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	11/30/2006	11/30/2006	11/30/2006	11/30/2006	12/1/2006	12/1/2006	12/1/2006
VPH (MADEP Method)																
Benzene	mg/kg	40	40	200	200	400	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethylbenzene	mg/kg	500	500	1,000	1,000	1,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
m,p-Xylenes	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methyl tert-Butyl Ether (MTBE)	mg/kg	100	100	100	500	100	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
o-Xylene	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Toluene	mg/kg	500	500	1,000	1,000	2,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	mg/kg	20	500	20	1,000	20	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
C5-C8 Aliphatics	mg/kg	100	100	500	500	500	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
C9-C10 Aromatics	mg/kg	100	100	500	500	500	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
C9-C12 Aliphatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	20,000		<6.900	<8.800	<5.900	<6.500	<6.400	<6.100	<12.000
unadjusted C5-C8 Aliphatics	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
unadjusted C9-C12 Aliphatics	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL

Notes:
BRL - Compound not detected above laboratory reporting limit, or sample not analyzed for compound.
NS - No Standard
EPC - Exposure point concentration
mg/kg - milligram per kilogram
UCL - Upper Concentration Limit
< - indicates the compound was not detected at a concentrations greater than the provided laboratory reporting limit.
1/2 of the laboratory method detection limit was used for EPC calculations for samples not
detected at a concentrations greater than the provided laboratory reporting limit.
Bold - Compound detected above laboratory reporting limit.
Shaded Cell - Detected concentration exceeds one or more of the following criteria:

S-1/GW-2 - 2019 MCP Method 1 Soil Standard
S-1/GW-3 - 2019 MCP Method 1 Soil Standard
S-2/GW-2 - 2019 MCP Method 1 Soil Standard
S-2/GW-3- 2019 MCP Method 1 Soil Standard
S-3/GW-2 - 2019 MCP Method 1 Soil Standard
S-3/GW-3 - 2019 MCP Method 1 Soil Standard
UCL - Soil - MA Upper Concentration Limit for Soil

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	B-11	B-12	B-4 Hot Spot	B-4 Hot Spot	B-4 Hot Spot	B-4 Hot Spot
									Lab ID	841061201-24	841061201-25	1028120918-06	1028120918-07	1028120918-09	1028130108-02
									Depth	5 - 7 ft	0 - 2 ft	6 - 7 ft	0 - 2 ft	0 - 2 ft	0 - 3 ft
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	12/1/2006	12/1/2006	9/18/2012	9/18/2012	9/18/2012	1/8/2013
8260															
1,1,1,2-Tetrachloroethane	mg/kg	0.1	80	0.1	400	0.1	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL
1,1,1-Trichloroethane	mg/kg	500	500	600	1,000	600	3,000	10,000		<0.0057	<0.0052	<0.0024	<0.0021	**0.012**	<0.001
1,1,2,2-Tetrachloroethane	mg/kg	0.02	10	0.02	50	0.02	400	4,000		BRL	BRL	BRL	BRL	BRL	BRL
1,1,2-Trichloroethane	mg/kg	2	40	2	200	2	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloroethane	mg/kg	9	500	9	1,000	9	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloroethene	mg/kg	40	500	40	1,000	40	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichloropropane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trichlorobenzene	mg/kg	6	700	6	3,000	6	5,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trimethylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichlorobenzene	mg/kg	100	300	100	300	100	300	10,000		BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloroethane	mg/kg	0.1	20	0.1	100	0.1	300	9,000		BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloroethene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloropropane	mg/kg	0.1	30	0.1	100	0.1	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
1,3,5-Trimethylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichlorobenzene	mg/kg	100	100	200	500	200	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichloropropane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichloropropene	mg/kg	0.4	20	0.4	90	0.4	100	9,000		BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dichlorobenzene	mg/kg	1	80	1	400	1	2,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dioxane	mg/kg	6	20	6	90	6	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL
2,2-Dichloropropane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
2-Chlorotoluene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
2-Hexanone	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
4-Chlorotoluene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Acetone	mg/kg	50	400	50	400	50	400	10,000		**0.03**	<0.021	BRL	BRL	BRL	BRL
Benzene	mg/kg	40	40	200	200	400	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Bromobenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Bromochloromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Bromodichloromethane	mg/kg	0.1	30	0.1	100	0.1	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL
Bromoform	mg/kg	1	300	1	800	1	800	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Bromomethane	mg/kg	0.5	30	0.5	30	0.5	30	6,000		BRL	BRL	BRL	BRL	BRL	BRL
Carbon Disulfide	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Carbon Tetrachloride	mg/kg	5	30	5	100	5	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Chlorobenzene	mg/kg	3	100	3	100	3	100	10,000		BRL	BRL	BRL	BRL	BRL	BRL

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	B-11	B-12	B-4 Hot Spot	B-4 Hot Spot	B-4 Hot Spot	B-4 Hot Spot
									Lab ID	841061201-24	841061201-25	1028120918-06	1028120918-07	1028120918-09	1028130108-02
									Depth	5 - 7 ft	0 - 2 ft	6 - 7 ft	0 - 2 ft	0 - 2 ft	0 - 3 ft
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	12/1/2006	12/1/2006	9/18/2012	9/18/2012	9/18/2012	1/8/2013
Chloroethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Chloroform	mg/kg	0.2	500	0.2	1,000	0.2	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Chloromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
cis-1,2-Dichloroethene	mg/kg	0.1	100	0.1	500	0.1	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL
cis-1,3-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Dibromochloromethane	mg/kg	0.03	20	0.03	100	0.03	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL
Dibromochloropropane (DBCP)	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Dibromomethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Dichlorodifluoromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Diisopropyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Ethyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Ethyl tert-butyl ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Ethylbenzene	mg/kg	500	500	1,000	1,000	1,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Ethylene Dibromide (EDB)	mg/kg	0.1	1	0.1	5	0.1	40	400		BRL	BRL	BRL	BRL	BRL	BRL
Hexachlorobutadiene	mg/kg	30	30	100	100	100	100	1,000		BRL	BRL	BRL	BRL	BRL	BRL
Isopropylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
m,p-Xylenes	mg/kg	100	500	100	1,000	100	3,000	10,000		<0.0057	<0.0052	BRL	BRL	BRL	BRL
Methyl ethyl Ketone	mg/kg	50	400	50	400	50	400	10,000		<0.011	<0.010	BRL	BRL	BRL	BRL
Methyl Isobutyl Ketone (MIBK)	mg/kg	50	400	50	400	50	400	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Methyl tert-Butyl Ether (MTBE)	mg/kg	100	100	100	500	100	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL
Methylene Chloride	mg/kg	4	400	4	700	4	700	7,000		BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	mg/kg	20	500	20	1,000	20	3,000	10,000		<0.0057	<0.0052	BRL	BRL	BRL	BRL
n-Butylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
o-Xylene	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
p-Isopropyltoluene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Propylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
sec-Butylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Styrene	mg/kg	4	70	4	300	4	2,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Tert-amyl methyl ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
tert-Butylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Tetrachloroethene	mg/kg	10	30	10	200	10	1,000	10,000		**0.045**	**0.011**	**0.034**	**0.0023**	<0.0021	<0.001
Tetrahydrofuran	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Toluene	mg/kg	500	500	1,000	1,000	2,000	3,000	10,000		<0.0057	<0.0052	BRL	BRL	BRL	BRL
trans-1,2-Dichloroethene	mg/kg	1	500	1	1,000	1	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
trans-1,3-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Trichloroethene	mg/kg	0.3	30	0.3	60	0.3	60	600		<0.0057	**0.0065**	**0.011**	<0.0021	<0.0021	<0.001
Trichlorofluoromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Vinyl Chloride	mg/kg	0.7	1	0.7	7	0.7	60	600		BRL	BRL	BRL	BRL	BRL	BRL
Xylenes	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	B-11	B-12	B-4 Hot Spot	B-4 Hot Spot	B-4 Hot Spot	B-4 Hot Spot
									Lab ID	841061201-24	841061201-25	1028120918-06	1028120918-07	1028120918-09	1028130108-02
									Depth	5 - 7 ft	0 - 2 ft	6 - 7 ft	0 - 2 ft	0 - 2 ft	0 - 3 ft
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	12/1/2006	12/1/2006	9/18/2012	9/18/2012	9/18/2012	1/8/2013
EPA Methods 6010/6020/7471															
Antimony	mg/kg	20	20	30	30	30	30	300		<0.60	<0.56	BRL	BRL	BRL	BRL
Arsenic	mg/kg	20	20	20	20	50	50	500		<0.60	**3.1**	BRL	BRL	BRL	BRL
Barium	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**34**	**30**	BRL	BRL	BRL	BRL
Beryllium	mg/kg	90	90	200	200	200	200	2,000		**0.38**	**0.26**	BRL	BRL	BRL	BRL
Cadmium	mg/kg	70	70	100	100	100	100	1,000		<0.12	**0.19**	BRL	BRL	BRL	BRL
Chromium	mg/kg	100	100	200	200	200	200	2,000		**4.4**	**6**	BRL	BRL	BRL	BRL
Copper	mg/kg	NS	NS	NS	NS	NS	NS	NS		**2.9**	**37**	BRL	BRL	BRL	BRL
Lead	mg/kg	200	200	600	600	600	600	6,000		**4.3**	**93**	BRL	BRL	BRL	BRL
Mercury	mg/kg	20	20	30	30	30	30	300		<0.024	**0.044**	BRL	BRL	BRL	BRL
Nickel	mg/kg	600	600	1,000	1,000	1,000	1,000	10,000		**1.7**	**130**	BRL	BRL	BRL	BRL
Selenium	mg/kg	400	400	700	700	700	700	7,000		BRL	BRL	BRL	BRL	BRL	BRL
Silver	mg/kg	100	100	200	200	200	200	2,000		BRL	BRL	BRL	BRL	BRL	BRL
Thallium	mg/kg	8	8	60	60	80	80	800		BRL	BRL	BRL	BRL	BRL	BRL
Vanadium	mg/kg	400	400	700	700	700	700	7,000		BRL	BRL	BRL	BRL	BRL	BRL
Zinc	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**8.4**	**28**	BRL	BRL	BRL	BRL
EPH (MADEP Method)															
2-Methylnaphthalene	mg/kg	80	300	80	500	80	500	5,000		<0.110	<0.110	BRL	BRL	BRL	BRL
Acenaphthene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<0.110	<0.110	BRL	BRL	BRL	BRL
Acenaphthylene	mg/kg	600	10	600	10	600	10	10,000		<0.110	**0.12**	BRL	BRL	BRL	BRL
Anthracene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<0.110	<0.110	BRL	BRL	BRL	BRL
Benzo(a)anthracene	mg/kg	7	7	40	40	300	300	3,000		<0.110	**0.49**	BRL	BRL	BRL	BRL
Benzo(a)pyrene	mg/kg	2	2	7	7	30	30	300		<0.110	<0.110	BRL	BRL	BRL	BRL
Benzo(b)fluoranthene	mg/kg	7	7	40	40	300	300	3,000		<0.110	**0.29**	BRL	BRL	BRL	BRL
Benzo(g,h,i)perylene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Benzo(k)fluoranthene	mg/kg	70	70	400	400	3,000	3,000	10,000		<0.110	<0.110	BRL	BRL	BRL	BRL
Chrysene	mg/kg	70	70	400	400	3,000	3,000	10,000		<0.110	<0.110	BRL	BRL	BRL	BRL
Dibenz(a,h)anthracene	mg/kg	0.7	0.7	4	4	30	30	300		BRL	BRL	BRL	BRL	BRL	BRL
Fluoranthene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<0.110	**1.3**	BRL	BRL	BRL	BRL
Fluorene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<0.110	<0.110	BRL	BRL	BRL	BRL
Indeno(1,2,3-c,d)pyrene	mg/kg	7	7	40	40	300	300	3,000		<0.110	<0.110	BRL	BRL	BRL	BRL
Naphthalene	mg/kg	20	500	20	1,000	20	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Phenanthrene	mg/kg	500	500	1,000	1,000	3,000	3,000	10,000		<0.110	**0.94**	BRL	BRL	BRL	BRL
Pyrene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<0.110	**1.2**	BRL	BRL	BRL	BRL
C11-C22 Aromatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<11.000	**28**	BRL	BRL	BRL	BRL
C19-C36 Aliphatics	mg/kg	3,000	3,000	5,000	5,000	5,000	5,000	20,000		<11.000	**16**	BRL	BRL	BRL	BRL
C9-C18 Aliphatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	20,000		BRL	BRL	BRL	BRL	BRL	BRL
unadjusted C11-C22 Aromatics	mg/kg									BRL	BRL	BRL	BRL	BRL	BRL

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	B-11	B-12	B-4 Hot Spot	B-4 Hot Spot	B-4 Hot Spot	B-4 Hot Spot
									Lab ID	841061201-24	841061201-25	1028120918-06	1028120918-07	1028120918-09	1028130108-02
									Depth	5 - 7 ft	0 - 2 ft	6 - 7 ft	0 - 2 ft	0 - 2 ft	0 - 3 ft
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	12/1/2006	12/1/2006	9/18/2012	9/18/2012	9/18/2012	1/8/2013
VPH (MADEP Method)															
Benzene	mg/kg	40	40	200	200	400	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Ethylbenzene	mg/kg	500	500	1,000	1,000	1,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
m,p-Xylenes	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Methyl tert-Butyl Ether (MTBE)	mg/kg	100	100	100	500	100	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL
o-Xylene	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Toluene	mg/kg	500	500	1,000	1,000	2,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	mg/kg	20	500	20	1,000	20	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
C5-C8 Aliphatics	mg/kg	100	100	500	500	500	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL
C9-C10 Aromatics	mg/kg	100	100	500	500	500	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL
C9-C12 Aliphatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	20,000		<8.000	<6.800	BRL	BRL	BRL	BRL
unadjusted C5-C8 Aliphatics	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
unadjusted C9-C12 Aliphatics	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL

Notes:
BRL - Compound not detected above laboratory reporting limit, or sample not analyzed for compound.
NS - No Standard
EPC - Exposure point concentration
mg/kg - milligram per kilogram
UCL - Upper Concentration Limit
< - indicates the compound was not detected at a concentrations greater than the provided laboratory reporting limit.
1/2 of the laboratory method detection limit was used for EPC calculations for samples not
detected at a concentrations greater than the provided laboratory reporting limit.
Bold - Compound detected above laboratory reporting limit.
Shaded Cell - Detected concentration exceeds one or more of the following criteria:

S-1/GW-2 - 2019 MCP Method 1 Soil Standard
S-1/GW-3 - 2019 MCP Method 1 Soil Standard
S-2/GW-2 - 2019 MCP Method 1 Soil Standard
S-2/GW-3- 2019 MCP Method 1 Soil Standard
S-3/GW-2 - 2019 MCP Method 1 Soil Standard
S-3/GW-3 - 2019 MCP Method 1 Soil Standard
UCL - Soil - MA Upper Concentration Limit for Soil

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	East Bottom	East Sidewall	MS106D-0406	MW-1	MW-1	MW-101D	MW-103D
									Lab ID	841070502-04	841070502-01	13E0369-06	841061130-01	841061130-02	13E0369-05	13E0369-01
									Depth	0 - 8 ft	0 - 3 ft	4 - 6 ft	0.5 - 2 ft	3 - 5 ft	6 - 8 ft	4 - 6 ft
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	5/1/2008	5/1/2008	5/9/2013	11/30/2006	11/30/2006	5/8/2013	5/7/2013
8260																
1,1,1,2-Tetrachloroethane	mg/kg	0.1	80	0.1	400	0.1	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,1-Trichloroethane	mg/kg	500	500	600	1,000	600	3,000	10,000		**0.012**	<0.0056	BRL	<0.0053	<0.0056	BRL	BRL
1,1,2,2-Tetrachloroethane	mg/kg	0.02	10	0.02	50	0.02	400	4,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,2-Trichloroethane	mg/kg	2	40	2	200	2	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloroethane	mg/kg	9	500	9	1,000	9	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloroethene	mg/kg	40	500	40	1,000	40	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichloropropane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trichlorobenzene	mg/kg	6	700	6	3,000	6	5,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trimethylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichlorobenzene	mg/kg	100	300	100	300	100	300	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloroethane	mg/kg	0.1	20	0.1	100	0.1	300	9,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloroethene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloropropane	mg/kg	0.1	30	0.1	100	0.1	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3,5-Trimethylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichlorobenzene	mg/kg	100	100	200	500	200	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichloropropane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichloropropene	mg/kg	0.4	20	0.4	90	0.4	100	9,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dichlorobenzene	mg/kg	1	80	1	400	1	2,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dioxane	mg/kg	6	20	6	90	6	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
2,2-Dichloropropane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
2-Chlorotoluene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
2-Hexanone	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
4-Chlorotoluene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Acetone	mg/kg	50	400	50	400	50	400	10,000		<0.0050	**0.0088**	BRL	<0.021	<0.022	BRL	BRL
Benzene	mg/kg	40	40	200	200	400	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromobenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromochloromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromodichloromethane	mg/kg	0.1	30	0.1	100	0.1	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromoform	mg/kg	1	300	1	800	1	800	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromomethane	mg/kg	0.5	30	0.5	30	0.5	30	6,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Carbon Disulfide	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Carbon Tetrachloride	mg/kg	5	30	5	100	5	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chlorobenzene	mg/kg	3	100	3	100	3	100	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	East Bottom	East Sidewall	MS106D-0406	MW-1	MW-1	MW-101D	MW-103D
									Lab ID	841070502-04	841070502-01	13E0369-06	841061130-01	841061130-02	13E0369-05	13E0369-01
									Depth	0 - 8 ft	0 - 3 ft	4 - 6 ft	0.5 - 2 ft	3 - 5 ft	6 - 8 ft	4 - 6 ft
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	5/1/2008	5/1/2008	5/9/2013	11/30/2006	11/30/2006	5/8/2013	5/7/2013
Chloroethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloroform	mg/kg	0.2	500	0.2	1,000	0.2	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
cis-1,2-Dichloroethene	mg/kg	0.1	100	0.1	500	0.1	500	5,000		BRL	BRL	<0.0027	BRL	BRL	<0.002	<0.0023
cis-1,3-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibromochloromethane	mg/kg	0.03	20	0.03	100	0.03	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibromochloropropane (DBCP)	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibromomethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dichlorodifluoromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Diisopropyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethyl tert-butyl ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethylbenzene	mg/kg	500	500	1,000	1,000	1,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethylene Dibromide (EDB)	mg/kg	0.1	1	0.1	5	0.1	40	400		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Hexachlorobutadiene	mg/kg	30	30	100	100	100	100	1,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Isopropylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
m,p-Xylenes	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	BRL	<0.0053	<0.0056	BRL	BRL
Methyl ethyl Ketone	mg/kg	50	400	50	400	50	400	10,000		BRL	BRL	BRL	<0.010	<0.011	BRL	BRL
Methyl Isobutyl Ketone (MIBK)	mg/kg	50	400	50	400	50	400	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methyl tert-Butyl Ether (MTBE)	mg/kg	100	100	100	500	100	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methylene Chloride	mg/kg	4	400	4	700	4	700	7,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	mg/kg	20	500	20	1,000	20	3,000	10,000		BRL	BRL	BRL	<0.0053	<0.0056	BRL	BRL
n-Butylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
o-Xylene	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
p-Isopropyltoluene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Propylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
sec-Butylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Styrene	mg/kg	4	70	4	300	4	2,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tert-amyl methyl ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
tert-Butylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tetrachloroethene	mg/kg	10	30	10	200	10	1,000	10,000		**0.012**	**0.046**	<0.0027	<0.0053	<0.0056	<0.002	**0.0035**
Tetrahydrofuran	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Toluene	mg/kg	500	500	1,000	1,000	2,000	3,000	10,000		BRL	BRL	BRL	<0.0053	<0.0056	BRL	BRL
trans-1,2-Dichloroethene	mg/kg	1	500	1	1,000	1	3,000	10,000		BRL	BRL	<0.0027	BRL	BRL	<0.002	<0.0023
trans-1,3-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Trichloroethene	mg/kg	0.3	30	0.3	60	0.3	60	600		**0.011**	**0.0069**	<0.0027	<0.0053	<0.0056	**0.013**	<0.0023
Trichlorofluoromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Vinyl Chloride	mg/kg	0.7	1	0.7	7	0.7	60	600		BRL	BRL	<0.014	BRL	BRL	<0.01	<0.012
Xylenes	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	East Bottom	East Sidewall	MS106D-0406	MW-1	MW-1	MW-101D	MW-103D
									Lab ID	841070502-04	841070502-01	13E0369-06	841061130-01	841061130-02	13E0369-05	13E0369-01
									Depth	0 - 8 ft	0 - 3 ft	4 - 6 ft	0.5 - 2 ft	3 - 5 ft	6 - 8 ft	4 - 6 ft
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	5/1/2008	5/1/2008	5/9/2013	11/30/2006	11/30/2006	5/8/2013	5/7/2013
EPA Methods 6010/6020/7471																
Antimony	mg/kg	20	20	30	30	30	30	300		BRL	BRL	BRL	<0.53	<0.56	BRL	BRL
Arsenic	mg/kg	20	20	20	20	50	50	500		**0.77**	**1**	<2.8	<0.50	<0.56	**5.2**	<2.7
Barium	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**16**	**30**	**23**	**16**	**24**	**60**	**43**
Beryllium	mg/kg	90	90	200	200	200	200	2,000		**0.064**	**0.057**	BRL	**0.19**	**0.57**	BRL	BRL
Cadmium	mg/kg	70	70	100	100	100	100	1,000		**0.39**	**0.36**	<0.28	<0.10	<0.11	**0.53**	**0.35**
Chromium	mg/kg	100	100	200	200	200	200	2,000		**3.2**	**3.6**	**5.3**	**3.2**	**5.3**	**27**	**29**
Copper	mg/kg	NS	NS	NS	NS	NS	NS	NS		**60**	**32**	**3.5**	**4.9**	**12**	**57**	**10**
Lead	mg/kg	200	200	600	600	600	600	6,000		**45**	**46**	**5.1**	**4.9**	**8.1**	**20**	**49**
Mercury	mg/kg	20	20	30	30	30	30	300		BRL	BRL	<0.0027	<0.021	<0.022	<0.0027	**0.052**
Nickel	mg/kg	600	600	1,000	1,000	1,000	1,000	10,000		**280**	**190**	**2.7**	**2.6**	**3.3**	**7.5**	**14**
Selenium	mg/kg	400	400	700	700	700	700	7,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Silver	mg/kg	100	100	200	200	200	200	2,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Thallium	mg/kg	8	8	60	60	80	80	800		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Vanadium	mg/kg	400	400	700	700	700	700	7,000		BRL	BRL	**11**	BRL	BRL	**10**	**16**
Zinc	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**120**	**94**	**22**	**10**	**13**	**52**	**93**
EPH (MADEP Method)																
2-Methylnaphthalene	mg/kg	80	300	80	500	80	500	5,000		BRL	BRL	BRL	<0.100	<0.100	BRL	BRL
Acenaphthene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	<0.100	<0.100	BRL	BRL
Acenaphthylene	mg/kg	600	10	600	10	600	10	10,000		**0.16**	**0.38**	BRL	**0.27**	<0.100	BRL	BRL
Anthracene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**0.17**	**0.32**	BRL	**0.39**	<0.100	BRL	BRL
Benzo(a)anthracene	mg/kg	7	7	40	40	300	300	3,000		**0.41**	**0.64**	BRL	**1.2**	<0.100	BRL	BRL
Benzo(a)pyrene	mg/kg	2	2	7	7	30	30	300		**0.36**	**1.1**	BRL	**1.1**	<0.100	BRL	BRL
Benzo(b)fluoranthene	mg/kg	7	7	40	40	300	300	3,000		**0.18**	**0.52**	BRL	**1.7**	<0.100	BRL	BRL
Benzo(g,h,i)perylene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(k)fluoranthene	mg/kg	70	70	400	400	3,000	3,000	10,000		**0.27**	<0.100	BRL	**0.6**	<0.100	BRL	BRL
Chrysene	mg/kg	70	70	400	400	3,000	3,000	10,000		BRL	BRL	BRL	**1.6**	<0.100	BRL	BRL
Dibenz(a,h)anthracene	mg/kg	0.7	0.7	4	4	30	30	300		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Fluoranthene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**1.1**	**2**	BRL	**2.2**	<0.100	BRL	BRL
Fluorene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**0.12**	<0.100	BRL	<0.100	<0.100	BRL	BRL
Indeno(1,2,3-c,d)pyrene	mg/kg	7	7	40	40	300	300	3,000		<0.097	**0.26**	BRL	<0.100	<0.100	BRL	BRL
Naphthalene	mg/kg	20	500	20	1,000	20	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Phenanthrene	mg/kg	500	500	1,000	1,000	3,000	3,000	10,000		**0.61**	**0.86**	BRL	**0.99**	<0.100	BRL	BRL
Pyrene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**0.57**	**1.3**	BRL	**2.2**	<0.100	BRL	BRL
C11-C22 Aromatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**59**	**54**	BRL	**100**	**16**	BRL	BRL
C19-C36 Aliphatics	mg/kg	3,000	3,000	5,000	5,000	5,000	5,000	20,000		**140**	**61**	BRL	**40**	**14**	BRL	BRL
C9-C18 Aliphatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	20,000		**66**	**19**	BRL	BRL	BRL	BRL	BRL
unadjusted C11-C22 Aromatics	mg/kg									BRL	BRL	BRL	BRL	BRL	BRL	BRL

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	East Bottom	East Sidewall	MS106D-0406	MW-1	MW-1	MW-101D	MW-103D
									Lab ID	841070502-04	841070502-01	13E0369-06	841061130-01	841061130-02	13E0369-05	13E0369-01
									Depth	0 - 8 ft	0 - 3 ft	4 - 6 ft	0.5 - 2 ft	3 - 5 ft	6 - 8 ft	4 - 6 ft
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	5/1/2008	5/1/2008	5/9/2013	11/30/2006	11/30/2006	5/8/2013	5/7/2013
VPH (MADEP Method)																
Benzene	mg/kg	40	40	200	200	400	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethylbenzene	mg/kg	500	500	1,000	1,000	1,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
m,p-Xylenes	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methyl tert-Butyl Ether (MTBE)	mg/kg	100	100	100	500	100	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
o-Xylene	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Toluene	mg/kg	500	500	1,000	1,000	2,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	mg/kg	20	500	20	1,000	20	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
C5-C8 Aliphatics	mg/kg	100	100	500	500	500	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
C9-C10 Aromatics	mg/kg	100	100	500	500	500	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
C9-C12 Aliphatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	20,000		BRL	BRL	BRL	<6.200	<6.500	BRL	BRL
unadjusted C5-C8 Aliphatics	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
unadjusted C9-C12 Aliphatics	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL

Notes:
BRL - Compound not detected above laboratory reporting limit, or sample not analyzed for compound.
NS - No Standard
EPC - Exposure point concentration
mg/kg - milligram per kilogram
UCL - Upper Concentration Limit
< - indicates the compound was not detected at a concentrations greater than the provided laboratory reporting limit.
1/2 of the laboratory method detection limit was used for EPC calculations for samples not
detected at a concentrations greater than the provided laboratory reporting limit.
Bold - Compound detected above laboratory reporting limit.
Shaded Cell - Detected concentration exceeds one or more of the following criteria:

S-1/GW-2 - 2019 MCP Method 1 Soil Standard
S-1/GW-3 - 2019 MCP Method 1 Soil Standard
S-2/GW-2 - 2019 MCP Method 1 Soil Standard
S-2/GW-3- 2019 MCP Method 1 Soil Standard
S-3/GW-2 - 2019 MCP Method 1 Soil Standard
S-3/GW-3 - 2019 MCP Method 1 Soil Standard
UCL - Soil - MA Upper Concentration Limit for Soil

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	MW-103D	MW-105D	MW-13	MW-17	MW-17	MW-17	MW-2
									Lab ID	13E0369-02	13E0369-04	841071031-01	841071101-04	841071101-05	841071101-06	841061130-05
									Depth	4 - 6 ft	10 - 12 ft	10 - 12 ft	0.3 - 2 ft	6 - 8 ft	6 - 8 ft	0 - 3 ft
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	5/7/2013	5/8/2013	10/31/2007	11/1/2007	11/1/2007	11/1/2007	11/30/2006
8260																
1,1,1,2-Tetrachloroethane	mg/kg	0.1	80	0.1	400	0.1	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,1-Trichloroethane	mg/kg	500	500	600	1,000	600	3,000	10,000		BRL	BRL	<0.0032	<0.0064	<0.0047	<0.0052	<0.0053
1,1,2,2-Tetrachloroethane	mg/kg	0.02	10	0.02	50	0.02	400	4,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,2-Trichloroethane	mg/kg	2	40	2	200	2	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloroethane	mg/kg	9	500	9	1,000	9	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloroethene	mg/kg	40	500	40	1,000	40	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichloropropane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trichlorobenzene	mg/kg	6	700	6	3,000	6	5,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trimethylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichlorobenzene	mg/kg	100	300	100	300	100	300	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloroethane	mg/kg	0.1	20	0.1	100	0.1	300	9,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloroethene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloropropane	mg/kg	0.1	30	0.1	100	0.1	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3,5-Trimethylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichlorobenzene	mg/kg	100	100	200	500	200	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichloropropane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichloropropene	mg/kg	0.4	20	0.4	90	0.4	100	9,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dichlorobenzene	mg/kg	1	80	1	400	1	2,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dioxane	mg/kg	6	20	6	90	6	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
2,2-Dichloropropane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
2-Chlorotoluene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
2-Hexanone	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
4-Chlorotoluene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Acetone	mg/kg	50	400	50	400	50	400	10,000		BRL	BRL	<0.0032	**0.011**	**0.028**	**0.035**	<0.021
Benzene	mg/kg	40	40	200	200	400	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromobenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromochloromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromodichloromethane	mg/kg	0.1	30	0.1	100	0.1	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromoform	mg/kg	1	300	1	800	1	800	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromomethane	mg/kg	0.5	30	0.5	30	0.5	30	6,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Carbon Disulfide	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Carbon Tetrachloride	mg/kg	5	30	5	100	5	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chlorobenzene	mg/kg	3	100	3	100	3	100	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	MW-103D	MW-105D	MW-13	MW-17	MW-17	MW-17	MW-2
									Lab ID	13E0369-02	13E0369-04	841071031-01	841071101-04	841071101-05	841071101-06	841061130-05
									Depth	4 - 6 ft	10 - 12 ft	10 - 12 ft	0.3 - 2 ft	6 - 8 ft	6 - 8 ft	0 - 3 ft
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	5/7/2013	5/8/2013	10/31/2007	11/1/2007	11/1/2007	11/1/2007	11/30/2006
Chloroethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloroform	mg/kg	0.2	500	0.2	1,000	0.2	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
cis-1,2-Dichloroethene	mg/kg	0.1	100	0.1	500	0.1	500	5,000		<0.0024	**12**	BRL	BRL	BRL	BRL	BRL
cis-1,3-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibromochloromethane	mg/kg	0.03	20	0.03	100	0.03	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibromochloropropane (DBCP)	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibromomethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dichlorodifluoromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Diisopropyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethyl tert-butyl ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethylbenzene	mg/kg	500	500	1,000	1,000	1,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethylene Dibromide (EDB)	mg/kg	0.1	1	0.1	5	0.1	40	400		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Hexachlorobutadiene	mg/kg	30	30	100	100	100	100	1,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Isopropylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
m,p-Xylenes	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	<0.0032	<0.0064	<0.0047	<0.0052	<0.0053
Methyl ethyl Ketone	mg/kg	50	400	50	400	50	400	10,000		BRL	BRL	<0.0032	<0.0064	**0.0066**	**0.0074**	<0.011
Methyl Isobutyl Ketone (MIBK)	mg/kg	50	400	50	400	50	400	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methyl tert-Butyl Ether (MTBE)	mg/kg	100	100	100	500	100	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methylene Chloride	mg/kg	4	400	4	700	4	700	7,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	mg/kg	20	500	20	1,000	20	3,000	10,000		BRL	BRL	<0.0032	**0.14**	<0.0047	<0.0052	<0.0053
n-Butylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
o-Xylene	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
p-Isopropyltoluene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Propylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
sec-Butylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Styrene	mg/kg	4	70	4	300	4	2,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tert-amyl methyl ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
tert-Butylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tetrachloroethene	mg/kg	10	30	10	200	10	1,000	10,000		**0.0036**	**0.064**	**0.0064**	<0.0064	<0.0047	<0.0052	**0.028**
Tetrahydrofuran	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Toluene	mg/kg	500	500	1,000	1,000	2,000	3,000	10,000		BRL	BRL	<0.0032	<0.0064	<0.0047	<0.0052	<0.0053
trans-1,2-Dichloroethene	mg/kg	1	500	1	1,000	1	3,000	10,000		<0.0024	**0.0097**	BRL	BRL	BRL	BRL	BRL
trans-1,3-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Trichloroethene	mg/kg	0.3	30	0.3	60	0.3	60	600		<0.0024	**0.085**	**0.0035**	<0.0064	<0.0047	<0.0052	**0.012**
Trichlorofluoromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Vinyl Chloride	mg/kg	0.7	1	0.7	7	0.7	60	600		<0.012	**0.054**	BRL	BRL	BRL	BRL	BRL
Xylenes	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	MW-103D	MW-105D	MW-13	MW-17	MW-17	MW-17	MW-2
									Lab ID	13E0369-02	13E0369-04	841071031-01	841071101-04	841071101-05	841071101-06	841061130-05
									Depth	4 - 6 ft	10 - 12 ft	10 - 12 ft	0.3 - 2 ft	6 - 8 ft	6 - 8 ft	0 - 3 ft
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	5/7/2013	5/8/2013	10/31/2007	11/1/2007	11/1/2007	11/1/2007	11/30/2006
EPA Methods 6010/6020/7471																
Antimony	mg/kg	20	20	30	30	30	30	300		BRL	BRL	BRL	**1**	<0.18	<0.18	<0.59
Arsenic	mg/kg	20	20	20	20	50	50	500		<2.7	**12**	BRL	**3**	**1.3**	**0.84**	**6.6**
Barium	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**46**	**35**	BRL	**26**	**15**	**15**	**36**
Beryllium	mg/kg	90	90	200	200	200	200	2,000		BRL	BRL	BRL	**0.35**	**0.24**	**0.21**	**0.22**
Cadmium	mg/kg	70	70	100	100	100	100	1,000		**0.37**	**0.64**	BRL	**0.6**	**0.37**	**0.17**	**0.13**
Chromium	mg/kg	100	100	200	200	200	200	2,000		**15**	**5.4**	BRL	**24**	**15**	**3.8**	**35**
Copper	mg/kg	NS	NS	NS	NS	NS	NS	NS		**13**	**6.4**	BRL	**110**	**11**	**3.1**	**160**
Lead	mg/kg	200	200	600	600	600	600	6,000		**43**	**7.2**	BRL	**68**	**7.1**	**2.5**	**25**
Mercury	mg/kg	20	20	30	30	30	30	300		**0.042**	<0.033	BRL	**0.12**	**0.028**	<0.024	**0.14**
Nickel	mg/kg	600	600	1,000	1,000	1,000	1,000	10,000		**17**	**16**	BRL	**4.3**	**4.7**	**2.2**	**6.2**
Selenium	mg/kg	400	400	700	700	700	700	7,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Silver	mg/kg	100	100	200	200	200	200	2,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Thallium	mg/kg	8	8	60	60	80	80	800		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Vanadium	mg/kg	400	400	700	700	700	700	7,000		**19**	**15**	BRL	BRL	BRL	BRL	BRL
Zinc	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**76**	**67**	BRL	**73**	**28**	**11**	**27**
EPH (MADEP Method)																
2-Methylnaphthalene	mg/kg	80	300	80	500	80	500	5,000		BRL	BRL	BRL	<0.130	<0.120	<0.120	**0.21**
Acenaphthene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	**0.15**	<0.120	<0.120	<0.110
Acenaphthylene	mg/kg	600	10	600	10	600	10	10,000		BRL	BRL	BRL	**0.26**	<0.120	<0.120	**1.3**
Anthracene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	**0.64**	<0.120	<0.120	**2**
Benzo(a)anthracene	mg/kg	7	7	40	40	300	300	3,000		BRL	BRL	BRL	**1.8**	<0.120	<0.120	**4.4**
Benzo(a)pyrene	mg/kg	2	2	7	7	30	30	300		BRL	BRL	BRL	**1.6**	<0.120	<0.120	**3.9**
Benzo(b)fluoranthene	mg/kg	7	7	40	40	300	300	3,000		BRL	BRL	BRL	**1.8**	<0.120	<0.120	**5.6**
Benzo(g,h,i)perylene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(k)fluoranthene	mg/kg	70	70	400	400	3,000	3,000	10,000		BRL	BRL	BRL	**1.3**	<0.120	<0.120	**1.9**
Chrysene	mg/kg	70	70	400	400	3,000	3,000	10,000		BRL	BRL	BRL	**1.7**	<0.120	<0.120	**4.5**
Dibenz(a,h)anthracene	mg/kg	0.7	0.7	4	4	30	30	300		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Fluoranthene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	**3.9**	**0.18**	<0.120	**8.2**
Fluorene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	**0.28**	<0.120	<0.120	**0.39**
Indeno(1,2,3-c,d)pyrene	mg/kg	7	7	40	40	300	300	3,000		BRL	BRL	BRL	**1.2**	<0.120	<0.120	<0.110
Naphthalene	mg/kg	20	500	20	1,000	20	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Phenanthrene	mg/kg	500	500	1,000	1,000	3,000	3,000	10,000		BRL	BRL	BRL	**2.8**	**0.29**	<0.120	**3.5**
Pyrene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	**3.6**	**0.18**	<0.120	**6.2**
C11-C22 Aromatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	**60**	**17**	<12.000	**110**
C19-C36 Aliphatics	mg/kg	3,000	3,000	5,000	5,000	5,000	5,000	20,000		BRL	BRL	BRL	**18**	<12.000	<12.000	<11.000
C9-C18 Aliphatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	20,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
unadjusted C11-C22 Aromatics	mg/kg									BRL	BRL	BRL	BRL	BRL	BRL	BRL

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	MW-103D	MW-105D	MW-13	MW-17	MW-17	MW-17	MW-2
									Lab ID	13E0369-02	13E0369-04	841071031-01	841071101-04	841071101-05	841071101-06	841061130-05
									Depth	4 - 6 ft	10 - 12 ft	10 - 12 ft	0.3 - 2 ft	6 - 8 ft	6 - 8 ft	0 - 3 ft
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	5/7/2013	5/8/2013	10/31/2007	11/1/2007	11/1/2007	11/1/2007	11/30/2006
VPH (MADEP Method)																
Benzene	mg/kg	40	40	200	200	400	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethylbenzene	mg/kg	500	500	1,000	1,000	1,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
m,p-Xylenes	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methyl tert-Butyl Ether (MTBE)	mg/kg	100	100	100	500	100	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
o-Xylene	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Toluene	mg/kg	500	500	1,000	1,000	2,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	mg/kg	20	500	20	1,000	20	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
C5-C8 Aliphatics	mg/kg	100	100	500	500	500	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
C9-C10 Aromatics	mg/kg	100	100	500	500	500	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
C9-C12 Aliphatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	20,000		BRL	BRL	BRL	<6.400	<6.100	<6.000	<7.900
unadjusted C5-C8 Aliphatics	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
unadjusted C9-C12 Aliphatics	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL

Notes:
BRL - Compound not detected above laboratory reporting limit, or sample not analyzed for compound.
NS - No Standard
EPC - Exposure point concentration
mg/kg - milligram per kilogram
UCL - Upper Concentration Limit
< - indicates the compound was not detected at a concentrations greater than the provided laboratory reporting limit.
1/2 of the laboratory method detection limit was used for EPC calculations for samples not
detected at a concentrations greater than the provided laboratory reporting limit.
Bold - Compound detected above laboratory reporting limit.
Shaded Cell - Detected concentration exceeds one or more of the following criteria:

S-1/GW-2 - 2019 MCP Method 1 Soil Standard
S-1/GW-3 - 2019 MCP Method 1 Soil Standard
S-2/GW-2 - 2019 MCP Method 1 Soil Standard
S-2/GW-3- 2019 MCP Method 1 Soil Standard
S-3/GW-2 - 2019 MCP Method 1 Soil Standard
S-3/GW-3 - 2019 MCP Method 1 Soil Standard
UCL - Soil - MA Upper Concentration Limit for Soil

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	MW-2	MW-3	MW-3	MW-4	MW-4	MW-4	North Sidewall
									Lab ID	841061130-06	841061130-13	841061130-14	841061130-15	841061130-16	841061130-17	841070502-03
									Depth	5 - 7 ft	0 - 2 ft	5 - 7 ft	0 - 2 ft	0 - 2 ft	5 - 7 ft	0 - 3 ft
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	11/30/2006	11/30/2006	11/30/2006	11/30/2006	11/30/2006	11/30/2006	5/1/2008
8260																
1,1,1,2-Tetrachloroethane	mg/kg	0.1	80	0.1	400	0.1	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,1-Trichloroethane	mg/kg	500	500	600	1,000	600	3,000	10,000		<0.0055	<0.0052	<0.0054	**0.073**	**0.017**	<0.0046	<0.0060
1,1,2,2-Tetrachloroethane	mg/kg	0.02	10	0.02	50	0.02	400	4,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,2-Trichloroethane	mg/kg	2	40	2	200	2	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloroethane	mg/kg	9	500	9	1,000	9	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloroethene	mg/kg	40	500	40	1,000	40	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichloropropane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trichlorobenzene	mg/kg	6	700	6	3,000	6	5,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trimethylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichlorobenzene	mg/kg	100	300	100	300	100	300	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloroethane	mg/kg	0.1	20	0.1	100	0.1	300	9,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloroethene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloropropane	mg/kg	0.1	30	0.1	100	0.1	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3,5-Trimethylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichlorobenzene	mg/kg	100	100	200	500	200	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichloropropane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichloropropene	mg/kg	0.4	20	0.4	90	0.4	100	9,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dichlorobenzene	mg/kg	1	80	1	400	1	2,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dioxane	mg/kg	6	20	6	90	6	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
2,2-Dichloropropane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
2-Chlorotoluene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
2-Hexanone	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
4-Chlorotoluene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Acetone	mg/kg	50	400	50	400	50	400	10,000		<0.022	<0.021	<0.022	<0.021	<0.020	<0.018	**0.0072**
Benzene	mg/kg	40	40	200	200	400	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromobenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromochloromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromodichloromethane	mg/kg	0.1	30	0.1	100	0.1	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromoform	mg/kg	1	300	1	800	1	800	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromomethane	mg/kg	0.5	30	0.5	30	0.5	30	6,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Carbon Disulfide	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Carbon Tetrachloride	mg/kg	5	30	5	100	5	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chlorobenzene	mg/kg	3	100	3	100	3	100	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	MW-2	MW-3	MW-3	MW-4	MW-4	MW-4	North Sidewall
									Lab ID	841061130-06	841061130-13	841061130-14	841061130-15	841061130-16	841061130-17	841070502-03
									Depth	5 - 7 ft	0 - 2 ft	5 - 7 ft	0 - 2 ft	0 - 2 ft	5 - 7 ft	0 - 3 ft
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	11/30/2006	11/30/2006	11/30/2006	11/30/2006	11/30/2006	11/30/2006	5/1/2008
Chloroethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloroform	mg/kg	0.2	500	0.2	1,000	0.2	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
cis-1,2-Dichloroethene	mg/kg	0.1	100	0.1	500	0.1	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
cis-1,3-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibromochloromethane	mg/kg	0.03	20	0.03	100	0.03	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibromochloropropane (DBCP)	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibromomethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dichlorodifluoromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Diisopropyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethyl tert-butyl ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethylbenzene	mg/kg	500	500	1,000	1,000	1,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethylene Dibromide (EDB)	mg/kg	0.1	1	0.1	5	0.1	40	400		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Hexachlorobutadiene	mg/kg	30	30	100	100	100	100	1,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Isopropylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
m,p-Xylenes	mg/kg	100	500	100	1,000	100	3,000	10,000		<0.0055	<0.0052	<0.0054	<0.0052	<0.0049	<0.0046	BRL
Methyl ethyl Ketone	mg/kg	50	400	50	400	50	400	10,000		<0.011	<0.010	<0.011	<0.010	<0.0098	<0.0092	BRL
Methyl Isobutyl Ketone (MIBK)	mg/kg	50	400	50	400	50	400	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methyl tert-Butyl Ether (MTBE)	mg/kg	100	100	100	500	100	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methylene Chloride	mg/kg	4	400	4	700	4	700	7,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	mg/kg	20	500	20	1,000	20	3,000	10,000		<0.0055	**0.26**	<0.0054	<0.0052	**2.3**	<0.0046	BRL
n-Butylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
o-Xylene	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
p-Isopropyltoluene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Propylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
sec-Butylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Styrene	mg/kg	4	70	4	300	4	2,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tert-amyl methyl ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
tert-Butylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tetrachloroethene	mg/kg	10	30	10	200	10	1,000	10,000		**0.045**	**0.13**	**0.12**	**0.013**	**0.018**	**0.026**	<0.0060
Tetrahydrofuran	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Toluene	mg/kg	500	500	1,000	1,000	2,000	3,000	10,000		<0.0055	<0.0052	<0.0054	<0.0052	<0.0049	<0.0046	BRL
trans-1,2-Dichloroethene	mg/kg	1	500	1	1,000	1	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
trans-1,3-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Trichloroethene	mg/kg	0.3	30	0.3	60	0.3	60	600		**0.021**	**0.15**	**0.067**	**0.037**	**0.044**	**0.024**	<0.0060
Trichlorofluoromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Vinyl Chloride	mg/kg	0.7	1	0.7	7	0.7	60	600		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Xylenes	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	MW-2	MW-3	MW-3	MW-4	MW-4	MW-4	North Sidewall
									Lab ID	841061130-06	841061130-13	841061130-14	841061130-15	841061130-16	841061130-17	841070502-03
									Depth	5 - 7 ft	0 - 2 ft	5 - 7 ft	0 - 2 ft	0 - 2 ft	5 - 7 ft	0 - 3 ft
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	11/30/2006	11/30/2006	11/30/2006	11/30/2006	11/30/2006	11/30/2006	5/1/2008
EPA Methods 6010/6020/7471																
Antimony	mg/kg	20	20	30	30	30	30	300		<0.57	<0.55	<0.55	<0.56	<0.53	<0.55	BRL
Arsenic	mg/kg	20	20	20	20	50	50	500		**2.6**	<0.55	<0.55	<0.56	<0.53	<0.55	**0.69**
Barium	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**36**	**18**	**11**	**14**	**9.2**	**17**	**12**
Beryllium	mg/kg	90	90	200	200	200	200	2,000		**0.15**	**0.12**	**0.17**	**0.24**	**0.081**	**0.15**	<0.052
Cadmium	mg/kg	70	70	100	100	100	100	1,000		<0.11	**0.16**	<0.11	**0.15**	<0.11	<0.11	<0.10
Chromium	mg/kg	100	100	200	200	200	200	2,000		**4.1**	**2.2**	**5.5**	**6**	**1.4**	**5.7**	**0.72**
Copper	mg/kg	NS	NS	NS	NS	NS	NS	NS		**9**	**5**	**2.9**	**2**	**2.5**	**25**	**4.3**
Lead	mg/kg	200	200	600	600	600	600	6,000		**89**	**9.2**	**2.6**	**3.4**	**1.5**	**4.7**	**1.2**
Mercury	mg/kg	20	20	30	30	30	30	300		<0.023	<0.022	<0.022	<0.023	<0.021	<0.022	BRL
Nickel	mg/kg	600	600	1,000	1,000	1,000	1,000	10,000		**5**	**3.2**	**1.8**	**2**	**6.5**	**2**	**5.3**
Selenium	mg/kg	400	400	700	700	700	700	7,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Silver	mg/kg	100	100	200	200	200	200	2,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Thallium	mg/kg	8	8	60	60	80	80	800		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Vanadium	mg/kg	400	400	700	700	700	700	7,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Zinc	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**54**	**14**	**6.3**	**4**	**4.2**	**16**	**7**
EPH (MADEP Method)																
2-Methylnaphthalene	mg/kg	80	300	80	500	80	500	5,000		<0.110	**0.2**	<0.100	<0.110	<0.110	<0.100	BRL
Acenaphthene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<0.110	**0.56**	<0.100	<0.110	<0.110	<0.100	BRL
Acenaphthylene	mg/kg	600	10	600	10	600	10	10,000		**0.35**	**0.15**	**0.12**	<0.110	<0.110	<0.100	<0.100
Anthracene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<0.110	**1.8**	<0.100	<0.110	<0.110	<0.100	<0.100
Benzo(a)anthracene	mg/kg	7	7	40	40	300	300	3,000		**0.2**	**2.8**	<0.100	<0.110	<0.110	<0.100	<0.100
Benzo(a)pyrene	mg/kg	2	2	7	7	30	30	300		<0.110	**2.2**	<0.100	<0.110	<0.110	<0.100	<0.100
Benzo(b)fluoranthene	mg/kg	7	7	40	40	300	300	3,000		<0.110	**2.6**	**0.23**	<0.110	<0.110	<0.100	<0.100
Benzo(g,h,i)perylene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(k)fluoranthene	mg/kg	70	70	400	400	3,000	3,000	10,000		<0.110	**1.1**	<0.100	<0.110	<0.110	<0.100	<0.100
Chrysene	mg/kg	70	70	400	400	3,000	3,000	10,000		**0.28**	**2.8**	**0.44**	<0.110	<0.110	<0.100	BRL
Dibenz(a,h)anthracene	mg/kg	0.7	0.7	4	4	30	30	300		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Fluoranthene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**0.32**	**6.7**	<0.100	<0.110	<0.110	<0.100	<0.100
Fluorene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<0.110	**0.63**	<0.100	<0.110	<0.110	<0.100	<0.100
Indeno(1,2,3-c,d)pyrene	mg/kg	7	7	40	40	300	300	3,000		<0.110	<0.100	<0.100	<0.110	<0.110	<0.100	<0.100
Naphthalene	mg/kg	20	500	20	1,000	20	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Phenanthrene	mg/kg	500	500	1,000	1,000	3,000	3,000	10,000		**0.2**	**7.6**	<0.100	<0.110	<0.110	<0.100	<0.100
Pyrene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**0.31**	**6**	<0.100	<0.110	<0.110	<0.100	<0.100
C11-C22 Aromatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**20**	**52**	**81**	<11.000	<11.000	<10.000	<10.000
C19-C36 Aliphatics	mg/kg	3,000	3,000	5,000	5,000	5,000	5,000	20,000		<11.000	<10.000	**38**	<11.000	<11.000	<10.000	<10.000
C9-C18 Aliphatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	20,000		BRL	BRL	BRL	BRL	BRL	BRL	<10.000
unadjusted C11-C22 Aromatics	mg/kg									BRL	BRL	BRL	BRL	BRL	BRL	BRL

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	MW-2	MW-3	MW-3	MW-4	MW-4	MW-4	North Sidewall
									Lab ID	841061130-06	841061130-13	841061130-14	841061130-15	841061130-16	841061130-17	841070502-03
									Depth	5 - 7 ft	0 - 2 ft	5 - 7 ft	0 - 2 ft	0 - 2 ft	5 - 7 ft	0 - 3 ft
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	11/30/2006	11/30/2006	11/30/2006	11/30/2006	11/30/2006	11/30/2006	5/1/2008
VPH (MADEP Method)																
Benzene	mg/kg	40	40	200	200	400	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethylbenzene	mg/kg	500	500	1,000	1,000	1,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
m,p-Xylenes	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methyl tert-Butyl Ether (MTBE)	mg/kg	100	100	100	500	100	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
o-Xylene	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Toluene	mg/kg	500	500	1,000	1,000	2,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	mg/kg	20	500	20	1,000	20	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
C5-C8 Aliphatics	mg/kg	100	100	500	500	500	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
C9-C10 Aromatics	mg/kg	100	100	500	500	500	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL
C9-C12 Aliphatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	20,000		<7.000	<6.400	<6.400	<7.600	<6.000	<6.100	BRL
unadjusted C5-C8 Aliphatics	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL
unadjusted C9-C12 Aliphatics	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL

Notes:
BRL - Compound not detected above laboratory reporting limit, or sample not analyzed for compound.
NS - No Standard
EPC - Exposure point concentration
mg/kg - milligram per kilogram
UCL - Upper Concentration Limit
< - indicates the compound was not detected at a concentrations greater than the provided laboratory reporting limit.
1/2 of the laboratory method detection limit was used for EPC calculations for samples not
detected at a concentrations greater than the provided laboratory reporting limit.
Bold - Compound detected above laboratory reporting limit.
Shaded Cell - Detected concentration exceeds one or more of the following criteria:

S-1/GW-2 - 2019 MCP Method 1 Soil Standard
S-1/GW-3 - 2019 MCP Method 1 Soil Standard
S-2/GW-2 - 2019 MCP Method 1 Soil Standard
S-2/GW-3- 2019 MCP Method 1 Soil Standard
S-3/GW-2 - 2019 MCP Method 1 Soil Standard
S-3/GW-3 - 2019 MCP Method 1 Soil Standard
UCL - Soil - MA Upper Concentration Limit for Soil

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	Northeast Corner	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area
									Lab ID	1028120918-05	1028120820-01	1028120820-02	1028120820-03	1028120820-04	1028120820-08
									Depth	5 - 6 ft	2 - 3 ft	5 - 6 ft	0 - 2 ft	5 - 6 ft	3 - 4 ft
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	9/18/2012	8/20/2012	8/20/2012	8/20/2012	8/20/2012	8/20/2012
8260															
1,1,1,2-Tetrachloroethane	mg/kg	0.1	80	0.1	400	0.1	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL
1,1,1-Trichloroethane	mg/kg	500	500	600	1,000	600	3,000	10,000		BRL	<0.002	<0.0027	<0.0019	<0.0023	<0.0019
1,1,2,2-Tetrachloroethane	mg/kg	0.02	10	0.02	50	0.02	400	4,000		BRL	BRL	BRL	BRL	BRL	BRL
1,1,2-Trichloroethane	mg/kg	2	40	2	200	2	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloroethane	mg/kg	9	500	9	1,000	9	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloroethene	mg/kg	40	500	40	1,000	40	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichloropropane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trichlorobenzene	mg/kg	6	700	6	3,000	6	5,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trimethylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichlorobenzene	mg/kg	100	300	100	300	100	300	10,000		BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloroethane	mg/kg	0.1	20	0.1	100	0.1	300	9,000		BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloroethene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloropropane	mg/kg	0.1	30	0.1	100	0.1	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
1,3,5-Trimethylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichlorobenzene	mg/kg	100	100	200	500	200	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichloropropane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichloropropene	mg/kg	0.4	20	0.4	90	0.4	100	9,000		BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dichlorobenzene	mg/kg	1	80	1	400	1	2,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dioxane	mg/kg	6	20	6	90	6	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL
2,2-Dichloropropane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
2-Chlorotoluene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
2-Hexanone	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
4-Chlorotoluene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Acetone	mg/kg	50	400	50	400	50	400	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Benzene	mg/kg	40	40	200	200	400	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Bromobenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Bromochloromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Bromodichloromethane	mg/kg	0.1	30	0.1	100	0.1	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL
Bromoform	mg/kg	1	300	1	800	1	800	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Bromomethane	mg/kg	0.5	30	0.5	30	0.5	30	6,000		BRL	BRL	BRL	BRL	BRL	BRL
Carbon Disulfide	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Carbon Tetrachloride	mg/kg	5	30	5	100	5	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Chlorobenzene	mg/kg	3	100	3	100	3	100	10,000		BRL	BRL	BRL	BRL	BRL	BRL

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	Northeast Corner	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area
									Lab ID	1028120918-05	1028120820-01	1028120820-02	1028120820-03	1028120820-04	1028120820-08
									Depth	5 - 6 ft	2 - 3 ft	5 - 6 ft	0 - 2 ft	5 - 6 ft	3 - 4 ft
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	9/18/2012	8/20/2012	8/20/2012	8/20/2012	8/20/2012	8/20/2012
Chloroethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Chloroform	mg/kg	0.2	500	0.2	1,000	0.2	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Chloromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
cis-1,2-Dichloroethene	mg/kg	0.1	100	0.1	500	0.1	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL
cis-1,3-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Dibromochloromethane	mg/kg	0.03	20	0.03	100	0.03	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL
Dibromochloropropane (DBCP)	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Dibromomethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Dichlorodifluoromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Diisopropyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Ethyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Ethyl tert-butyl ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Ethylbenzene	mg/kg	500	500	1,000	1,000	1,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Ethylene Dibromide (EDB)	mg/kg	0.1	1	0.1	5	0.1	40	400		BRL	BRL	BRL	BRL	BRL	BRL
Hexachlorobutadiene	mg/kg	30	30	100	100	100	100	1,000		BRL	BRL	BRL	BRL	BRL	BRL
Isopropylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
m,p-Xylenes	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Methyl ethyl Ketone	mg/kg	50	400	50	400	50	400	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Methyl Isobutyl Ketone (MIBK)	mg/kg	50	400	50	400	50	400	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Methyl tert-Butyl Ether (MTBE)	mg/kg	100	100	100	500	100	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL
Methylene Chloride	mg/kg	4	400	4	700	4	700	7,000		BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	mg/kg	20	500	20	1,000	20	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
n-Butylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
o-Xylene	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
p-Isopropyltoluene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Propylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
sec-Butylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Styrene	mg/kg	4	70	4	300	4	2,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Tert-amyl methyl ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
tert-Butylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Tetrachloroethene	mg/kg	10	30	10	200	10	1,000	10,000		BRL	**0.031**	**0.14**	<0.0019	**0.18**	**2**
Tetrahydrofuran	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Toluene	mg/kg	500	500	1,000	1,000	2,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
trans-1,2-Dichloroethene	mg/kg	1	500	1	1,000	1	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
trans-1,3-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Trichloroethene	mg/kg	0.3	30	0.3	60	0.3	60	600		BRL	**0.038**	**0.012**	<0.0019	**0.017**	**0.9**
Trichlorofluoromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Vinyl Chloride	mg/kg	0.7	1	0.7	7	0.7	60	600		BRL	BRL	BRL	BRL	BRL	BRL
Xylenes	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	Northeast Corner	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area
									Lab ID	1028120918-05	1028120820-01	1028120820-02	1028120820-03	1028120820-04	1028120820-08
									Depth	5 - 6 ft	2 - 3 ft	5 - 6 ft	0 - 2 ft	5 - 6 ft	3 - 4 ft
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	9/18/2012	8/20/2012	8/20/2012	8/20/2012	8/20/2012	8/20/2012
EPA Methods 6010/6020/7471															
Antimony	mg/kg	20	20	30	30	30	30	300		<2.6	BRL	BRL	BRL	BRL	BRL
Arsenic	mg/kg	20	20	20	20	50	50	500		BRL	BRL	BRL	BRL	BRL	BRL
Barium	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**31**	BRL	BRL	BRL	BRL	BRL
Beryllium	mg/kg	90	90	200	200	200	200	2,000		<0.26	BRL	BRL	BRL	BRL	BRL
Cadmium	mg/kg	70	70	100	100	100	100	1,000		<0.26	BRL	BRL	BRL	BRL	BRL
Chromium	mg/kg	100	100	200	200	200	200	2,000		**7.3**	BRL	BRL	BRL	BRL	BRL
Copper	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Lead	mg/kg	200	200	600	600	600	600	6,000		**42**	BRL	BRL	BRL	BRL	BRL
Mercury	mg/kg	20	20	30	30	30	30	300		<0.026	BRL	BRL	BRL	BRL	BRL
Nickel	mg/kg	600	600	1,000	1,000	1,000	1,000	10,000		**5.7**	BRL	BRL	BRL	BRL	BRL
Selenium	mg/kg	400	400	700	700	700	700	7,000		BRL	BRL	BRL	BRL	BRL	BRL
Silver	mg/kg	100	100	200	200	200	200	2,000		BRL	BRL	BRL	BRL	BRL	BRL
Thallium	mg/kg	8	8	60	60	80	80	800		BRL	BRL	BRL	BRL	BRL	BRL
Vanadium	mg/kg	400	400	700	700	700	700	7,000		**18**	BRL	BRL	BRL	BRL	BRL
Zinc	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**33**	BRL	BRL	BRL	BRL	BRL
EPH (MADEP Method)															
2-Methylnaphthalene	mg/kg	80	300	80	500	80	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL
Acenaphthene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Acenaphthylene	mg/kg	600	10	600	10	600	10	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Anthracene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Benzo(a)anthracene	mg/kg	7	7	40	40	300	300	3,000		BRL	BRL	BRL	BRL	BRL	BRL
Benzo(a)pyrene	mg/kg	2	2	7	7	30	30	300		BRL	BRL	BRL	BRL	BRL	BRL
Benzo(b)fluoranthene	mg/kg	7	7	40	40	300	300	3,000		BRL	BRL	BRL	BRL	BRL	BRL
Benzo(g,h,i)perylene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Benzo(k)fluoranthene	mg/kg	70	70	400	400	3,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Chrysene	mg/kg	70	70	400	400	3,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Dibenz(a,h)anthracene	mg/kg	0.7	0.7	4	4	30	30	300		BRL	BRL	BRL	BRL	BRL	BRL
Fluoranthene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Fluorene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Indeno(1,2,3-c,d)pyrene	mg/kg	7	7	40	40	300	300	3,000		BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	mg/kg	20	500	20	1,000	20	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Phenanthrene	mg/kg	500	500	1,000	1,000	3,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Pyrene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
C11-C22 Aromatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
C19-C36 Aliphatics	mg/kg	3,000	3,000	5,000	5,000	5,000	5,000	20,000		BRL	BRL	BRL	BRL	BRL	BRL
C9-C18 Aliphatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	20,000		BRL	BRL	BRL	BRL	BRL	BRL
unadjusted C11-C22 Aromatics	mg/kg									BRL	BRL	BRL	BRL	BRL	BRL

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	Northeast Corner	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area
									Lab ID	1028120918-05	1028120820-01	1028120820-02	1028120820-03	1028120820-04	1028120820-08
									Depth	5 - 6 ft	2 - 3 ft	5 - 6 ft	0 - 2 ft	5 - 6 ft	3 - 4 ft
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	9/18/2012	8/20/2012	8/20/2012	8/20/2012	8/20/2012	8/20/2012
VPH (MADEP Method)															
Benzene	mg/kg	40	40	200	200	400	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Ethylbenzene	mg/kg	500	500	1,000	1,000	1,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
m,p-Xylenes	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Methyl tert-Butyl Ether (MTBE)	mg/kg	100	100	100	500	100	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL
o-Xylene	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Toluene	mg/kg	500	500	1,000	1,000	2,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	mg/kg	20	500	20	1,000	20	3,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL
C5-C8 Aliphatics	mg/kg	100	100	500	500	500	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL
C9-C10 Aromatics	mg/kg	100	100	500	500	500	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL
C9-C12 Aliphatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	20,000		BRL	BRL	BRL	BRL	BRL	BRL
unadjusted C5-C8 Aliphatics	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
unadjusted C9-C12 Aliphatics	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL

Notes:
BRL - Compound not detected above laboratory reporting limit, or sample not analyzed for compound.
NS - No Standard
EPC - Exposure point concentration
mg/kg - milligram per kilogram
UCL - Upper Concentration Limit
< - indicates the compound was not detected at a concentrations greater than the provided laboratory reporting limit.
1/2 of the laboratory method detection limit was used for EPC calculations for samples not
detected at a concentrations greater than the provided laboratory reporting limit.
Bold - Compound detected above laboratory reporting limit.
Shaded Cell - Detected concentration exceeds one or more of the following criteria:

S-1/GW-2 - 2019 MCP Method 1 Soil Standard
S-1/GW-3 - 2019 MCP Method 1 Soil Standard
S-2/GW-2 - 2019 MCP Method 1 Soil Standard
S-2/GW-3- 2019 MCP Method 1 Soil Standard
S-3/GW-2 - 2019 MCP Method 1 Soil Standard
S-3/GW-3 - 2019 MCP Method 1 Soil Standard
UCL - Soil - MA Upper Concentration Limit for Soil

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area	SB-201 (6-8')
									Lab ID	1028120918-01	1028120918-02	1028120918-03	1028120918-04	1028130108-01	L2355554-01
									Depth	3 - 4 ft	0 - 2 ft	0 - 2 ft	3 - 4 ft	0 - 3 ft	6 - 8 ft
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	9/18/2012	9/18/2012	9/18/2012	9/18/2012	1/8/2013	9/18/2023
8260															
1,1,1,2-Tetrachloroethane	mg/kg	0.1	80	0.1	400	0.1	500	5,000		BRL	BRL	BRL	BRL	BRL	<0.00034
1,1,1-Trichloroethane	mg/kg	500	500	600	1,000	600	3,000	10,000		<0.0022	<0.0022	<0.0021	<0.0018	<0.0028	<0.00034
1,1,2,2-Tetrachloroethane	mg/kg	0.02	10	0.02	50	0.02	400	4,000		BRL	BRL	BRL	BRL	BRL	<0.00034
1,1,2-Trichloroethane	mg/kg	2	40	2	200	2	500	5,000		BRL	BRL	BRL	BRL	BRL	<0.00068
1,1-Dichloroethane	mg/kg	9	500	9	1,000	9	1,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.00068
1,1-Dichloroethene	mg/kg	40	500	40	1,000	40	3,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.00068
1,1-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.00034
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.0014
1,2,3-Trichloropropane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.0014
1,2,4-Trichlorobenzene	mg/kg	6	700	6	3,000	6	5,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.0014
1,2,4-Trimethylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.0014
1,2-Dichlorobenzene	mg/kg	100	300	100	300	100	300	10,000		BRL	BRL	BRL	BRL	BRL	<0.0014
1,2-Dichloroethane	mg/kg	0.1	20	0.1	100	0.1	300	9,000		BRL	BRL	BRL	BRL	BRL	<0.00068
1,2-Dichloroethene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.00068
1,2-Dichloropropane	mg/kg	0.1	30	0.1	100	0.1	1,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.00068
1,3,5-Trimethylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.0014
1,3-Dichlorobenzene	mg/kg	100	100	200	500	200	500	5,000		BRL	BRL	BRL	BRL	BRL	<0.0014
1,3-Dichloropropane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.0014
1,3-Dichloropropene	mg/kg	0.4	20	0.4	90	0.4	100	9,000		BRL	BRL	BRL	BRL	BRL	<0.00034
1,4-Dichlorobenzene	mg/kg	1	80	1	400	1	2,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.0014
1,4-Dioxane	mg/kg	6	20	6	90	6	500	5,000		BRL	BRL	BRL	BRL	BRL	<0.054
2,2-Dichloropropane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.0014
2-Chlorotoluene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.0014
2-Hexanone	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.0068
4-Chlorotoluene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.0014
Acetone	mg/kg	50	400	50	400	50	400	10,000		BRL	BRL	BRL	BRL	BRL	<0.017
Benzene	mg/kg	40	40	200	200	400	1,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.00034
Bromobenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.0014
Bromochloromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.0014
Bromodichloromethane	mg/kg	0.1	30	0.1	100	0.1	500	5,000		BRL	BRL	BRL	BRL	BRL	<0.00034
Bromoform	mg/kg	1	300	1	800	1	800	10,000		BRL	BRL	BRL	BRL	BRL	<0.0027
Bromomethane	mg/kg	0.5	30	0.5	30	0.5	30	6,000		BRL	BRL	BRL	BRL	BRL	<0.0014
Carbon Disulfide	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.0068
Carbon Tetrachloride	mg/kg	5	30	5	100	5	1,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.00068
Chlorobenzene	mg/kg	3	100	3	100	3	100	10,000		BRL	BRL	BRL	BRL	BRL	<0.00034

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area	SB-201 (6-8')
									Lab ID	1028120918-01	1028120918-02	1028120918-03	1028120918-04	1028130108-01	L2355554-01
									Depth	3 - 4 ft	0 - 2 ft	0 - 2 ft	3 - 4 ft	0 - 3 ft	6 - 8 ft
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	9/18/2012	9/18/2012	9/18/2012	9/18/2012	1/8/2013	9/18/2023
Chloroethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.0014
Chloroform	mg/kg	0.2	500	0.2	1,000	0.2	1,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.0010
Chloromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.0027
cis-1,2-Dichloroethene	mg/kg	0.1	100	0.1	500	0.1	500	5,000		BRL	BRL	BRL	BRL	BRL	<0.00068
cis-1,3-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.00034
Dibromochloromethane	mg/kg	0.03	20	0.03	100	0.03	500	5,000		BRL	BRL	BRL	BRL	BRL	<0.00068
Dibromochloropropane (DBCP)	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.0020
Dibromomethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.0014
Dichlorodifluoromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.0068
Diisopropyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.0014
Ethyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.0014
Ethyl tert-butyl ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.0014
Ethylbenzene	mg/kg	500	500	1,000	1,000	1,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.00068
Ethylene Dibromide (EDB)	mg/kg	0.1	1	0.1	5	0.1	40	400		BRL	BRL	BRL	BRL	BRL	<0.00068
Hexachlorobutadiene	mg/kg	30	30	100	100	100	100	1,000		BRL	BRL	BRL	BRL	BRL	<0.0027
Isopropylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.00068
m,p-Xylenes	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.0014
Methyl ethyl Ketone	mg/kg	50	400	50	400	50	400	10,000		BRL	BRL	BRL	BRL	BRL	<0.0068
Methyl Isobutyl Ketone (MIBK)	mg/kg	50	400	50	400	50	400	10,000		BRL	BRL	BRL	BRL	BRL	<0.0068
Methyl tert-Butyl Ether (MTBE)	mg/kg	100	100	100	500	100	500	5,000		BRL	BRL	BRL	BRL	BRL	<0.0014
Methylene Chloride	mg/kg	4	400	4	700	4	700	7,000		BRL	BRL	BRL	BRL	BRL	<0.0034
Naphthalene	mg/kg	20	500	20	1,000	20	3,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.0027
n-Butylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.00068
o-Xylene	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.00068
p-Isopropyltoluene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.00068
Propylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.00068
sec-Butylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.00068
Styrene	mg/kg	4	70	4	300	4	2,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.00068
Tert-amyl methyl ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.0014
tert-Butylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.0014
Tetrachloroethene	mg/kg	10	30	10	200	10	1,000	10,000		**0.029**	**23**	**0.12**	**0.0068**	**0.11**	<0.00034
Tetrahydrofuran	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.0027
Toluene	mg/kg	500	500	1,000	1,000	2,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.00068
trans-1,2-Dichloroethene	mg/kg	1	500	1	1,000	1	3,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.0010
trans-1,3-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.00068
Trichloroethene	mg/kg	0.3	30	0.3	60	0.3	60	600		**0.033**	**17**	**0.11**	**0.0023**	**0.046**	<0.00034
Trichlorofluoromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<0.0027
Vinyl Chloride	mg/kg	0.7	1	0.7	7	0.7	60	600		BRL	BRL	BRL	BRL	BRL	<0.00068
Xylenes	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.00068

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area	SB-201 (6-8')
									Lab ID	1028120918-01	1028120918-02	1028120918-03	1028120918-04	1028130108-01	L2355554-01
									Depth	3 - 4 ft	0 - 2 ft	0 - 2 ft	3 - 4 ft	0 - 3 ft	6 - 8 ft
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	9/18/2012	9/18/2012	9/18/2012	9/18/2012	1/8/2013	9/18/2023
EPA Methods 6010/6020/7471															
Antimony	mg/kg	20	20	30	30	30	30	300		BRL	BRL	BRL	BRL	BRL	<2.46
Arsenic	mg/kg	20	20	20	20	50	50	500		BRL	BRL	BRL	BRL	BRL	**1.47**
Barium	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	BRL	BRL	**41.4**
Beryllium	mg/kg	90	90	200	200	200	200	2,000		BRL	BRL	BRL	BRL	BRL	**0.681**
Cadmium	mg/kg	70	70	100	100	100	100	1,000		BRL	BRL	BRL	BRL	BRL	<0.491
Chromium	mg/kg	100	100	200	200	200	200	2,000		BRL	BRL	BRL	BRL	BRL	**12.5**
Copper	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Lead	mg/kg	200	200	600	600	600	600	6,000		BRL	BRL	BRL	BRL	BRL	**8.93**
Mercury	mg/kg	20	20	30	30	30	30	300		BRL	BRL	BRL	BRL	BRL	BRL
Nickel	mg/kg	600	600	1,000	1,000	1,000	1,000	10,000		BRL	BRL	BRL	BRL	BRL	**39.1**
Selenium	mg/kg	400	400	700	700	700	700	7,000		BRL	BRL	BRL	BRL	BRL	<2.46
Silver	mg/kg	100	100	200	200	200	200	2,000		BRL	BRL	BRL	BRL	BRL	<0.491
Thallium	mg/kg	8	8	60	60	80	80	800		BRL	BRL	BRL	BRL	BRL	<2.46
Vanadium	mg/kg	400	400	700	700	700	700	7,000		BRL	BRL	BRL	BRL	BRL	**15.8**
Zinc	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	BRL	BRL	**38.2**
EPH (MADEP Method)															
2-Methylnaphthalene	mg/kg	80	300	80	500	80	500	5,000		BRL	BRL	BRL	BRL	BRL	<0.422
Acenaphthene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.422
Acenaphthylene	mg/kg	600	10	600	10	600	10	10,000		BRL	BRL	BRL	BRL	BRL	<0.422
Anthracene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.422
Benzo(a)anthracene	mg/kg	7	7	40	40	300	300	3,000		BRL	BRL	BRL	BRL	BRL	<0.422
Benzo(a)pyrene	mg/kg	2	2	7	7	30	30	300		BRL	BRL	BRL	BRL	BRL	<0.422
Benzo(b)fluoranthene	mg/kg	7	7	40	40	300	300	3,000		BRL	BRL	BRL	BRL	BRL	<0.422
Benzo(g,h,i)perylene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.422
Benzo(k)fluoranthene	mg/kg	70	70	400	400	3,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.422
Chrysene	mg/kg	70	70	400	400	3,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.422
Dibenz(a,h)anthracene	mg/kg	0.7	0.7	4	4	30	30	300		BRL	BRL	BRL	BRL	BRL	<0.422
Fluoranthene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.422
Fluorene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.422
Indeno(1,2,3-c,d)pyrene	mg/kg	7	7	40	40	300	300	3,000		BRL	BRL	BRL	BRL	BRL	<0.422
Naphthalene	mg/kg	20	500	20	1,000	20	3,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.422
Phenanthrene	mg/kg	500	500	1,000	1,000	3,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.422
Pyrene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.422
C11-C22 Aromatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		BRL	BRL	BRL	BRL	BRL	<8.43
C19-C36 Aliphatics	mg/kg	3,000	3,000	5,000	5,000	5,000	5,000	20,000		BRL	BRL	BRL	BRL	BRL	<8.43
C9-C18 Aliphatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	20,000		BRL	BRL	BRL	BRL	BRL	<8.43
unadjusted C11-C22 Aromatics	mg/kg									BRL	BRL	BRL	BRL	BRL	<8.43

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area	NW Corner Excavation Area	SB-201 (6-8')
									Lab ID	1028120918-01	1028120918-02	1028120918-03	1028120918-04	1028130108-01	L2355554-01
									Depth	3 - 4 ft	0 - 2 ft	0 - 2 ft	3 - 4 ft	0 - 3 ft	6 - 8 ft
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	9/18/2012	9/18/2012	9/18/2012	9/18/2012	1/8/2013	9/18/2023
VPH (MADEP Method)															
Benzene	mg/kg	40	40	200	200	400	1,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.102
Ethylbenzene	mg/kg	500	500	1,000	1,000	1,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.102
m,p-Xylenes	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.102
Methyl tert-Butyl Ether (MTBE)	mg/kg	100	100	100	500	100	500	5,000		BRL	BRL	BRL	BRL	BRL	<0.051
o-Xylene	mg/kg	100	500	100	1,000	100	3,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.102
Toluene	mg/kg	500	500	1,000	1,000	2,000	3,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.102
Naphthalene	mg/kg	20	500	20	1,000	20	3,000	10,000		BRL	BRL	BRL	BRL	BRL	<0.203
C5-C8 Aliphatics	mg/kg	100	100	500	500	500	500	5,000		BRL	BRL	BRL	BRL	BRL	<5.08
C9-C10 Aromatics	mg/kg	100	100	500	500	500	500	5,000		BRL	BRL	BRL	BRL	BRL	<5.08
C9-C12 Aliphatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	20,000		BRL	BRL	BRL	BRL	BRL	<5.08
unadjusted C5-C8 Aliphatics	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<5.08
unadjusted C9-C12 Aliphatics	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	<5.08

Notes:
BRL - Compound not detected above laboratory reporting limit, or sample not analyzed for compound.
NS - No Standard
EPC - Exposure point concentration
mg/kg - milligram per kilogram
UCL - Upper Concentration Limit
< - indicates the compound was not detected at a concentrations greater than the provided laboratory reporting limit.
1/2 of the laboratory method detection limit was used for EPC calculations for samples not
detected at a concentrations greater than the provided laboratory reporting limit.
Bold - Compound detected above laboratory reporting limit.
Shaded Cell - Detected concentration exceeds one or more of the following criteria:

S-1/GW-2 - 2019 MCP Method 1 Soil Standard
S-1/GW-3 - 2019 MCP Method 1 Soil Standard
S-2/GW-2 - 2019 MCP Method 1 Soil Standard
S-2/GW-3- 2019 MCP Method 1 Soil Standard
S-3/GW-2 - 2019 MCP Method 1 Soil Standard
S-3/GW-3 - 2019 MCP Method 1 Soil Standard
UCL - Soil - MA Upper Concentration Limit for Soil

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	SB-202 (10-12')	SB-203 (4-6')	SB-204 (4-6')	South Sidewall	West Bottom	West Sidewall	EPC
									Lab ID	L2355554-02	L2355554-03	L2355554-04	841070502-06	841070502-05	841070502-02	
									Depth	10 - 12 ft	4 - 6 ft	4 - 6 ft	0 - 4 ft	0 - 9 ft	0 - 4 ft	
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	9/19/2023	9/19/2023	9/20/2023	5/1/2008	5/1/2008	5/1/2008	
8260																
1,1,1,2-Tetrachloroethane	mg/kg	0.1	80	0.1	400	0.1	500	5,000		<0.00038	<0.00027	<0.00030	BRL	BRL	BRL	0.0002
1,1,1-Trichloroethane	mg/kg	500	500	600	1,000	600	3,000	10,000		<0.00038	<0.00027	<0.00030	<0.0048	<0.0052	<0.0048	**0.0071**
1,1,2,2-Tetrachloroethane	mg/kg	0.02	10	0.02	50	0.02	400	4,000		<0.00038	<0.00027	<0.00030	BRL	BRL	BRL	0.0002
1,1,2-Trichloroethane	mg/kg	2	40	2	200	2	500	5,000		<0.00075	<0.00055	<0.00061	BRL	BRL	BRL	0.0003
1,1-Dichloroethane	mg/kg	9	500	9	1,000	9	1,000	10,000		<0.00075	<0.00055	<0.00061	BRL	BRL	BRL	0.0003
1,1-Dichloroethene	mg/kg	40	500	40	1,000	40	3,000	10,000		<0.00075	<0.00055	<0.00061	BRL	BRL	BRL	0.0003
1,1-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.00038	<0.00027	<0.00030	BRL	BRL	BRL	0.0002
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0015	<0.0011	<0.0012	BRL	BRL	BRL	0.0007
1,2,3-Trichloropropane	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0015	<0.0011	<0.0012	BRL	BRL	BRL	0.0007
1,2,4-Trichlorobenzene	mg/kg	6	700	6	3,000	6	5,000	10,000		<0.0015	<0.0011	<0.0012	BRL	BRL	BRL	0.0007
1,2,4-Trimethylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0015	<0.0011	<0.0012	BRL	BRL	BRL	0.0007
1,2-Dichlorobenzene	mg/kg	100	300	100	300	100	300	10,000		<0.0015	<0.0011	<0.0012	BRL	BRL	BRL	0.0007
1,2-Dichloroethane	mg/kg	0.1	20	0.1	100	0.1	300	9,000		<0.00075	<0.00055	<0.00061	BRL	BRL	BRL	0.0003
1,2-Dichloroethene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.00075	<0.00055	<0.00061	BRL	BRL	BRL	0.0003
1,2-Dichloropropane	mg/kg	0.1	30	0.1	100	0.1	1,000	10,000		<0.00075	<0.00055	<0.00061	BRL	BRL	BRL	0.0003
1,3,5-Trimethylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0015	<0.0011	<0.0012	BRL	BRL	BRL	0.0007
1,3-Dichlorobenzene	mg/kg	100	100	200	500	200	500	5,000		<0.0015	<0.0011	<0.0012	BRL	BRL	BRL	0.0007
1,3-Dichloropropane	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0015	<0.0011	<0.0012	BRL	BRL	BRL	0.0007
1,3-Dichloropropene	mg/kg	0.4	20	0.4	90	0.4	100	9,000		<0.00038	<0.00027	<0.00030	BRL	BRL	BRL	0.0002
1,4-Dichlorobenzene	mg/kg	1	80	1	400	1	2,000	10,000		<0.0015	<0.0011	<0.0012	BRL	BRL	BRL	0.0007
1,4-Dioxane	mg/kg	6	20	6	90	6	500	5,000		<0.060	<0.044	<0.048	BRL	BRL	BRL	0.0258
2,2-Dichloropropane	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0015	<0.0011	<0.0012	BRL	BRL	BRL	0.0007
2-Chlorotoluene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0015	<0.0011	<0.0012	BRL	BRL	BRL	0.0007
2-Hexanone	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0075	<0.0055	<0.0061	BRL	BRL	BRL	0.0032
4-Chlorotoluene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0015	<0.0011	<0.0012	BRL	BRL	BRL	0.0007
Acetone	mg/kg	50	400	50	400	50	400	10,000		<0.019	<0.014	<0.015	**0.0079**	**0.0093**	**0.006**	**0.028**
Benzene	mg/kg	40	40	200	200	400	1,000	10,000		<0.00038	<0.00027	<0.00030	BRL	BRL	BRL	0.0002
Bromobenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0015	<0.0011	<0.0012	BRL	BRL	BRL	0.0007
Bromochloromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0015	<0.0011	<0.0012	BRL	BRL	BRL	0.0007
Bromodichloromethane	mg/kg	0.1	30	0.1	100	0.1	500	5,000		<0.00038	<0.00027	<0.00030	BRL	BRL	BRL	0.0002
Bromoform	mg/kg	1	300	1	800	1	800	10,000		<0.0030	<0.0022	<0.0024	BRL	BRL	BRL	0.0013
Bromomethane	mg/kg	0.5	30	0.5	30	0.5	30	6,000		<0.0015	<0.0011	<0.0012	BRL	BRL	BRL	0.0007
Carbon Disulfide	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0075	<0.0055	<0.0061	BRL	BRL	BRL	0.0032
Carbon Tetrachloride	mg/kg	5	30	5	100	5	1,000	10,000		<0.00075	<0.00055	<0.00061	BRL	BRL	BRL	0.0003
Chlorobenzene	mg/kg	3	100	3	100	3	100	10,000		<0.00038	<0.00027	<0.00030	BRL	BRL	BRL	0.0002

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	SB-202 (10-12')	SB-203 (4-6')	SB-204 (4-6')	South Sidewall	West Bottom	West Sidewall	EPC
									Lab ID	L2355554-02	L2355554-03	L2355554-04	841070502-06	841070502-05	841070502-02	
									Depth	10 - 12 ft	4 - 6 ft	4 - 6 ft	0 - 4 ft	0 - 9 ft	0 - 4 ft	
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	9/19/2023	9/19/2023	9/20/2023	5/1/2008	5/1/2008	5/1/2008	
Chloroethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0015	<0.0011	<0.0012	BRL	BRL	BRL	0.0007
Chloroform	mg/kg	0.2	500	0.2	1,000	0.2	1,000	10,000		<0.0011	<0.00082	<0.00091	BRL	BRL	BRL	0.0005
Chloromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0030	<0.0022	<0.0024	BRL	BRL	BRL	0.0013
cis-1,2-Dichloroethene	mg/kg	0.1	100	0.1	500	0.1	500	5,000		<0.00075	<0.00055	<0.00061	BRL	BRL	BRL	**12**
cis-1,3-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.00038	<0.00027	<0.00030	BRL	BRL	BRL	0.0002
Dibromochloromethane	mg/kg	0.03	20	0.03	100	0.03	500	5,000		<0.00075	<0.00055	<0.00061	BRL	BRL	BRL	0.0003
Dibromochloropropane (DBCP)	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0022	<0.0016	<0.0018	BRL	BRL	BRL	0.001
Dibromomethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0015	<0.0011	<0.0012	BRL	BRL	BRL	0.0007
Dichlorodifluoromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0075	<0.0055	<0.0061	BRL	BRL	BRL	0.0032
Diisopropyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0015	<0.0011	<0.0012	BRL	BRL	BRL	0.0007
Ethyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0015	<0.0011	<0.0012	BRL	BRL	BRL	0.0007
Ethyl tert-butyl ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0015	<0.0011	<0.0012	BRL	BRL	BRL	0.0007
Ethylbenzene	mg/kg	500	500	1,000	1,000	1,000	3,000	10,000		<0.00075	<0.00055	<0.00061	BRL	BRL	BRL	0.0003
Ethylene Dibromide (EDB)	mg/kg	0.1	1	0.1	5	0.1	40	400		<0.00075	<0.00055	<0.00061	BRL	BRL	BRL	0.0003
Hexachlorobutadiene	mg/kg	30	30	100	100	100	100	1,000		<0.0030	<0.0022	<0.0024	BRL	BRL	BRL	0.0013
Isopropylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.00075	<0.00055	<0.00061	BRL	BRL	BRL	0.0003
m,p-Xylenes	mg/kg	100	500	100	1,000	100	3,000	10,000		<0.0015	<0.0011	<0.0012	BRL	BRL	BRL	**0.0076**
Methyl ethyl Ketone	mg/kg	50	400	50	400	50	400	10,000		<0.0075	<0.0055	<0.0061	BRL	BRL	BRL	**0.0152**
Methyl Isobutyl Ketone (MIBK)	mg/kg	50	400	50	400	50	400	10,000		<0.0075	<0.0055	<0.0061	BRL	BRL	BRL	0.0032
Methyl tert-Butyl Ether (MTBE)	mg/kg	100	100	100	500	100	500	5,000		<0.0015	<0.0011	<0.0012	BRL	BRL	BRL	0.0007
Methylene Chloride	mg/kg	4	400	4	700	4	700	7,000		<0.0038	<0.0027	<0.0030	BRL	BRL	BRL	0.0016
Naphthalene	mg/kg	20	500	20	1,000	20	3,000	10,000		<0.0030	<0.0022	<0.0024	BRL	BRL	BRL	**0.108**
n-Butylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.00075	<0.00055	<0.00061	BRL	BRL	BRL	0.0003
o-Xylene	mg/kg	100	500	100	1,000	100	3,000	10,000		<0.00075	<0.00055	<0.00061	BRL	BRL	BRL	0.0003
p-Isopropyltoluene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.00075	<0.00055	<0.00061	BRL	BRL	BRL	0.0003
Propylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.00075	<0.00055	<0.00061	BRL	BRL	BRL	0.0003
sec-Butylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.00075	<0.00055	<0.00061	BRL	BRL	BRL	0.0003
Styrene	mg/kg	4	70	4	300	4	2,000	10,000		<0.00075	<0.00055	<0.00061	BRL	BRL	BRL	0.0003
Tert-amyl methyl ether	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0015	<0.0011	<0.0012	BRL	BRL	BRL	0.0007
tert-Butylbenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0015	<0.0011	<0.0012	BRL	BRL	BRL	0.0007
Tetrachloroethene	mg/kg	10	30	10	200	10	1,000	10,000		**0.00095**	**0.0057**	**0.019**	<0.0048	<0.0052	**0.0065**	**0.6041**
Tetrahydrofuran	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0030	<0.0022	<0.0024	BRL	BRL	BRL	0.0013
Toluene	mg/kg	500	500	1,000	1,000	2,000	3,000	10,000		<0.00075	<0.00055	<0.00061	BRL	BRL	BRL	0.0084
trans-1,2-Dichloroethene	mg/kg	1	500	1	1,000	1	3,000	10,000		<0.0011	<0.00082	<0.00091	BRL	BRL	BRL	**0.0018**
trans-1,3-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.00075	<0.00055	<0.00061	BRL	BRL	BRL	0.0003
Trichloroethene	mg/kg	0.3	30	0.3	60	0.3	60	600		**0.0051**	**0.0055**	**0.044**	<0.0048	<0.0052	<0.0048	**17**
Trichlorofluoromethane	mg/kg	NS	NS	NS	NS	NS	NS	NS		<0.0030	<0.0022	<0.0024	BRL	BRL	BRL	0.0013
Vinyl Chloride	mg/kg	0.7	1	0.7	7	0.7	60	600		<0.00075	<0.00055	<0.00061	BRL	BRL	BRL	**0.0088**
Xylenes	mg/kg	100	500	100	1,000	100	3,000	10,000		<0.00075	<0.00055	<0.00061	BRL	BRL	BRL	0.0003

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	SB-202 (10-12')	SB-203 (4-6')	SB-204 (4-6')	South Sidewall	West Bottom	West Sidewall	EPC
									Lab ID	L2355554-02	L2355554-03	L2355554-04	841070502-06	841070502-05	841070502-02	
									Depth	10 - 12 ft	4 - 6 ft	4 - 6 ft	0 - 4 ft	0 - 9 ft	0 - 4 ft	
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	9/19/2023	9/19/2023	9/20/2023	5/1/2008	5/1/2008	5/1/2008	
EPA Methods 6010/6020/7471																
Antimony	mg/kg	20	20	30	30	30	30	300		<2.16	<2.17	<2.05	BRL	BRL	BRL	**0.456**
Arsenic	mg/kg	20	20	20	20	50	50	500		**2.62**	**6.48**	**1.48**	**1.3**	**0.65**	**0.69**	**1.76**
Barium	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**9.72**	**55.1**	**13.7**	**30**	**10**	**13**	**24.97**
Beryllium	mg/kg	90	90	200	200	200	200	2,000		**1.51**	**0.717**	**1.28**	<0.052	**0.067**	**0.057**	**0.33**
Cadmium	mg/kg	70	70	100	100	100	100	1,000		<0.433	<0.434	<0.410	**0.26**	**0.13**	**0.29**	**0.21**
Chromium	mg/kg	100	100	200	200	200	200	2,000		**6.02**	**34.7**	**3.46**	**1.2**	**1**	**1.7**	**8.46**
Copper	mg/kg	NS	NS	NS	NS	NS	NS	NS		BRL	BRL	BRL	**18**	**11**	**13**	**25.05**
Lead	mg/kg	200	200	600	600	600	600	6,000		**14.3**	**38.6**	**8.07**	**30**	**3.7**	**3.6**	**21.44**
Mercury	mg/kg	20	20	30	30	30	30	300		BRL	BRL	BRL	BRL	BRL	BRL	**0.03**
Nickel	mg/kg	600	600	1,000	1,000	1,000	1,000	10,000		<1.08	**70.4**	**1.88**	**30**	**8**	**3.3**	**24.36**
Selenium	mg/kg	400	400	700	700	700	700	7,000		<2.16	<2.17	<2.05	BRL	BRL	BRL	1.11
Silver	mg/kg	100	100	200	200	200	200	2,000		<0.433	<0.434	<0.410	BRL	BRL	BRL	0.22
Thallium	mg/kg	8	8	60	60	80	80	800		<2.16	<2.17	<2.05	BRL	BRL	BRL	1.11
Vanadium	mg/kg	400	400	700	700	700	700	7,000		**5.21**	**22.3**	**4.2**	BRL	BRL	BRL	**13.65**
Zinc	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		**28**	**54.4**	**19.1**	**26**	**13**	**13**	**36.23**
EPH (MADEP Method)																
2-Methylnaphthalene	mg/kg	80	300	80	500	80	500	5,000		<0.356	<0.353	<0.331	BRL	BRL	BRL	**0.087**
Acenaphthene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<0.356	<0.353	<0.331	BRL	BRL	BRL	**0.133**
Acenaphthylene	mg/kg	600	10	600	10	600	10	10,000		<0.356	<0.353	<0.331	<0.100	<0.100	<0.100	**0.175**
Anthracene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<0.356	<0.353	<0.331	<0.100	<0.100	<0.100	**0.276**
Benzo(a)anthracene	mg/kg	7	7	40	40	300	300	3,000		<0.356	**0.703**	<0.331	<0.100	<0.100	<0.100	**0.569**
Benzo(a)pyrene	mg/kg	2	2	7	7	30	30	300		<0.356	**0.649**	<0.331	<0.100	<0.100	<0.100	**0.499**
Benzo(b)fluoranthene	mg/kg	7	7	40	40	300	300	3,000		<0.356	**0.738**	<0.331	<0.100	<0.100	<0.100	**0.597**
Benzo(g,h,i)perylene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<0.356	<0.353	<0.331	BRL	BRL	BRL	0.183
Benzo(k)fluoranthene	mg/kg	70	70	400	400	3,000	3,000	10,000		<0.356	<0.353	<0.331	<0.100	<0.100	<0.100	**0.270**
Chrysene	mg/kg	70	70	400	400	3,000	3,000	10,000		<0.356	**0.848**	<0.331	BRL	BRL	BRL	**0.636**
Dibenz(a,h)anthracene	mg/kg	0.7	0.7	4	4	30	30	300		<0.356	<0.353	<0.331	BRL	BRL	BRL	0.183
Fluoranthene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<0.356	**1.63**	<0.331	<0.100	<0.100	<0.100	**1.129**
Fluorene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<0.356	<0.353	<0.331	<0.100	<0.100	<0.100	**0.114**
Indeno(1,2,3-c,d)pyrene	mg/kg	7	7	40	40	300	300	3,000		<0.356	<0.353	<0.331	<0.100	<0.100	<0.100	**0.120**
Naphthalene	mg/kg	20	500	20	1,000	20	3,000	10,000		<0.356	<0.353	<0.331	BRL	BRL	BRL	0.183
Phenanthrene	mg/kg	500	500	1,000	1,000	3,000	3,000	10,000		<0.356	**1.48**	<0.331	<0.100	<0.100	<0.100	**0.793**
Pyrene	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<0.356	**1.65**	<0.331	<0.100	<0.100	<0.100	**0.973**
C11-C22 Aromatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	10,000		<7.12	**17.6**	**8.15**	<10.000	<10.000	<10.000	**26.243**
C19-C36 Aliphatics	mg/kg	3,000	3,000	5,000	5,000	5,000	5,000	20,000		<7.12	**10.1**	**18.2**	<10.000	<10.000	<10.000	**15.148**
C9-C18 Aliphatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	20,000		<7.12	<7.06	<6.62	<10.000	<10.000	<10.000	**11.962**
unadjusted C11-C22 Aromatics	mg/kg									<7.12	**25.2**	**8.15**	BRL	BRL	BRL	**10.281**

TABLE 8
SUMMARY OF SOIL EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

Parameter	Units	Massachusetts Contingency Plan Method 1 Soil Standards							Sample ID	SB-202 (10-12')	SB-203 (4-6')	SB-204 (4-6')	South Sidewall	West Bottom	West Sidewall	EPC
									Lab ID	L2355554-02	L2355554-03	L2355554-04	841070502-06	841070502-05	841070502-02	
									Depth	10 - 12 ft	4 - 6 ft	4 - 6 ft	0 - 4 ft	0 - 9 ft	0 - 4 ft	
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCL Soil	Date	9/19/2023	9/19/2023	9/20/2023	5/1/2008	5/1/2008	5/1/2008	
VPH (MADEP Method)																
Benzene	mg/kg	40	40	200	200	400	1,000	10,000		<0.077	<0.066	<0.078	BRL	BRL	BRL	0.040
Ethylbenzene	mg/kg	500	500	1,000	1,000	1,000	3,000	10,000		<0.077	<0.066	<0.078	BRL	BRL	BRL	0.040
m,p-Xylenes	mg/kg	100	500	100	1,000	100	3,000	10,000		<0.077	<0.066	<0.078	BRL	BRL	BRL	0.040
Methyl tert-Butyl Ether (MTBE)	mg/kg	100	100	100	500	100	500	5,000		<0.038	<0.033	<0.039	BRL	BRL	BRL	0.020
o-Xylene	mg/kg	100	500	100	1,000	100	3,000	10,000		<0.077	<0.066	<0.078	BRL	BRL	BRL	0.040
Toluene	mg/kg	500	500	1,000	1,000	2,000	3,000	10,000		<0.077	<0.066	<0.078	BRL	BRL	BRL	0.040
Naphthalene	mg/kg	20	500	20	1,000	20	3,000	10,000		<0.153	<0.132	<0.155	BRL	BRL	BRL	0.080
C5-C8 Aliphatics	mg/kg	100	100	500	500	500	500	5,000		<3.83	<3.31	<3.87	BRL	BRL	BRL	2.011
C9-C10 Aromatics	mg/kg	100	100	500	500	500	500	5,000		<3.83	<3.31	<3.87	BRL	BRL	BRL	2.011
C9-C12 Aliphatics	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	20,000		<3.83	<3.31	<3.87	BRL	BRL	BRL	3.242
unadjusted C5-C8 Aliphatics	mg/kg	NS	NS	NS	NS	NS	NS	NS		<3.83	<3.31	<3.87	BRL	BRL	BRL	2.011
unadjusted C9-C12 Aliphatics	mg/kg	NS	NS	NS	NS	NS	NS	NS		<3.83	<3.31	<3.87	BRL	BRL	BRL	2.011

Notes:
BRL - Compound not detected above laboratory reporting limit, or sample not analyzed for compound.
NS - No Standard
EPC - Exposure point concentration
mg/kg - milligram per kilogram
UCL - Upper Concentration Limit
< - indicates the compound was not detected at a concentrations greater than the provided laboratory reporting limit.
1/2 of the laboratory method detection limit was used for EPC calculations for samples not
detected at a concentrations greater than the provided laboratory reporting limit.
Bold - Compound detected above laboratory reporting limit.
Shaded Cell - Detected concentration exceeds one or more of the following criteria:

S-1/GW-2 - 2019 MCP Method 1 Soil Standard
S-1/GW-3 - 2019 MCP Method 1 Soil Standard
S-2/GW-2 - 2019 MCP Method 1 Soil Standard
S-2/GW-3- 2019 MCP Method 1 Soil Standard
S-3/GW-2 - 2019 MCP Method 1 Soil Standard
S-3/GW-3 - 2019 MCP Method 1 Soil Standard
UCL - Soil - MA Upper Concentration Limit for Soil

TABLE 9
SUMMARY OF GROUNDWATER EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

		Massachusetts Contingency Plan Method 1 Groundwater Standards			Sample ID	MW-1				MW-2				MW-3				MW-4	MW-05		MW-13
		GW-2	GW-3	UCL GW	Date	12/8/2006	11/6/2007	8/21/2013	5/4/2015	12/8/2006	11/7/2007	8/21/2013	9/25/2023	12/8/2006	11/7/2007	8/21/2013	5/30/2023	12/8/2006	12/8/2006	11/7/2007	11/6/2007
8260																					
1,1,1,2-Tetrachloroethane	ug/l	10	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
1,1,1-Trichloroethane	ug/l	4,000	20,000	100,000		<1.0	<1.0	<1	<1.0	<1.0	<1.0	<1	<1.0	<1.0	<1.0	<1	<1.0	**1.8**	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	ug/l	9	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
1,1,2-Trichloroethane	ug/l	900	50,000	100,000		BRL	BRL	<1	<1.0	BRL	BRL	<1	<1.0	BRL	BRL	<1	<1.0	BRL	BRL	BRL	BRL
1,1-Dichloroethane	ug/l	2,000	20,000	100,000		BRL	BRL	<1	<1.0	BRL	BRL	<1	<1.0	BRL	BRL	<1	<1.0	BRL	BRL	BRL	BRL
1,1-Dichloroethene	ug/l	80	30,000	100,000		BRL	BRL	<1	<1.0	BRL	BRL	<1	<1.0	BRL	BRL	<1	<1.0	BRL	BRL	BRL	BRL
1,1-Dichloropropene	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
1,2,3-Trichlorobenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
1,2,3-Trichloropropane	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
1,2,4-Trichlorobenzene	ug/l	200	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
1,2,4-Trimethylbenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
1,2-Dichlorobenzene	ug/l	8,000	2,000	80,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
1,2-Dichloroethane	ug/l	5	20,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
1,2-Dichloroethene	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	**1.6**	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
1,2-Dichloropropane	ug/l	3	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
1,3,5-Trimethylbenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
1,3-Dichlorobenzene	ug/l	6,000	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
1,3-Dichloropropane	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
1,3-Dichloropropene	ug/l	10	200	2,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.40	BRL	BRL	BRL	<0.40	BRL	BRL	BRL	BRL
1,4-Dichlorobenzene	ug/l	60	8,000	80,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
1,4-Dioxane	ug/l	6,000	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<250	BRL	BRL	BRL	<250	BRL	BRL	BRL	BRL
2,2-Dichloropropane	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
2-Chlorotoluene	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
2-Hexanone	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<5.0	BRL	BRL	BRL	<5.0	BRL	BRL	BRL	BRL
4-Chlorotoluene	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Acetone	ug/l	50,000	50,000	100,000		BRL	BRL	<10	BRL	BRL	BRL	<10	<5.0	BRL	BRL	<10	<5.0	BRL	BRL	BRL	BRL
Benzene	ug/l	1,000	10,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.50	BRL	BRL	BRL	<0.50	BRL	BRL	BRL	BRL
Bromobenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Bromochloromethane	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Bromodichloromethane	ug/l	6	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
Bromoform	ug/l	700	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Bromomethane	ug/l	7	800	8,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Carbon Disulfide	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Carbon Tetrachloride	ug/l	2	5,000	50,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
Chlorobenzene	ug/l	200	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
Chloroethane	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Chloroform	ug/l	50	20,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
Chloromethane	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
cis-1,2-Dichloroethene	ug/l	20	50,000	100,000		<1.0	<1.0	<1	<1.0	<1.0	**1.7**	**7.2**	**1.6**	<1.0	<1.0	<1	<1.0	**8**	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.40	BRL	BRL	BRL	<0.40	BRL	BRL	BRL	BRL
Dibromochloromethane	ug/l	20	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
Dibromochloropropane (D	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Dibromomethane	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Dichlorodifluoromethane	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Diisopropyl Ether	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Ethyl Ether	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Ethyl tert-butyl ether	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL

TABLE 9
SUMMARY OF GROUNDWATER EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

		Massachusetts Contingency Plan Method 1 Groundwater Standards			Sample ID	MW-1				MW-2				MW-3				MW-4	MW-05		MW-13
		GW-2	**GW-3**	**UCL GW**	Date	12/8/2006	11/6/2007	8/21/2013	5/4/2015	12/8/2006	11/7/2007	8/21/2013	9/25/2023	12/8/2006	11/7/2007	8/21/2013	5/30/2023	12/8/2006	12/8/2006	11/7/2007	11/6/2007
Ethylbenzene	ug/l	20,000	5,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
Ethylene Dibromide (EDB)	ug/l	2	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Hexachlorobutadiene	ug/l	50	3,000	30,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.60	BRL	BRL	BRL	<0.60	BRL	BRL	BRL	BRL
Isopropylbenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
m,p-Xylenes	ug/l	3,000	5,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Methyl ethyl Ketone	ug/l	50,000	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<5.0	BRL	BRL	BRL	<5.0	BRL	BRL	BRL	BRL
Methyl Isobutyl Ketone (MI	ug/l	50,000	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<5.0	BRL	BRL	BRL	<5.0	BRL	BRL	BRL	BRL
Methyl tert-Butyl Ether (MTB	ug/l	50,000	50,000	100,000		<1.0	<1.0	<1	BRL	<1.0	<1.0	<1	<2.0	<1.0	<1.0	<1	<2.0	**1.8**	<1.0	<1.0	**1.4**
Methylene Chloride	ug/l	2,000	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Naphthalene	ug/l	700	20,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
n-Butylbenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
o-Xylene	ug/l	3,000	5,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
p-Isopropyltoluene	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Propylbenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
sec-Butylbenzene	ug/l	NS	NS	NS		BRL	BRL	<1	BRL	BRL	BRL	<1	<2.0	BRL	BRL	<1	<2.0	BRL	BRL	BRL	BRL
Styrene	ug/l	100	6,000	60,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
Tert-amyl methyl ether	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
tert-Butylbenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Tetrachloroethene	ug/l	50	30,000	100,000		<1.0	<1.0	<1	<1.0	**6.6**	**23**	**18**	**18**	**43**	**74**	**24**	**6.2**	**240**	<1.0	**1.3**	**260**
Tetrahydrofuran	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Toluene	ug/l	50,000	40,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
trans-1,2-Dichloroethene	ug/l	80	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
trans-1,3-Dichloropropene	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.40	BRL	BRL	BRL	<0.40	BRL	BRL	BRL	BRL
Trichloroethene	ug/l	5	5,000	50,000		<1.0	<1.0	<1	<1.0	**6.6**	**25**	**17**	**22**	**40**	**59**	**16**	**8.4**	**150**	<1.0	<1.0	**56**
Trichlorofluoromethane	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL
Vinyl Chloride	ug/l	2	50,000	100,000		BRL	BRL	<2	<2.0	BRL	BRL	<2	<1.0	BRL	BRL	<2	<1.0	BRL	BRL	BRL	BRL
Xylenes	ug/l	3,000	5,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
EPA Methods 6010/6020/7471																					
Antimony	ug/l	NS	8,000	80,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Antimony, Dissolved	ug/l	NS	8,000	80,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<4.0	BRL	BRL	BRL	<4.0	BRL	BRL	BRL	BRL
Arsenic	ug/l	NS	900	9,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Arsenic, Dissolved	ug/l	NS	900	9,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<5.0	BRL	BRL	BRL	<5.0	BRL	BRL	BRL	BRL
Barium	ug/l	NS	50,000	100,000		**42**	**31**	BRL	BRL	**150**	BRL	BRL	BRL	**210**	BRL	BRL	BRL	**140**	**830**	BRL	**240**
Barium, Dissolved	ug/l	NS	50,000	100,000		BRL	BRL	BRL	BRL	BRL	**180**	BRL	**72.8**	BRL	**170**	BRL	**136**	BRL	BRL	**390**	BRL
Beryllium	ug/l	NS	200	2,000		<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	**8.7**	BRL	BRL	BRL	<1.0	**1.8**	BRL	BRL
Beryllium, Dissolved	ug/l	NS	200	2,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.5	BRL	BRL	BRL	<0.5	BRL	BRL	BRL	BRL
Cadmium	ug/l	NS	4	50		<2.0	<2.0	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	BRL	BRL	BRL	<2.0	**3.4**	BRL	<2.0
Cadmium, Dissolved	ug/l	NS	4	50		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<4.0	BRL	BRL	BRL	<4.0	BRL	BRL	BRL	BRL
Chromium	ug/l	NS	300	3,000		<10	**2.9**	BRL	BRL	<10	BRL	BRL	BRL	**36**	BRL	BRL	BRL	<10	**92**	BRL	<2.0
Chromium, Dissolved	ug/l	NS	300	3,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<10.0	BRL	BRL	BRL	<10.0	BRL	BRL	BRL	BRL
Copper	ug/l	NS	NS	NS		<10	BRL	BRL	BRL	**15**	BRL	BRL	BRL	**18**	BRL	BRL	BRL	<10	**73**	BRL	BRL
Lead	ug/l	NS	10	150		**14**	**6.6**	BRL	BRL	<4.0	BRL	BRL	BRL	**98**	BRL	BRL	BRL	<4.0	**1,900**	BRL	**3.3**
Lead, Dissolved	ug/l	NS	10	150		BRL	BRL	BRL	BRL	BRL	**2.6**	BRL	<10.0	BRL	**6**	BRL	<10.0	BRL	BRL	**94**	BRL
Nickel	ug/l	NS	200	2,000		<10	BRL	BRL	BRL	**150**	BRL	BRL	BRL	**54**	BRL	BRL	BRL	**17**	**120**	BRL	BRL
Nickel, Dissolved	ug/l	NS	200	2,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	**57.2**	BRL	BRL	BRL	<25.0	BRL	BRL	BRL	BRL
Selenium, Dissolved	ug/l	NS	100	1,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<10.0	BRL	BRL	BRL	<10.0	BRL	BRL	BRL	BRL
Silver, Dissolved	ug/l	NS	7	1,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<7.0	BRL	BRL	BRL	<7.0	BRL	BRL	BRL	BRL
Thallium	ug/l	NS	3,000	30,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Thallium, Dissolved	ug/l	NS	3,000	30,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL
Vanadium, Dissolved	ug/l	NS	4,000	40,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<10.0	BRL	BRL	BRL	<10.0	BRL	BRL	BRL	BRL
Zinc	ug/l	NS	900	50,000		**23**	BRL	BRL	BRL	**57**	BRL	BRL	BRL	**170**	BRL	BRL	BRL	**28**	**730**	BRL	BRL
Zinc, Dissolved	ug/l	NS	900	50,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<50.0	BRL	BRL	BRL	<50.0	BRL	BRL	BRL	BRL

TABLE 9
SUMMARY OF GROUNDWATER EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

		Massachusetts Contingency Plan Method 1 Groundwater Standards			Sample ID	MW-1				MW-2				MW-3				MW-4	MW-05		MW-13
		GW-2	GW-3	UCL GW	Date	12/8/2006	11/6/2007	8/21/2013	5/4/2015	12/8/2006	11/7/2007	8/21/2013	9/25/2023	12/8/2006	11/7/2007	8/21/2013	5/30/2023	12/8/2006	12/8/2006	11/7/2007	11/6/2007
EPH (MADEP Method)																					
2-Methylnaphthalene	ug/l	2,000	20,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL
Acenaphthene	ug/l	NS	10,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL
Acenaphthylene	ug/l	10,000	40	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL
Anthracene	ug/l	NS	30	600		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL
Benzo(a)anthracene	ug/l	NS	1,000	10,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	**0.614**	BRL	BRL	BRL	BRL
Benzo(a)pyrene	ug/l	NS	500	5,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.200	BRL	BRL	BRL	**0.596**	BRL	BRL	BRL	BRL
Benzo(b)fluoranthene	ug/l	NS	400	4,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	**0.698**	BRL	BRL	BRL	BRL
Benzo(g,h,i)perylene	ug/l	NS	20	500		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL
Benzo(k)fluoranthene	ug/l	NS	100	1,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL
Chrysene	ug/l	NS	70	700		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	**0.514**	BRL	BRL	BRL	BRL
Dibenz(a,h)anthracene	ug/l	NS	40	400		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL
Fluoranthene	ug/l	NS	200	2,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	**0.788**	BRL	BRL	BRL	BRL
Fluorene	ug/l	NS	40	400		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL
Indeno(1,2,3-c,d)pyrene	ug/l	NS	100	1,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	**0.444**	BRL	BRL	BRL	BRL
Naphthalene	ug/l	700	20,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL
Phenanthrene	ug/l	NS	10,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL
Pyrene	ug/l	NS	20	600		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<0.400	BRL	BRL	BRL	**0.778**	BRL	BRL	BRL	BRL
C11-C22 Aromatics	ug/l	50,000	5,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<100	BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL
C19-C36 Aliphatics	ug/l	NS	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<100	BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL
C9-C18 Aliphatics	ug/l	5,000	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<100	BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL
unadjusted C11-C22 Arom	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<100	BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL
VPH (MADEP Method)																					
Benzene	ug/l	1,000	10,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.00	BRL	BRL	BRL	<2.00	BRL	BRL	BRL	BRL
Ethylbenzene	ug/l	20,000	5,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.00	BRL	BRL	BRL	<2.00	BRL	BRL	BRL	BRL
m,p-Xylenes	ug/l	3,000	5,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.00	BRL	BRL	BRL	<2.00	BRL	BRL	BRL	BRL
Methyl tert-Butyl Ether (MTE	ug/l	50,000	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<3.00	BRL	BRL	BRL	<3.00	BRL	BRL	BRL	BRL
o-Xylene	ug/l	3,000	5,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.00	BRL	BRL	BRL	<2.00	BRL	BRL	BRL	BRL
Toluene	ug/l	50,000	40,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<2.00	BRL	BRL	BRL	<2.00	BRL	BRL	BRL	BRL
Naphthalene	ug/l	700	20,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<4.00	BRL	BRL	BRL	<4.00	BRL	BRL	BRL	BRL
C5-C8 Aliphatics	ug/l	3,000	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<100	BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL
C9-C10 Aromatics	ug/l	4,000	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<100	BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL
C9-C12 Aliphatics	ug/l	5,000	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<100	BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL
unadjusted C5-C8 Aliphat	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<100	BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL
unadjusted C9-C12 Alipho	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	<100	BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL

Notes:
ug/L - microgram per liter
BRL - Compound not detected above laboratory reporting limit, or sample not analyzed for compound.
< - indicates the compound was not detected at a concentrations greater than the provided laboratory reporting limit.
NS - No Standard
Bold - Compound detected above laboratory reporting limit.
Shaded Cell - Detected concentration exceeds one or more of the following criteria:

GW-2 - 2019 MCP Method 1 GW-2 Standard
GW-3 - 2019 MCP Method 1 GW-3 Standard
UCL - GW - MA Upper Concentration Limit for Groundwater

TABLE 9
SUMMARY OF GROUNDWATER EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

		Massachusetts Contingency Plan Method 1 Groundwater Standards			Sample ID	MW-14				MW-16	MW-17			MW-101D				MW-101S			
		GW-2	GW-3	UCL GW	Date	11/6/2007	5/15/2013	8/21/2013	5/30/2023	11/7/2007	11/6/2007	8/21/2013	5/4/2015	5/15/2013	8/21/2013	5/5/2015	6/2/2015	5/15/2013	8/21/2013	5/5/2015	6/2/2015
8260																					
1,1,1,2-Tetrachloroethane	ug/l	10	50,000	100,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,1-Trichloroethane	ug/l	4,000	20,000	100,000		<1.0	<1	<1	<1.0	<1.0	<1.0	<1	<1.0	**57**	**410**	**27**	**34**	**17**	**22**	**540**	**110**
1,1,2,2-Tetrachloroethane	ug/l	9	50,000	100,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,2-Trichloroethane	ug/l	900	50,000	100,000		BRL	<1	<1	<1.0	BRL	BRL	<1	<1.0	<1	**1.3**	<10	<20	<1	<1	<100	<25
1,1-Dichloroethane	ug/l	2,000	20,000	100,000		BRL	<1	<1	<1.0	BRL	BRL	<1	<1.0	**19**	**64**	**13**	<20	**20**	**6.6**	**130**	<25
1,1-Dichloroethene	ug/l	80	30,000	100,000		BRL	<1	<1	<1.0	BRL	BRL	<1	<1.0	**7.5**	**26**	<10	<20	**6.9**	**3.8**	<100	<25
1,1-Dichloropropene	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichlorobenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichloropropane	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trichlorobenzene	ug/l	200	50,000	100,000		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trimethylbenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichlorobenzene	ug/l	8,000	2,000	80,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloroethane	ug/l	5	20,000	100,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloroethene	ug/l	NS	NS	NS		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloropropane	ug/l	3	50,000	100,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3,5-Trimethylbenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichlorobenzene	ug/l	6,000	50,000	100,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichloropropane	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichloropropene	ug/l	10	200	2,000		BRL	BRL	BRL	<0.40	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dichlorobenzene	ug/l	60	8,000	80,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dioxane	ug/l	6,000	50,000	100,000		BRL	BRL	BRL	<250	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
2,2-Dichloropropane	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
2-Chlorotoluene	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
2-Hexanone	ug/l	NS	NS	NS		BRL	BRL	BRL	<5.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
4-Chlorotoluene	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Acetone	ug/l	50,000	50,000	100,000		BRL	<10	<10	<5.0	BRL	BRL	<10	BRL	<10	<10	BRL	BRL	<10	<10	BRL	BRL
Benzene	ug/l	1,000	10,000	100,000		BRL	BRL	BRL	<0.50	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromobenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromochloromethane	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromodichloromethane	ug/l	6	50,000	100,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromoform	ug/l	700	50,000	100,000		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromomethane	ug/l	7	800	8,000		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Carbon Disulfide	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Carbon Tetrachloride	ug/l	2	5,000	50,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chlorobenzene	ug/l	200	1,000	10,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloroethane	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloroform	ug/l	50	20,000	100,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloromethane	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
cis-1,2-Dichloroethene	ug/l	20	50,000	100,000		<1.0	<1	<1	<1.0	<1.0	<1.0	<1	<1.0	**6.3**	**20**	<10	<20	**3.5**	**4.1**	<100	<25
cis-1,3-Dichloropropene	ug/l	NS	NS	NS		BRL	BRL	BRL	<0.40	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibromochloromethane	ug/l	20	50,000	100,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibromochloropropane (D	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibromomethane	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dichlorodifluoromethane	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Diisopropyl Ether	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethyl Ether	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethyl tert-butyl ether	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL

TABLE 9
SUMMARY OF GROUNDWATER EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

		Massachusetts Contingency Plan Method 1 Groundwater Standards			Sample ID	MW-14				MW-16	MW-17			MW-101D				MW-101S			
		GW-2	GW-3	UCL GW	Date	11/6/2007	5/15/2013	8/21/2013	5/30/2023	11/7/2007	11/6/2007	8/21/2013	5/4/2015	5/15/2013	8/21/2013	5/5/2015	6/2/2015	5/15/2013	8/21/2013	5/5/2015	6/2/2015
Ethylbenzene	ug/l	20,000	5,000	100,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethylene Dibromide (EDB)	ug/l	2	50,000	100,000		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Hexachlorobutadiene	ug/l	50	3,000	30,000		BRL	BRL	BRL	<0.60	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Isopropylbenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
m,p-Xylenes	ug/l	3,000	5,000	100,000		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methyl ethyl Ketone	ug/l	50,000	50,000	100,000		BRL	BRL	BRL	<5.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methyl Isobutyl Ketone (MI	ug/l	50,000	50,000	100,000		BRL	BRL	BRL	<5.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methyl tert-Butyl Ether (MTB	ug/l	50,000	50,000	100,000		<1.0	<1	<1	<2.0	<1.0	<1.0	<1	BRL	**1.1**	<1	BRL	BRL	<1	<1	BRL	BRL
Methylene Chloride	ug/l	2,000	50,000	100,000		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	ug/l	700	20,000	100,000		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
n-Butylbenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
o-Xylene	ug/l	3,000	5,000	100,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
p-Isopropyltoluene	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Propylbenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
sec-Butylbenzene	ug/l	NS	NS	NS		BRL	<1	<1	<2.0	BRL	BRL	<1	BRL	<1	<1	BRL	BRL	<1	<1	BRL	BRL
Styrene	ug/l	100	6,000	60,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tert-amyl methyl ether	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
tert-Butylbenzene	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tetrachloroethene	ug/l	50	30,000	100,000		**12**	**1.5**	**1.8**	**3.2**	**41**	<1.0	<1	<1.0	**1,600**	**1,400**	**170**	**210**	**45**	**44**	**120**	**58**
Tetrahydrofuran	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Toluene	ug/l	50,000	40,000	100,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
trans-1,2-Dichloroethene	ug/l	80	50,000	100,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
trans-1,3-Dichloropropene	ug/l	NS	NS	NS		BRL	BRL	BRL	<0.40	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Trichloroethene	ug/l	5	5,000	50,000		**20**	**2.7**	**3.7**	**4.2**	**45**	<1.0	<1	<1.0	**1,600**	**4,600**	**600**	**830**	**390**	**260**	**8,600**	**2,500**
Trichlorofluoromethane	ug/l	NS	NS	NS		BRL	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Vinyl Chloride	ug/l	2	50,000	100,000		BRL	<2	<2	<1.0	BRL	BRL	<2	<2.0	<2	<2	<20	<40	<2	<2	<200	<50
Xylenes	ug/l	3,000	5,000	100,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
EPA Methods 6010/6020/7471																					
Antimony	ug/l	NS	8,000	80,000		BRL	<1	BRL	BRL	BRL	BRL	BRL	BRL	<1	BRL	BRL	BRL	<1	BRL	BRL	BRL
Antimony, Dissolved	ug/l	NS	8,000	80,000		BRL	BRL	BRL	<4.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Arsenic	ug/l	NS	900	9,000		BRL	<0.4	BRL	BRL	BRL	BRL	BRL	BRL	**0.42**	BRL	BRL	BRL	<0.4	BRL	BRL	BRL
Arsenic, Dissolved	ug/l	NS	900	9,000		BRL	BRL	BRL	<5.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Barium	ug/l	NS	50,000	100,000		**120**	**130**	BRL	BRL	**110**	**60**	BRL	BRL	**200**	BRL	BRL	BRL	**170**	BRL	BRL	BRL
Barium, Dissolved	ug/l	NS	50,000	100,000		BRL	BRL	BRL	**156**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Beryllium	ug/l	NS	200	2,000		BRL	**0.96**	BRL	BRL	BRL	BRL	BRL	BRL	**2**	BRL	BRL	BRL	<0.4	BRL	BRL	BRL
Beryllium, Dissolved	ug/l	NS	200	2,000		BRL	BRL	BRL	**0.5**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Cadmium	ug/l	NS	4	50		<2.0	<0.5	BRL	BRL	<2.0	<2.0	BRL	BRL	<0.5	BRL	BRL	BRL	**1.1**	BRL	BRL	BRL
Cadmium, Dissolved	ug/l	NS	4	50		BRL	BRL	BRL	<4.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chromium	ug/l	NS	300	3,000		<2.0	<1	BRL	BRL	<2.0	<2.0	BRL	BRL	<1	BRL	BRL	BRL	<1	BRL	BRL	BRL
Chromium, Dissolved	ug/l	NS	300	3,000		BRL	BRL	BRL	<10.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Copper	ug/l	NS	NS	NS		BRL	**29**	BRL	BRL	BRL	BRL	BRL	BRL	**27**	BRL	BRL	BRL	**20**	BRL	BRL	BRL
Lead	ug/l	NS	10	150		<2.0	BRL	BRL	BRL	<2.0	<2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Lead, Dissolved	ug/l	NS	10	150		BRL	BRL	BRL	<10.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Nickel	ug/l	NS	200	2,000		BRL	<5	BRL	BRL	BRL	BRL	BRL	BRL	**10**	BRL	BRL	BRL	**8.9**	BRL	BRL	BRL
Nickel, Dissolved	ug/l	NS	200	2,000		BRL	BRL	BRL	<25.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Selenium, Dissolved	ug/l	NS	100	1,000		BRL	BRL	BRL	<10.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Silver, Dissolved	ug/l	NS	7	1,000		BRL	BRL	BRL	<7.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Thallium	ug/l	NS	3,000	30,000		BRL	<0.2	BRL	BRL	BRL	BRL	BRL	BRL	<0.2	BRL	BRL	BRL	<0.2	BRL	BRL	BRL
Thallium, Dissolved	ug/l	NS	3,000	30,000		BRL	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Vanadium, Dissolved	ug/l	NS	4,000	40,000		BRL	BRL	BRL	<10.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Zinc	ug/l	NS	900	50,000		BRL	**11**	BRL	BRL	BRL	BRL	BRL	BRL	**270**	BRL	BRL	BRL	**200**	BRL	BRL	BRL
Zinc, Dissolved	ug/l	NS	900	50,000		BRL	BRL	BRL	<50.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL

TABLE 9
SUMMARY OF GROUNDWATER EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

		Massachusetts Contingency Plan Method 1 Groundwater Standards			Sample ID	MW-14				MW-16	MW-17			MW-101D				MW-101S			
		GW-2	GW-3	UCL GW	Date	11/6/2007	5/15/2013	8/21/2013	5/30/2023	11/7/2007	11/6/2007	8/21/2013	5/4/2015	5/15/2013	8/21/2013	5/5/2015	6/2/2015	5/15/2013	8/21/2013	5/5/2015	6/2/2015
EPH (MADEP Method)																					
2-Methylnaphthalene	ug/l	2,000	20,000	100,000		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Acenaphthene	ug/l	NS	10,000	100,000		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Acenaphthylene	ug/l	10,000	40	100,000		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Anthracene	ug/l	NS	30	600		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(a)anthracene	ug/l	NS	1,000	10,000		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(a)pyrene	ug/l	NS	500	5,000		BRL	BRL	BRL	<0.200	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(b)fluoranthene	ug/l	NS	400	4,000		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(g,h,i)perylene	ug/l	NS	20	500		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(k)fluoranthene	ug/l	NS	100	1,000		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chrysene	ug/l	NS	70	700		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibenz(a,h)anthracene	ug/l	NS	40	400		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Fluoranthene	ug/l	NS	200	2,000		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Fluorene	ug/l	NS	40	400		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Indeno(1,2,3-c,d)pyrene	ug/l	NS	100	1,000		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	ug/l	700	20,000	100,000		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Phenanthrene	ug/l	NS	10,000	100,000		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Pyrene	ug/l	NS	20	600		BRL	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
C11-C22 Aromatics	ug/l	50,000	5,000	100,000		BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
C19-C36 Aliphatics	ug/l	NS	50,000	100,000		BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
C9-C18 Aliphatics	ug/l	5,000	50,000	100,000		BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
unadjusted C11-C22 Arom	ug/l	NS	NS	NS		BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
VPH (MADEP Method)																					
Benzene	ug/l	1,000	10,000	100,000		BRL	BRL	BRL	<2.00	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethylbenzene	ug/l	20,000	5,000	100,000		BRL	BRL	BRL	<2.00	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
m,p-Xylenes	ug/l	3,000	5,000	100,000		BRL	BRL	BRL	<2.00	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methyl tert-Butyl Ether (MTE	ug/l	50,000	50,000	100,000		BRL	BRL	BRL	<3.00	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
o-Xylene	ug/l	3,000	5,000	100,000		BRL	BRL	BRL	<2.00	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Toluene	ug/l	50,000	40,000	100,000		BRL	BRL	BRL	<2.00	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	ug/l	700	20,000	100,000		BRL	BRL	BRL	<4.00	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
C5-C8 Aliphatics	ug/l	3,000	50,000	100,000		BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
C9-C10 Aromatics	ug/l	4,000	50,000	100,000		BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
C9-C12 Aliphatics	ug/l	5,000	50,000	100,000		BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
unadjusted C5-C8 Aliphat	ug/l	NS	NS	NS		BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
unadjusted C9-C12 Alipho	ug/l	NS	NS	NS		BRL	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL

Notes:
ug/L - microgram per liter
BRL - Compound not detected above laboratory reporting limit, or sample not analyze
< - indicates the compound was not detected at a concentrations greater than the pr
NS - No Standard
Bold - Compound detected above laboratory reporting limit.
Shaded Cell - Detected concentration exceeds one or more of the following criteria:

GW-2 - 2019 MCP Method 1 GW-2 Standard
GW-3 - 2019 MCP Method 1 GW-3 Standard
UCL - GW - MA Upper Concentration Limit for Groundwater

TABLE 9
SUMMARY OF GROUNDWATER EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

		Massachusetts Contingency Plan Method 1 Groundwater Standards			Sample ID		MW-102D			MW-102S			MW-103D			MW-103S			MW-104D	
		GW-2	GW-3	UCL GW	Date	9/25/2023	5/15/2013	8/20/2013	5/31/2023	5/15/2013	8/20/2013	5/30/2023	5/15/2013	8/20/2013	5/31/2023	5/15/2013	8/20/2013	5/30/2023	5/15/2013	8/20/2013
8260																				
1,1,1,2-Tetrachloroethane	ug/l	10	50,000	100,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
1,1,1-Trichloroethane	ug/l	4,000	20,000	100,000		<1.0	<1	<4	**8.5**	<1	<1	<1.0	**5.5**	<10	<1.0	<1	<1	<1.0	**6.9**	<50
1,1,2,2-Tetrachloroethane	ug/l	9	50,000	100,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
1,1,2-Trichloroethane	ug/l	900	50,000	100,000		<1.0	<1	<4	<2.5	<1	<1	**1.3**	<1	<10	<1.0	<1	<1	<1.0	<1	<50
1,1-Dichloroethane	ug/l	2,000	20,000	100,000		<1.0	<1	<4	<2.5	<1	<1	<1.0	<1	<10	<1.0	<1	<1	<1.0	<1	<50
1,1-Dichloroethene	ug/l	80	30,000	100,000		<1.0	<1	<4	<2.5	<1	<1	<1.0	<1	<10	<1.0	<1	<1	<1.0	<1	<50
1,1-Dichloropropene	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
1,2,3-Trichlorobenzene	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
1,2,3-Trichloropropane	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
1,2,4-Trichlorobenzene	ug/l	200	50,000	100,000		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
1,2,4-Trimethylbenzene	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
1,2-Dichlorobenzene	ug/l	8,000	2,000	80,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
1,2-Dichloroethane	ug/l	5	20,000	100,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
1,2-Dichloroethene	ug/l	NS	NS	NS		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	**5.6**	BRL	BRL	**6.1**	BRL	BRL
1,2-Dichloropropane	ug/l	3	50,000	100,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
1,3,5-Trimethylbenzene	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
1,3-Dichlorobenzene	ug/l	6,000	50,000	100,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
1,3-Dichloropropane	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
1,3-Dichloropropene	ug/l	10	200	2,000		<0.40	BRL	BRL	<1.0	BRL	BRL	<0.40	BRL	BRL	<0.40	BRL	BRL	<0.40	BRL	BRL
1,4-Dichlorobenzene	ug/l	60	8,000	80,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
1,4-Dioxane	ug/l	6,000	50,000	100,000		<250	BRL	BRL	<620	BRL	BRL	<250	BRL	BRL	<250	BRL	BRL	<250	BRL	BRL
2,2-Dichloropropane	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
2-Chlorotoluene	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
2-Hexanone	ug/l	NS	NS	NS		<5.0	BRL	BRL	<12	BRL	BRL	<5.0	BRL	BRL	<5.0	BRL	BRL	<5.0	BRL	BRL
4-Chlorotoluene	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Acetone	ug/l	50,000	50,000	100,000		<5.0	<10	<40	<12	<10	<10	<5.0	<10	<100	<5.0	<10	<10	<5.0	<10	<500
Benzene	ug/l	1,000	10,000	100,000		<0.50	BRL	BRL	<1.2	BRL	BRL	<0.50	BRL	BRL	<0.50	BRL	BRL	<0.50	BRL	BRL
Bromobenzene	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Bromochloromethane	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Bromodichloromethane	ug/l	6	50,000	100,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
Bromoform	ug/l	700	50,000	100,000		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Bromomethane	ug/l	7	800	8,000		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Carbon Disulfide	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Carbon Tetrachloride	ug/l	2	5,000	50,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
Chlorobenzene	ug/l	200	1,000	10,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
Chloroethane	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Chloroform	ug/l	50	20,000	100,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
Chloromethane	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
cis-1,2-Dichloroethene	ug/l	20	50,000	100,000		<1.0	<1	<4	<2.5	<1	<1	<1.0	**3.2**	**46**	**5.6**	**1.1**	**7.8**	**6.1**	<1	<50
cis-1,3-Dichloropropene	ug/l	NS	NS	NS		<0.40	BRL	BRL	<1.0	BRL	BRL	<0.40	BRL	BRL	<0.40	BRL	BRL	<0.40	BRL	BRL
Dibromochloromethane	ug/l	20	50,000	100,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
Dibromochloropropane (D	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Dibromomethane	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Dichlorodifluoromethane	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Diisopropyl Ether	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Ethyl Ether	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Ethyl tert-butyl ether	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL

TABLE 9
SUMMARY OF GROUNDWATER EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

		Massachusetts Contingency Plan Method 1 Groundwater Standards			Sample ID		MW-102D			MW-102S			MW-103D			MW-103S			MW-104D	
		GW-2	**GW-3**	**UCL GW**	Date	9/25/2023	5/15/2013	8/20/2013	5/31/2023	5/15/2013	8/20/2013	5/30/2023	5/15/2013	8/20/2013	5/31/2023	5/15/2013	8/20/2013	5/30/2023	5/15/2013	8/20/2013
Ethylbenzene	ug/l	20,000	5,000	100,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
Ethylene Dibromide (EDB)	ug/l	2	50,000	100,000		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Hexachlorobutadiene	ug/l	50	3,000	30,000		<0.60	BRL	BRL	<1.5	BRL	BRL	<0.60	BRL	BRL	<0.60	BRL	BRL	<0.60	BRL	BRL
Isopropylbenzene	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
m,p-Xylenes	ug/l	3,000	5,000	100,000		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Methyl ethyl Ketone	ug/l	50,000	50,000	100,000		<5.0	BRL	BRL	<12	BRL	BRL	<5.0	BRL	BRL	<5.0	BRL	BRL	<5.0	BRL	BRL
Methyl Isobutyl Ketone (MI	ug/l	50,000	50,000	100,000		<5.0	BRL	BRL	<12	BRL	BRL	<5.0	BRL	BRL	<5.0	BRL	BRL	<5.0	BRL	BRL
Methyl tert-Butyl Ether (MTE	ug/l	50,000	50,000	100,000		<2.0	<1	<4	<5.0	<1	<1	<2.0	**1.8**	<10	<2.0	<1	<1	<2.0	<1	<50
Methylene Chloride	ug/l	2,000	50,000	100,000		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Naphthalene	ug/l	700	20,000	100,000		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
n-Butylbenzene	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
o-Xylene	ug/l	3,000	5,000	100,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
p-Isopropyltoluene	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Propylbenzene	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
sec-Butylbenzene	ug/l	NS	NS	NS		<2.0	<1	<4	<5.0	**4.9**	**2.5**	**3.2**	<1	<10	<2.0	<1	<1	<2.0	<1	<50
Styrene	ug/l	100	6,000	60,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
Tert-amyl methyl ether	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
tert-Butylbenzene	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Tetrachloroethene	ug/l	50	30,000	100,000		<1.0	**2.6**	<4	**4.4**	<1	<1	<1.0	**1,100**	**1,100**	**4.9**	**5.1**	**1.5**	**6**	**1,700**	**1,700**
Tetrahydrofuran	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Toluene	ug/l	50,000	40,000	100,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
trans-1,2-Dichloroethene	ug/l	80	50,000	100,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
trans-1,3-Dichloropropene	ug/l	NS	NS	NS		<0.40	BRL	BRL	<1.0	BRL	BRL	<0.40	BRL	BRL	<0.40	BRL	BRL	<0.40	BRL	BRL
Trichloroethene	ug/l	5	5,000	50,000		**4**	**4.1**	**140**	**300**	<1	<1	<1.0	**840**	**1,200**	**2.6**	**4.4**	**3.4**	<1.0	**760**	**850**
Trichlorofluoromethane	ug/l	NS	NS	NS		<2.0	BRL	BRL	<5.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL	<2.0	BRL	BRL
Vinyl Chloride	ug/l	2	50,000	100,000		<1.0	<2	<8	<2.5	<2	<2	<1.0	<2	<20	<1.0	<2	**3.8**	**1.6**	<2	<100
Xylenes	ug/l	3,000	5,000	100,000		<1.0	BRL	BRL	<2.5	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
EPA Methods 6010/6020/7471																				
Antimony	ug/l	NS	8,000	80,000		BRL	<1	BRL	BRL	**1.3**	BRL	BRL	<1	BRL	BRL	<1	BRL	BRL	<1	BRL
Antimony, Dissolved	ug/l	NS	8,000	80,000		<4.0	BRL	BRL	<4.0	BRL	BRL	<4.0	BRL	BRL	<4.0	BRL	BRL	<4.0	BRL	BRL
Arsenic	ug/l	NS	900	9,000		BRL	**0.8**	BRL	BRL	**1.4**	BRL	BRL	**0.92**	BRL	BRL	**1.1**	BRL	BRL	**0.67**	BRL
Arsenic, Dissolved	ug/l	NS	900	9,000		<5.0	BRL	BRL	<5.0	BRL	BRL	<5.0	BRL	BRL	<5.0	BRL	BRL	<5.0	BRL	BRL
Barium	ug/l	NS	50,000	100,000		BRL	**76**	BRL	BRL	**130**	BRL	BRL	**140**	BRL	BRL	**110**	BRL	BRL	**24**	BRL
Barium, Dissolved	ug/l	NS	50,000	100,000		**23.5**	BRL	BRL	**12.8**	BRL	BRL	**92.4**	BRL	BRL	**22**	BRL	BRL	**118**	BRL	BRL
Beryllium	ug/l	NS	200	2,000		BRL	**4.8**	BRL	BRL	<0.4	BRL	BRL	**2.3**	BRL	BRL	**0.7**	BRL	BRL	**18**	BRL
Beryllium, Dissolved	ug/l	NS	200	2,000		<0.5	BRL	BRL	**8**	BRL	BRL	**0.7**	BRL	BRL	<0.5	BRL	BRL	**0.5**	BRL	BRL
Cadmium	ug/l	NS	4	50		BRL	<0.5	BRL	BRL	<0.5	BRL	BRL	**2**	BRL	BRL	**2**	BRL	BRL	<0.5	BRL
Cadmium, Dissolved	ug/l	NS	4	50		<4.0	BRL	BRL	<4.0	BRL	BRL	<4.0	BRL	BRL	<4.0	BRL	BRL	<4.0	BRL	BRL
Chromium	ug/l	NS	300	3,000		BRL	<1	BRL	BRL	<1	BRL	BRL	<1	BRL	BRL	<1	BRL	BRL	<1	BRL
Chromium, Dissolved	ug/l	NS	300	3,000		<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL
Copper	ug/l	NS	NS	NS		BRL	**13**	BRL	BRL	**25**	BRL	BRL	**14**	BRL	BRL	**14**	BRL	BRL	**18**	BRL
Lead	ug/l	NS	10	150		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Lead, Dissolved	ug/l	NS	10	150		<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL
Nickel	ug/l	NS	200	2,000		BRL	**7.3**	BRL	BRL	**70**	BRL	BRL	**15**	BRL	BRL	**16**	BRL	BRL	<5	BRL
Nickel, Dissolved	ug/l	NS	200	2,000		<25.0	BRL	BRL	<25.0	BRL	BRL	<25.0	BRL	BRL	<25.0	BRL	BRL	<25.0	BRL	BRL
Selenium, Dissolved	ug/l	NS	100	1,000		<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL
Silver, Dissolved	ug/l	NS	7	1,000		<7.0	BRL	BRL	<7.0	BRL	BRL	<7.0	BRL	BRL	<7.0	BRL	BRL	<7.0	BRL	BRL
Thallium	ug/l	NS	3,000	30,000		BRL	<0.2	BRL	BRL	<0.2	BRL	BRL	**0.21**	BRL	BRL	**0.49**	BRL	BRL	<0.2	BRL
Thallium, Dissolved	ug/l	NS	3,000	30,000		<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL
Vanadium, Dissolved	ug/l	NS	4,000	40,000		<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL
Zinc	ug/l	NS	900	50,000		BRL	**71**	BRL	BRL	**12**	BRL	BRL	**40**	BRL	BRL	**62**	BRL	BRL	**89**	BRL
Zinc, Dissolved	ug/l	NS	900	50,000		**55.3**	BRL	BRL	**73.4**	BRL	BRL	<50.0	BRL	BRL	<50.0	BRL	BRL	<50.0	BRL	BRL

TABLE 9
SUMMARY OF GROUNDWATER EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

		Massachusetts Contingency Plan Method 1 Groundwater Standards			Sample ID		MW-102D			MW-102S			MW-103D			MW-103S			MW-104D	
		GW-2	GW-3	UCL GW	Date	9/25/2023	5/15/2013	8/20/2013	5/31/2023	5/15/2013	8/20/2013	5/30/2023	5/15/2013	8/20/2013	5/31/2023	5/15/2013	8/20/2013	5/30/2023	5/15/2013	8/20/2013
EPH (MADEP Method)																				
2-Methylnaphthalene	ug/l	2,000	20,000	100,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
Acenaphthene	ug/l	NS	10,000	100,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
Acenaphthylene	ug/l	10,000	40	100,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
Anthracene	ug/l	NS	30	600		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
Benzo(a)anthracene	ug/l	NS	1,000	10,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
Benzo(a)pyrene	ug/l	NS	500	5,000		<0.200	BRL	BRL	<0.200	BRL	BRL	<0.200	BRL	BRL	<0.200	BRL	BRL	<0.200	BRL	BRL
Benzo(b)fluoranthene	ug/l	NS	400	4,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
Benzo(g,h,i)perylene	ug/l	NS	20	500		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
Benzo(k)fluoranthene	ug/l	NS	100	1,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
Chrysene	ug/l	NS	70	700		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
Dibenz(a,h)anthracene	ug/l	NS	40	400		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
Fluoranthene	ug/l	NS	200	2,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
Fluorene	ug/l	NS	40	400		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
Indeno(1,2,3-c,d)pyrene	ug/l	NS	100	1,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
Naphthalene	ug/l	700	20,000	100,000		<0.400	BRL	BRL	**0.592**	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
Phenanthrene	ug/l	NS	10,000	100,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
Pyrene	ug/l	NS	20	600		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL
C11-C22 Aromatics	ug/l	50,000	5,000	100,000		**135**	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL
C19-C36 Aliphatics	ug/l	NS	50,000	100,000		<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL
C9-C18 Aliphatics	ug/l	5,000	50,000	100,000		<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL
unadjusted C11-C22 Arom	ug/l	NS	NS	NS		**135**	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL
VPH (MADEP Method)																				
Benzene	ug/l	1,000	10,000	100,000		<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL
Ethylbenzene	ug/l	20,000	5,000	100,000		<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL
m,p-Xylenes	ug/l	3,000	5,000	100,000		<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL
Methyl tert-Butyl Ether (MTE	ug/l	50,000	50,000	100,000		<3.00	BRL	BRL	<3.00	BRL	BRL	<3.00	BRL	BRL	<3.00	BRL	BRL	<3.00	BRL	BRL
o-Xylene	ug/l	3,000	5,000	100,000		<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL
Toluene	ug/l	50,000	40,000	100,000		<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL
Naphthalene	ug/l	700	20,000	100,000		<4.00	BRL	BRL	<4.00	BRL	BRL	<4.00	BRL	BRL	<4.00	BRL	BRL	<4.00	BRL	BRL
C5-C8 Aliphatics	ug/l	3,000	50,000	100,000		<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL
C9-C10 Aromatics	ug/l	4,000	50,000	100,000		<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL
C9-C12 Aliphatics	ug/l	5,000	50,000	100,000		<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL
unadjusted C5-C8 Aliphat	ug/l	NS	NS	NS		<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL
unadjusted C9-C12 Aliphd	ug/l	NS	NS	NS		<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL

Notes:
ug/L - microgram per liter
BRL - Compound not detected above laboratory reporting limit, or sample not analyze
< - indicates the compound was not detected at a concentrations greater than the pr
NS - No Standard
Bold - Compound detected above laboratory reporting limit.
Shaded Cell - Detected concentration exceeds one or more of the following criteria:

GW-2 - 2019 MCP Method 1 GW-2 Standard
GW-3 - 2019 MCP Method 1 GW-3 Standard
UCL - GW - MA Upper Concentration Limit for Groundwater

TABLE 9
SUMMARY OF GROUNDWATER EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

		Massachusetts Contingency Plan Method 1 Groundwater Standards			Sample ID		MW-104S			MW-105D			MW-105S			MW-106D			MW-106S		
		GW-2	**GW-3**	**UCL GW**	Date	5/31/2023	5/15/2013	8/20/2013	5/30/2023	5/15/2013	8/20/2013	5/30/2023	5/15/2013	8/20/2013	5/31/2023	5/15/2013	8/21/2013	5/4/2015	5/15/2013	8/21/2013	5/5/2015
8260																					
1,1,1,2-Tetrachloroethane	ug/l	10	50,000	100,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
1,1,1-Trichloroethane	ug/l	4,000	20,000	100,000		**9.1**	<1	<1	<1.0	<1	<1	<5.0	<1	<4	<1.0	<1	<1	<1.0	<1	<1	<1.0
1,1,2,2-Tetrachloroethane	ug/l	9	50,000	100,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
1,1,2-Trichloroethane	ug/l	900	50,000	100,000		<5.0	<1	<1	<1.0	<1	<1	<5.0	<1	<4	<1.0	<1	<1	<1.0	<1	<1	<1.0
1,1-Dichloroethane	ug/l	2,000	20,000	100,000		<5.0	<1	<1	<1.0	<1	<1	<5.0	<1	<4	<1.0	<1	<1	<1.0	<1	<1	<1.0
1,1-Dichloroethene	ug/l	80	30,000	100,000		<5.0	<1	<1	<1.0	<1	<1	<5.0	<1	<4	<1.0	<1	<1	<1.0	<1	<1	<1.0
1,1-Dichloropropene	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichlorobenzene	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichloropropane	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trichlorobenzene	ug/l	200	50,000	100,000		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trimethylbenzene	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichlorobenzene	ug/l	8,000	2,000	80,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloroethane	ug/l	5	20,000	100,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloroethene	ug/l	NS	NS	NS		**5.5**	BRL	BRL	**14**	BRL	BRL	**8.3**	BRL	BRL	**1.2**	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloropropane	ug/l	3	50,000	100,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
1,3,5-Trimethylbenzene	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichlorobenzene	ug/l	6,000	50,000	100,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichloropropane	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichloropropene	ug/l	10	200	2,000		<2.0	BRL	BRL	<0.40	BRL	BRL	<2.0	BRL	BRL	<0.40	BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dichlorobenzene	ug/l	60	8,000	80,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dioxane	ug/l	6,000	50,000	100,000		<1200	BRL	BRL	<250	BRL	BRL	<1200	BRL	BRL	<250	BRL	BRL	BRL	BRL	BRL	BRL
2,2-Dichloropropane	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
2-Chlorotoluene	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
2-Hexanone	ug/l	NS	NS	NS		<25	BRL	BRL	<5.0	BRL	BRL	<25	BRL	BRL	<5.0	BRL	BRL	BRL	BRL	BRL	BRL
4-Chlorotoluene	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Acetone	ug/l	50,000	50,000	100,000		<25	<10	<10	<5.0	<10	<10	<25	<10	<40	<5.0	<10	<10	BRL	**23**	<10	BRL
Benzene	ug/l	1,000	10,000	100,000		<2.5	BRL	BRL	<0.50	BRL	BRL	<2.5	BRL	BRL	<0.50	BRL	BRL	BRL	BRL	BRL	BRL
Bromobenzene	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Bromochloromethane	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Bromodichloromethane	ug/l	6	50,000	100,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
Bromoform	ug/l	700	50,000	100,000		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Bromomethane	ug/l	7	800	8,000		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Carbon Disulfide	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Carbon Tetrachloride	ug/l	2	5,000	50,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
Chlorobenzene	ug/l	200	1,000	10,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
Chloroethane	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Chloroform	ug/l	50	20,000	100,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
Chloromethane	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
cis-1,2-Dichloroethene	ug/l	20	50,000	100,000		**5.5**	**4.7**	**6.8**	**14**	<1	<1	**8.3**	<1	<4	**1.2**	<1	<1	<1.0	<1	<1	<1.0
cis-1,3-Dichloropropene	ug/l	NS	NS	NS		<2.0	BRL	BRL	<0.40	BRL	BRL	<2.0	BRL	BRL	<0.40	BRL	BRL	BRL	BRL	BRL	BRL
Dibromochloromethane	ug/l	20	50,000	100,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
Dibromochloropropane (D	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Dibromomethane	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Dichlorodifluoromethane	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Diisopropyl Ether	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Ethyl Ether	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Ethyl tert-butyl ether	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL

TABLE 9
SUMMARY OF GROUNDWATER EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

		Massachusetts Contingency Plan Method 1 Groundwater Standards			Sample ID		MW-104S			MW-105D			MW-105S			MW-106D			MW-106S		
		GW-2	GW-3	UCL GW	Date	5/31/2023	5/15/2013	8/20/2013	5/30/2023	5/15/2013	8/20/2013	5/30/2023	5/15/2013	8/20/2013	5/31/2023	5/15/2013	8/21/2013	5/4/2015	5/15/2013	8/21/2013	5/5/2015
Ethylbenzene	ug/l	20,000	5,000	100,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
Ethylene Dibromide (EDB)	ug/l	2	50,000	100,000		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Hexachlorobutadiene	ug/l	50	3,000	30,000		<3.0	BRL	BRL	<0.60	BRL	BRL	<3.0	BRL	BRL	<0.60	BRL	BRL	BRL	BRL	BRL	BRL
Isopropylbenzene	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
m,p-Xylenes	ug/l	3,000	5,000	100,000		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Methyl ethyl Ketone	ug/l	50,000	50,000	100,000		<25	BRL	BRL	<5.0	BRL	BRL	<25	BRL	BRL	<5.0	BRL	BRL	BRL	BRL	BRL	BRL
Methyl Isobutyl Ketone (MI	ug/l	50,000	50,000	100,000		<25	BRL	BRL	<5.0	BRL	BRL	<25	BRL	BRL	<5.0	BRL	BRL	BRL	BRL	BRL	BRL
Methyl tert-Butyl Ether (MTB	ug/l	50,000	50,000	100,000		<10	<1	<1	<2.0	<1	<1	<10	<1	<4	<2.0	<1	<1	BRL	<1	<1	BRL
Methylene Chloride	ug/l	2,000	50,000	100,000		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	ug/l	700	20,000	100,000		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
n-Butylbenzene	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
o-Xylene	ug/l	3,000	5,000	100,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
p-Isopropyltoluene	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Propylbenzene	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
sec-Butylbenzene	ug/l	NS	NS	NS		<10	<1	<1	<2.0	<1	<1	<10	<1	<4	<2.0	<1	<1	BRL	<1	<1	BRL
Styrene	ug/l	100	6,000	60,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
Tert-amyl methyl ether	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
tert-Butylbenzene	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Tetrachloroethene	ug/l	50	30,000	100,000		**340**	**94**	**42**	**34**	**41**	**25**	**600**	**140**	**86**	**88**	**2.9**	<1	<1.0	<1	<1	<1.0
Tetrahydrofuran	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Toluene	ug/l	50,000	40,000	100,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
trans-1,2-Dichloroethene	ug/l	80	50,000	100,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
trans-1,3-Dichloropropene	ug/l	NS	NS	NS		<2.0	BRL	BRL	<0.40	BRL	BRL	<2.0	BRL	BRL	<0.40	BRL	BRL	BRL	BRL	BRL	BRL
Trichloroethene	ug/l	5	5,000	50,000		**500**	**22**	**15**	**9.7**	**16**	**15**	**280**	**21**	**16**	**16**	<1	<1	<1.0	<1	<1	<1.0
Trichlorofluoromethane	ug/l	NS	NS	NS		<10	BRL	BRL	<2.0	BRL	BRL	<10	BRL	BRL	<2.0	BRL	BRL	BRL	BRL	BRL	BRL
Vinyl Chloride	ug/l	2	50,000	100,000		<5.0	<2	<2	<1.0	<2	<2	<5.0	<2	<8	<1.0	<2	<2	<2.0	<2	<2	<2.0
Xylenes	ug/l	3,000	5,000	100,000		<5.0	BRL	BRL	<1.0	BRL	BRL	<5.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
EPA Methods 6010/6020/7471																					
Antimony	ug/l	NS	8,000	80,000		BRL	**2.4**	BRL	BRL	<1	BRL	BRL	<1	BRL	BRL	**1**	BRL	BRL	<1	BRL	BRL
Antimony, Dissolved	ug/l	NS	8,000	80,000		<4.0	BRL	BRL	<4.0	BRL	BRL	<4.0	BRL	BRL	<4.0	BRL	BRL	BRL	BRL	BRL	BRL
Arsenic	ug/l	NS	900	9,000		BRL	**4.5**	BRL	BRL	**0.92**	BRL	BRL	<0.4	BRL	BRL	**17**	BRL	BRL	**1.8**	BRL	BRL
Arsenic, Dissolved	ug/l	NS	900	9,000		<5.0	BRL	BRL	<5.0	BRL	BRL	<5.0	BRL	BRL	<5.0	BRL	BRL	BRL	BRL	BRL	BRL
Barium	ug/l	NS	50,000	100,000		BRL	**86**	BRL	BRL	**120**	BRL	BRL	**150**	BRL	BRL	**46**	BRL	BRL	**72**	BRL	BRL
Barium, Dissolved	ug/l	NS	50,000	100,000		<10.0	BRL	BRL	**48**	BRL	BRL	**26.4**	BRL	BRL	**117**	BRL	BRL	BRL	BRL	BRL	BRL
Beryllium	ug/l	NS	200	2,000		BRL	**0.45**	BRL	BRL	<0.4	BRL	BRL	**2.3**	BRL	BRL	<0.4	BRL	BRL	<0.4	BRL	BRL
Beryllium, Dissolved	ug/l	NS	200	2,000		**9.6**	BRL	BRL	<0.5	BRL	BRL	**3.2**	BRL	BRL	**1.7**	BRL	BRL	BRL	BRL	BRL	BRL
Cadmium	ug/l	NS	4	50		BRL	**0.57**	BRL	BRL	<0.5	BRL	BRL	<0.5	BRL	BRL	<0.5	BRL	BRL	<0.5	BRL	BRL
Cadmium, Dissolved	ug/l	NS	4	50		<4.0	BRL	BRL	<4.0	BRL	BRL	<4.0	BRL	BRL	<4.0	BRL	BRL	BRL	BRL	BRL	BRL
Chromium	ug/l	NS	300	3,000		BRL	**10**	BRL	BRL	<1	BRL	BRL	<1	BRL	BRL	<1	BRL	BRL	<1	BRL	BRL
Chromium, Dissolved	ug/l	NS	300	3,000		<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL	BRL	BRL	BRL	BRL
Copper	ug/l	NS	NS	NS		BRL	**26**	BRL	BRL	**26**	BRL	BRL	**22**	BRL	BRL	**7**	BRL	BRL	<5	BRL	BRL
Lead	ug/l	NS	10	150		BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Lead, Dissolved	ug/l	NS	10	150		<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL	BRL	BRL	BRL	BRL
Nickel	ug/l	NS	200	2,000		BRL	**51**	BRL	BRL	<5	BRL	BRL	<5	BRL	BRL	<5	BRL	BRL	<5	BRL	BRL
Nickel, Dissolved	ug/l	NS	200	2,000		<25.0	BRL	BRL	**109**	BRL	BRL	<25.0	BRL	BRL	<25.0	BRL	BRL	BRL	BRL	BRL	BRL
Selenium, Dissolved	ug/l	NS	100	1,000		<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL	BRL	BRL	BRL	BRL
Silver, Dissolved	ug/l	NS	7	1,000		<7.0	BRL	BRL	<7.0	BRL	BRL	<7.0	BRL	BRL	<7.0	BRL	BRL	BRL	BRL	BRL	BRL
Thallium	ug/l	NS	3,000	30,000		BRL	**0.24**	BRL	BRL	<0.2	BRL	BRL	<0.2	BRL	BRL	<0.2	BRL	BRL	<0.2	BRL	BRL
Thallium, Dissolved	ug/l	NS	3,000	30,000		<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	<1.0	BRL	BRL	BRL	BRL	BRL	BRL
Vanadium, Dissolved	ug/l	NS	4,000	40,000		<10.0	BRL	BRL	**38.1**	BRL	BRL	<10.0	BRL	BRL	<10.0	BRL	BRL	BRL	BRL	BRL	BRL
Zinc	ug/l	NS	900	50,000		BRL	**21**	BRL	BRL	**11**	BRL	BRL	**18**	BRL	BRL	<10	BRL	BRL	<10	BRL	BRL
Zinc, Dissolved	ug/l	NS	900	50,000		<50.0	BRL	BRL	<50.0	BRL	BRL	<50.0	BRL	BRL	<50.0	BRL	BRL	BRL	BRL	BRL	BRL

TABLE 9
SUMMARY OF GROUNDWATER EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

		Massachusetts Contingency Plan Method 1 Groundwater Standards			Sample ID		MW-104S			MW-105D			MW-105S			MW-106D			MW-106S		
		GW-2	GW-3	UCL GW	Date	5/31/2023	5/15/2013	8/20/2013	5/30/2023	5/15/2013	8/20/2013	5/30/2023	5/15/2013	8/20/2013	5/31/2023	5/15/2013	8/21/2013	5/4/2015	5/15/2013	8/21/2013	5/5/2015
EPH (MADEP Method)																					
2-Methylnaphthalene	ug/l	2,000	20,000	100,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
Acenaphthene	ug/l	NS	10,000	100,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
Acenaphthylene	ug/l	10,000	40	100,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
Anthracene	ug/l	NS	30	600		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(a)anthracene	ug/l	NS	1,000	10,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(a)pyrene	ug/l	NS	500	5,000		<0.200	BRL	BRL	<0.200	BRL	BRL	<0.200	BRL	BRL	<0.200	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(b)fluoranthene	ug/l	NS	400	4,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(g,h,i)perylene	ug/l	NS	20	500		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
Benzo(k)fluoranthene	ug/l	NS	100	1,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
Chrysene	ug/l	NS	70	700		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
Dibenz(a,h)anthracene	ug/l	NS	40	400		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
Fluoranthene	ug/l	NS	200	2,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
Fluorene	ug/l	NS	40	400		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
Indeno(1,2,3-c,d)pyrene	ug/l	NS	100	1,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	ug/l	700	20,000	100,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
Phenanthrene	ug/l	NS	10,000	100,000		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
Pyrene	ug/l	NS	20	600		<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	<0.400	BRL	BRL	BRL	BRL	BRL	BRL
C11-C22 Aromatics	ug/l	50,000	5,000	100,000		<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL
C19-C36 Aliphatics	ug/l	NS	50,000	100,000		<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL
C9-C18 Aliphatics	ug/l	5,000	50,000	100,000		<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL
unadjusted C11-C22 Arom	ug/l	NS	NS	NS		<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL
VPH (MADEP Method)																					
Benzene	ug/l	1,000	10,000	100,000		<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	BRL	BRL	BRL	BRL
Ethylbenzene	ug/l	20,000	5,000	100,000		<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	BRL	BRL	BRL	BRL
m,p-Xylenes	ug/l	3,000	5,000	100,000		<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	BRL	BRL	BRL	BRL
Methyl tert-Butyl Ether (MTE	ug/l	50,000	50,000	100,000		<3.00	BRL	BRL	<3.00	BRL	BRL	<3.00	BRL	BRL	<3.00	BRL	BRL	BRL	BRL	BRL	BRL
o-Xylene	ug/l	3,000	5,000	100,000		<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	BRL	BRL	BRL	BRL
Toluene	ug/l	50,000	40,000	100,000		<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	<2.00	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	ug/l	700	20,000	100,000		<4.00	BRL	BRL	<4.00	BRL	BRL	<4.00	BRL	BRL	<4.00	BRL	BRL	BRL	BRL	BRL	BRL
C5-C8 Aliphatics	ug/l	3,000	50,000	100,000		**225**	BRL	BRL	<100	BRL	BRL	**192**	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL
C9-C10 Aromatics	ug/l	4,000	50,000	100,000		<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL
C9-C12 Aliphatics	ug/l	5,000	50,000	100,000		<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL
unadjusted C5-C8 Aliphat	ug/l	NS	NS	NS		**225**	BRL	BRL	<100	BRL	BRL	**192**	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL
unadjusted C9-C12 Alipho	ug/l	NS	NS	NS		<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	<100	BRL	BRL	BRL	BRL	BRL	BRL

Notes:
ug/L - microgram per liter
BRL - Compound not detected above laboratory reporting limit, or sample not analyze
< - indicates the compound was not detected at a concentrations greater than the pı
NS - No Standard
Bold - Compound detected above laboratory reporting limit.
Shaded Cell - Detected concentration exceeds one or more of the following criteria:

GW-2 - 2019 MCP Method 1 GW-2 Standard
GW-3 - 2019 MCP Method 1 GW-3 Standard
UCL - GW - MA Upper Concentration Limit for Groundwater

TABLE 9
SUMMARY OF GROUNDWATER EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

		Massachusetts Contingency Plan Method 1 Groundwater Standards			Sample ID	MW-201D	MW-202D	MW-201	MW-203	MW-203D	MW-204	MW-204D	EPC
		GW-2	GW-3	UCL GW	Date	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	
8260													
1,1,1,2-Tetrachloroethane	ug/l	10	50,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0	<5.0
1,1,1-Trichloroethane	ug/l	4,000	20,000	100,000		<1.0	**37**	<1.0	<1.0	**36**	<1.0	<1.0	**37**
1,1,2,2-Tetrachloroethane	ug/l	9	50,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0	<10
1,1,2-Trichloroethane	ug/l	900	50,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0	**1.3**
1,1-Dichloroethane	ug/l	2,000	20,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0	<10
1,1-Dichloroethene	ug/l	80	30,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0	<10
1,1-Dichloropropene	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
1,2,3-Trichlorobenzene	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
1,2,3-Trichloropropane	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
1,2,4-Trichlorobenzene	ug/l	200	50,000	100,000		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
1,2,4-Trimethylbenzene	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
1,2-Dichlorobenzene	ug/l	8,000	2,000	80,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0	<10
1,2-Dichloroethane	ug/l	5	20,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0	<10
1,2-Dichloroethene	ug/l	NS	NS	NS		<1.0	<4.0	<1.0	**2**	<10	<1.0	<1.0	**14**
1,2-Dichloropropane	ug/l	3	50,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0	<10
1,3,5-Trimethylbenzene	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
1,3-Dichlorobenzene	ug/l	6,000	50,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0	<10
1,3-Dichloropropane	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
1,3-Dichloropropene	ug/l	10	200	2,000		<0.40	<1.6	<0.40	<0.40	<4.0	<0.40	<0.40	<4.0
1,4-Dichlorobenzene	ug/l	60	8,000	80,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0	<10
1,4-Dioxane	ug/l	6,000	50,000	100,000		<250	<1000	<250	<250	<2500	<250	<250	<2500
2,2-Dichloropropane	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
2-Chlorotoluene	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
2-Hexanone	ug/l	NS	NS	NS		<5.0	<20	<5.0	<5.0	<50	<5.0	<5.0	<50
4-Chlorotoluene	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
Acetone	ug/l	50,000	50,000	100,000		<5.0	<20	<5.0	<5.0	<50	<5.0	<5.0	<50
Benzene	ug/l	1,000	10,000	100,000		<0.50	<2.0	<0.50	<0.50	<5.0	<0.50	<0.50	<5.0
Bromobenzene	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
Bromochloromethane	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
Bromodichloromethane	ug/l	6	50,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0	<10
Bromoform	ug/l	700	50,000	100,000		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
Bromomethane	ug/l	7	800	8,000		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
Carbon Disulfide	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
Carbon Tetrachloride	ug/l	2	5,000	50,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0	<10
Chlorobenzene	ug/l	200	1,000	10,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0	<10
Chloroethane	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
Chloroform	ug/l	50	20,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0	<10
Chloromethane	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
cis-1,2-Dichloroethene	ug/l	20	50,000	100,000		<1.0	<4.0	<1.0	**2**	<10	<1.0	<1.0	**14**
cis-1,3-Dichloropropene	ug/l	NS	NS	NS		<0.40	<1.6	<0.40	<0.40	<4.0	<0.40	<0.40	<4.0
Dibromochloromethane	ug/l	20	50,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0	<10
Dibromochloropropane (D	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
Dibromomethane	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
Dichlorodifluoromethane	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
Diisopropyl Ether	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
Ethyl Ether	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
Ethyl tert-butyl ether	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20

TABLE 9
SUMMARY OF GROUNDWATER EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

		Massachusetts Contingency Plan Method 1 Groundwater Standards			Sample ID	MW-201D	MW-202D	MW-201	MW-203	MW-203D	MW-204	MW-204D	EPC
		GW-2	GW-3	UCL GW	Date	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	
Ethylbenzene	ug/l	20,000	5,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0	<10
Ethylene Dibromide (EDB)	ug/l	2	50,000	100,000		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
Hexachlorobutadiene	ug/l	50	3,000	30,000		<0.60	<2.4	<0.60	<0.60	<6.0	<0.60	<0.60	<6.0
Isopropylbenzene	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
m,p-Xylenes	ug/l	3,000	5,000	100,000		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
Methyl ethyl Ketone	ug/l	50,000	50,000	100,000		<5.0	<20	<5.0	<5.0	<50	<5.0	<5.0	<50
Methyl Isobutyl Ketone (MI	ug/l	50,000	50,000	100,000		<5.0	<20	<5.0	<5.0	<50	<5.0	<5.0	<50
Methyl tert-Butyl Ether (MTB	ug/l	50,000	50,000	100,000		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
Methylene Chloride	ug/l	2,000	50,000	100,000		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
Naphthalene	ug/l	700	20,000	100,000		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
n-Butylbenzene	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
o-Xylene	ug/l	3,000	5,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0	<10
p-Isopropyltoluene	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
Propylbenzene	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
sec-Butylbenzene	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	**3.2**
Styrene	ug/l	100	6,000	60,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0	<10
Tert-amyl methyl ether	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
tert-Butylbenzene	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
Tetrachloroethene	ug/l	50	30,000	100,000		<1.0	**29**	<1.0	**15**	**370**	**4.6**	<1.0	**600**
Tetrahydrofuran	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
Toluene	ug/l	50,000	40,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0	<10
trans-1,2-Dichloroethene	ug/l	80	50,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0	<10
trans-1,3-Dichloropropene	ug/l	NS	NS	NS		<0.40	<1.6	<0.40	<0.40	<4.0	<0.40	<0.40	<4.0
Trichloroethene	ug/l	5	5,000	50,000		<1.0	**440**	<1.0	**23**	**890**	**16**	<1.0	**890**
Trichlorofluoromethane	ug/l	NS	NS	NS		<2.0	<8.0	<2.0	<2.0	<20	<2.0	<2.0	<20
Vinyl Chloride	ug/l	2	50,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0	**1.6**
Xylenes	ug/l	3,000	5,000	100,000		<1.0	<4.0	<1.0	<1.0	<10	<1.0	<1.0	<10
EPA Methods 6010/6020/7471													
Antimony	ug/l	NS	8,000	80,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	**2.4**
Antimony, Dissolved	ug/l	NS	8,000	80,000		<4.0	<4.0	**7.3**	<4.0	<4.0	<4.0	<4.0	**7.3**
Arsenic	ug/l	NS	900	9,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	**17**
Arsenic, Dissolved	ug/l	NS	900	9,000		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Barium	ug/l	NS	50,000	100,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	**830**
Barium, Dissolved	ug/l	NS	50,000	100,000		**128**	**78.4**	**113**	**88.1**	**85.3**	**123**	**164**	**164**
Beryllium	ug/l	NS	200	2,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	**18**
Beryllium, Dissolved	ug/l	NS	200	2,000		**1.8**	**0.6**	<0.5	<0.5	**1.9**	<0.5	<0.5	**9.6**
Cadmium	ug/l	NS	4	50		BRL	BRL	BRL	BRL	BRL	BRL	BRL	**3.4**
Cadmium, Dissolved	ug/l	NS	4	50		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Chromium	ug/l	NS	300	3,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	**92**
Chromium, Dissolved	ug/l	NS	300	3,000		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Copper	ug/l	NS	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	**73**
Lead	ug/l	NS	10	150		BRL	BRL	BRL	BRL	BRL	BRL	BRL	**1900**
Lead, Dissolved	ug/l	NS	10	150		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Nickel	ug/l	NS	200	2,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	**150**
Nickel, Dissolved	ug/l	NS	200	2,000		<25.0	<25.0	**63.4**	**125**	<25.0	<25.0	<25.0	**125**
Selenium, Dissolved	ug/l	NS	100	1,000		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Silver, Dissolved	ug/l	NS	7	1,000		<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0
Thallium	ug/l	NS	3,000	30,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	**0.49**
Thallium, Dissolved	ug/l	NS	3,000	30,000		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium, Dissolved	ug/l	NS	4,000	40,000		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	**38.1**
Zinc	ug/l	NS	900	50,000		BRL	BRL	BRL	BRL	BRL	BRL	BRL	**730**
Zinc, Dissolved	ug/l	NS	900	50,000		<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	**73.4**

TABLE 9
SUMMARY OF GROUNDWATER EXPOSURE POINT CONCENTRATIONS
21 Grove St, Franklin, MA
MassDEP Release Tracking Number 2-16694

		Massachusetts Contingency Plan Method 1 Groundwater Standards			Sample ID	MW-201D	MW-202D	MW-201	MW-203	MW-203D	MW-204	MW-204D	EPC
		GW-2	GW-3	UCL GW	Date	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	
EPH (MADEP Method)													
2-Methylnaphthalene	ug/l	2,000	20,000	100,000		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400
Acenaphthene	ug/l	NS	10,000	100,000		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400
Acenaphthylene	ug/l	10,000	40	100,000		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400
Anthracene	ug/l	NS	30	600		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400
Benzo(a)anthracene	ug/l	NS	1,000	10,000		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	**0.614**
Benzo(a)pyrene	ug/l	NS	500	5,000		<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	**0.596**
Benzo(b)fluoranthene	ug/l	NS	400	4,000		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	**0.698**
Benzo(g,h,i)perylene	ug/l	NS	20	500		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400
Benzo(k)fluoranthene	ug/l	NS	100	1,000		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400
Chrysene	ug/l	NS	70	700		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	**0.514**
Dibenz(a,h)anthracene	ug/l	NS	40	400		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400
Fluoranthene	ug/l	NS	200	2,000		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	**0.788**
Fluorene	ug/l	NS	40	400		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400
Indeno(1,2,3-c,d)pyrene	ug/l	NS	100	1,000		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	**0.444**
Naphthalene	ug/l	700	20,000	100,000		<0.400	<0.400	<0.400	**0.422**	<0.400	<0.400	<0.400	**0.592**
Phenanthrene	ug/l	NS	10,000	100,000		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400
Pyrene	ug/l	NS	20	600		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	**0.778**
C11-C22 Aromatics	ug/l	50,000	5,000	100,000		<100	<100	<100	<100	<100	<100	<100	**135**
C19-C36 Aliphatics	ug/l	NS	50,000	100,000		<100	<100	<100	<100	<100	<100	<100	<0.400
C9-C18 Aliphatics	ug/l	5,000	50,000	100,000		<100	<100	**111**	<100	<100	<100	<100	**111**
unadjusted C11-C22 Arom	ug/l	NS	NS	NS		<100	<100	<100	<100	<100	<100	<100	**135**
VPH (MADEP Method)													
Benzene	ug/l	1,000	10,000	100,000		<2.00	<2.00	<2.00	<2.00	<4.00	<2.00	<2.00	<4.00
Ethylbenzene	ug/l	20,000	5,000	100,000		<2.00	<2.00	<2.00	<2.00	<4.00	<2.00	<2.00	<4.00
m,p-Xylenes	ug/l	3,000	5,000	100,000		<2.00	<2.00	<2.00	<2.00	<4.00	<2.00	<2.00	<4.00
Methyl tert-Butyl Ether (MTE	ug/l	50,000	50,000	100,000		<3.00	<3.00	<3.00	<3.00	<6.00	<3.00	<3.00	<6.00
o-Xylene	ug/l	3,000	5,000	100,000		<2.00	<2.00	<2.00	<2.00	<4.00	<2.00	<2.00	<4.00
Toluene	ug/l	50,000	40,000	100,000		<2.00	<2.00	<2.00	<2.00	<4.00	<2.00	<2.00	<4.00
Naphthalene	ug/l	700	20,000	100,000		<4.00	<4.00	<4.00	<4.00	<8.00	<4.00	<4.00	<8.00
C5-C8 Aliphatics	ug/l	3,000	50,000	100,000		<100	**154**	<100	<100	**391**	<100	<100	**391**
C9-C10 Aromatics	ug/l	4,000	50,000	100,000		<100	<100	<100	<100	<200	<100	<100	<200
C9-C12 Aliphatics	ug/l	5,000	50,000	100,000		<100	<100	**178**	<100	<200	<100	<100	**178**
unadjusted C5-C8 Aliphat	ug/l	NS	NS	NS		<100	**154**	<100	<100	**391**	<100	<100	**391**
unadjusted C9-C12 Alipho	ug/l	NS	NS	NS		<100	<100	**178**	<100	<200	<100	<100	**178**

Notes:
ug/L - microgram per liter
BRL - Compound not detected above laboratory reporting limit, or sample not analyze
< - indicates the compound was not detected at a concentrations greater than the pı
NS - No Standard
Bold - Compound detected above laboratory reporting limit.
Shaded Cell - Detected concentration exceeds one or more of the following criteria:

GW-2 - 2019 MCP Method 1 GW-2 Standard
GW-3 - 2019 MCP Method 1 GW-3 Standard
UCL - GW - MA Upper Concentration Limit for Groundwater

Table 10
SUMMARY OF SEDIMENT EXPOSURE POINT CONCENTRATIONS
21 Grove Street, Franklin, MA
MassDEP Release Tracking Number (RTN) 2-16694

Parameter	Units	EPA Region 3 FW SSB	MADEP Stage 1 SSC	Sample ID	SD-01	SD-02	SD-03	SD-03	SD-04	SD-05
				lab ID	SD-01 841070426-06	SD-02 841070426-07	SD-03 841070426-08	SD-03 841070426-09 DUP	SD-04 841070426-10	SD-05* 937071025-01
				Depth	0 - 0.2 ft	0 - 0.2 ft	0 - 0.2 ft	0 - 0.2 ft	0 - 0.2 ft	0 - 0.25 ft
				Date	4/26/2007	4/26/2007	4/26/2007	4/26/2007	4/26/2007	10/25/2007
8260										
1,1,1,2-Tetrachloroethane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,1,1-Trichloroethane	mg/kg	0.03	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,1,2,2-Tetrachloroethane	mg/kg	1.36452	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,1,2-Trichloroethane	mg/kg	1.243401	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloroethane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloroethene	mg/kg	0.03	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloropropene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichlorobenzene	mg/kg	0.858361	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichloropropane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trimethylbenzene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloroethane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloroethene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloropropane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichloropropane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichloropropene	mg/kg	0.00	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dioxane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
2,2-Dichloropropane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
2-Chlorotoluene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
2-Hexanone	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
4-Chlorotoluene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Acetone	mg/kg	NS	NS		<0.0052	<0.0054	<0.0046	<0.0051	**0.0078**	BRL
Benzene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Bromobenzene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Bromochloromethane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Bromodichloromethane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Bromomethane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Carbon Disulfide	mg/kg	0.00	NS		BRL	BRL	BRL	BRL	BRL	BRL
Carbon Tetrachloride	mg/kg	0.06	NS		BRL	BRL	BRL	BRL	BRL	BRL
Chlorobenzene	mg/kg	0.01	NS		BRL	BRL	BRL	BRL	BRL	BRL
Chloroethane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Chloroform	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Chloromethane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
cis-1,2-Dichloroethene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
cis-1,3-Dichloropropene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Dibromochloromethane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Dibromomethane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Dichlorodifluoromethane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Diisopropyl Ether	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Ethyl Ether	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Ethyl tert-butyl ether	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Ethylbenzene	mg/kg	1.099367	NS		BRL	BRL	BRL	BRL	BRL	BRL
m,p-Xylenes	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Methyl Isobutyl Ketone (MIBK)	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Methyl tert-Butyl Ether (MTBE)	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Methylene Chloride	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
n-Butylbenzene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL

Table 10
SUMMARY OF SEDIMENT EXPOSURE POINT CONCENTRATIONS
21 Grove Street, Franklin, MA
MassDEP Release Tracking Number (RTN) 2-16694

Parameter	Units	EPA Region 3 FW SSB	MADEP Stage 1 SSC	Sample ID	SD-01	SD-02	SD-03	SD-03	SD-04	SD-05
				lab ID	SD-01 841070426-06	SD-02 841070426-07	SD-03 841070426-08	SD-03 841070426-09 DUP	SD-04 841070426-10	SD-05* 937071025-01
				Depth	0 - 0.2 ft	0 - 0.2 ft	0 - 0.2 ft	0 - 0.2 ft	0 - 0.2 ft	0 - 0.25 ft
				Date	4/26/2007	4/26/2007	4/26/2007	4/26/2007	4/26/2007	10/25/2007
o-Xylene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
p-Isopropyltoluene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Propylbenzene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
sec-Butylbenzene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Styrene	mg/kg	0.5592842	NS		BRL	BRL	BRL	BRL	BRL	BRL
Tert-amyl methyl ether	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
tert-Butylbenzene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Tetrachloroethene	mg/kg	0.4679646	NS		**0.0076**	**0.037**	<0.0046	<0.0051	<0.0045	BRL
Tetrahydrofuran	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Toluene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
trans-1,2-Dichloroethene	mg/kg	1.051627	NS		BRL	BRL	BRL	BRL	BRL	BRL
trans-1,3-Dichloropropene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Trichloroethene	mg/kg	0.10	NS		<0.0052	**0.012**	<0.0046	<0.0051	<0.0045	BRL
Trichlorofluoromethane	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Vinyl Chloride	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Xylenes	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trichlorobenzene	mg/kg	2.100493	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichlorobenzene	mg/kg	0.02	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,3,5-Trimethylbenzene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichlorobenzene	mg/kg	4.429567	NS		BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dichlorobenzene	mg/kg	0.5985678	NS		BRL	BRL	BRL	BRL	BRL	BRL
Bromoform	mg/kg	0.6538528	NS		BRL	BRL	BRL	BRL	BRL	BRL
Hexachlorobutadiene	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Isopropylbenzene	mg/kg	0.09	NS		BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	mg/kg	NS	0.18		BRL	BRL	BRL	BRL	BRL	BRL
Methyl ethyl Ketone	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Dibromochloropropane (DBCP)	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Ethylene Dibromide (EDB)	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
EPA Methods 6010/6020/7471										
Antimony	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Arsenic	mg/kg	NS	33		<0.31	**0.75**	<0.30	**1.2**	<0.30	BRL
Barium	mg/kg	NS	NS		**15**	**20**	**22**	**16**	**9**	BRL
Beryllium	mg/kg	NS	NS		**0.13**	**0.16**	**0.16**	**0.15**	**0.15**	BRL
Cadmium	mg/kg	NS	5		**0.14**	**0.13**	**0.16**	**0.14**	**0.14**	BRL
Chromium	mg/kg	NS	110		**1.6**	**1.3**	**0.75**	**1.1**	**2.9**	BRL
Copper	mg/kg	NS	150		**7**	**6.1**	**1.8**	**1.9**	**3.2**	BRL
Lead	mg/kg	NS	130		**8.6**	**5.9**	**4.8**	**6.6**	**13**	BRL
Nickel	mg/kg	NS	49		**5.4**	**3.6**	**0.69**	**1.5**	**1.4**	BRL
Selenium	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Silver	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Thallium	mg/kg	NS	NS		**0.55**	**0.99**	**0.69**	<0.30	<0.30	BRL
Vanadium	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL
Zinc	mg/kg	NS	460		**23**	**18**	**15**	**16**	**12**	BRL

Table 10
SUMMARY OF SEDIMENT EXPOSURE POINT CONCENTRATIONS
21 Grove Street, Franklin, MA
MassDEP Release Tracking Number (RTN) 2-16694

Parameter	Units	EPA Region 3 FW SSB	MADEP Stage 1 SSC	Sample ID	SD-01	SD-02	SD-03	SD-03	SD-04	SD-05
				lab ID	SD-01 841070426-06	SD-02 841070426-07	SD-03 841070426-08	SD-03 841070426-09 DUP	SD-04 841070426-10	SD-05* 937071025-01
				Depth	0 - 0.2 ft	0 - 0.2 ft	0 - 0.2 ft	0 - 0.2 ft	0 - 0.2 ft	0 - 0.25 ft
				Date	4/26/2007	4/26/2007	4/26/2007	4/26/2007	4/26/2007	10/25/2007
EPH (MADEP Method)										
Acenaphthylene	mg/kg	NS	NS		**0.14**	<0.120	<0.120	<0.120	<0.120	**0.077**
Anthracene	mg/kg	NS	0.057		**0.16**	<0.120	<0.120	<0.120	<0.120	**0.34**
Benzo(a)anthracene	mg/kg	NS	0.11		**0.33**	<0.120	<0.120	<0.120	<0.120	**0.44**
Benzo(a)pyrene	mg/kg	NS	0.15		<0.120	<0.120	<0.120	<0.120	<0.120	**0.33**
Benzo(b)fluoranthene	mg/kg	NS	NS		**0.12**	<0.120	<0.120	<0.120	<0.120	**0.47**
Benzo(k)fluoranthene	mg/kg	NS	NS		**0.14**	<0.120	<0.120	<0.120	<0.120	**0.39**
Chrysene	mg/kg	NS	0.17		<0.120	<0.120	<0.120	<0.120	<0.120	**0.48**
Dibenz(a,h)anthracene	mg/kg	NS	0.033		<0.120	<0.120	<0.120	<0.120	<0.120	**0.046**
Fluoranthene	mg/kg	NS	0.42		**0.82**	<0.120	<0.120	<0.120	<0.120	**0.89**
Fluorene	mg/kg	NS	0.077		<0.120	<0.120	<0.120	<0.120	<0.120	<0.038
Indeno(1,2,3-c,d)pyrene	mg/kg	NS	NS		<0.120	<0.120	<0.120	<0.120	<0.120	**0.11**
Phenanthrene	mg/kg	NS	0.2		**0.23**	<0.120	<0.120	<0.120	<0.120	<0.038
Pyrene	mg/kg	NS	0.2		**0.45**	<0.120	<0.120	<0.120	<0.120	**0.74**
C11-C22 Aromatics	mg/kg	NS	NS		**14**	<12.000	<12.000	<12.000	<12.000	BRL
C19-C36 Aliphatics	mg/kg	NS	NS		**20**	<12.000	<12.000	<12.000	<12.000	BRL

Notes:
BRL - Compound not detected above laboratory reporting limit, or sample not analyzed for compound.
NS - No Standard
EPC - Exposure point concentration
mg/kg - milligram per kilogram
< - indicates the compound was not detected at a concentrations greater than the provided laboratory reporting limit.
1/2 of the laboratory method detection limit was used for EPC calculations for samples not
detected at a concentrations greater than the provided laboratory reporting limit.
Bold - Compound detected above laboratory reporting limit.
Shaded Cell - Detected concentration exceeds one or more of the following criteria:

EPA Region 3 FW SSB - EPA Region 3 Freshwater Sediment Screening Benchmarks	
MADEP Stage 1 SSC - MADEP Stage 1 Sediment Screening Criteria	

Table 10
SUMMARY OF SEDIMENT EXPOSURE POINT CONCENTRATIONS
21 Grove Street, Franklin, MA
MassDEP Release Tracking Number (RTN) 2-16694

Parameter	Units	EPA Region 3 FW SSB	MADEP Stage 1 SSC	Sample ID	SD-05	SD-06	SD-07	SED-101	SED-102	SED-103	SED-104	EPC
				lab ID	SD-05* 937071025-02	SD-06* 937071025-04	SD-07* 937071025-03	L2356258-01	L2356258-02	L2356258-03	L2356258-04	
				Depth	0 - 0.25 ft	0 - 0.25 ft	0 - 0.25 ft	0 - 0.25 ft	0 - 0.25 ft	0 - 0.25 ft	0 - 0.25 ft	
				Date	10/25/2007	10/25/2007	10/25/2007	9/22/2023	9/22/2023	9/22/2023	9/22/2023	
8260												
1,1,1,2-Tetrachloroethane	mg/kg	NS	NS		BRL	BRL	BRL	<0.00034	<0.00031	<0.00028	<0.00030	0.0002
1,1,1-Trichloroethane	mg/kg	0.03	NS		BRL	BRL	BRL	<0.00034	<0.00031	<0.00028	<0.00030	0.0002
1,1,2,2-Tetrachloroethane	mg/kg	1.36452	NS		BRL	BRL	BRL	<0.00034	<0.00031	<0.00028	<0.00030	0.0002
1,1,2-Trichloroethane	mg/kg	1.243401	NS		BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059	0.0003
1,1-Dichloroethane	mg/kg	NS	NS		BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059	0.0003
1,1-Dichloroethene	mg/kg	0.03	NS		BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059	0.0003
1,1-Dichloropropene	mg/kg	NS	NS		BRL	BRL	BRL	<0.00034	<0.00031	<0.00028	<0.00030	0.0002
1,2,3-Trichlorobenzene	mg/kg	0.858361	NS		BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012	0.0006
1,2,3-Trichloropropane	mg/kg	NS	NS		BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012	0.0006
1,2,4-Trimethylbenzene	mg/kg	NS	NS		BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012	0.0006
1,2-Dichloroethane	mg/kg	NS	NS		BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059	0.0003
1,2-Dichloroethene	mg/kg	NS	NS		BRL	BRL	BRL	<0.00069	**0.00063**	<0.00056	<0.00059	**0.0004**
1,2-Dichloropropane	mg/kg	NS	NS		BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059	0.0003
1,3-Dichloropropane	mg/kg	NS	NS		BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012	0.0006
1,3-Dichloropropene	mg/kg	0.00	NS		BRL	BRL	BRL	<0.00034	<0.00031	<0.00028	<0.00030	0.0002
1,4-Dioxane	mg/kg	NS	NS		BRL	BRL	BRL	<0.055	<0.050	<0.045	<0.047	0.0246
2,2-Dichloropropane	mg/kg	NS	NS		BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012	0.0006
2-Chlorotoluene	mg/kg	NS	NS		BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012	0.0006
2-Hexanone	mg/kg	NS	NS		BRL	BRL	BRL	<0.0069	<0.0062	<0.0056	<0.0059	0.0031
4-Chlorotoluene	mg/kg	NS	NS		BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012	0.0006
Acetone	mg/kg	NS	NS		BRL	BRL	BRL	**0.027**	**0.021**	<0.014	<0.015	**0.0089**
Benzene	mg/kg	NS	NS		BRL	BRL	BRL	<0.00034	<0.00031	<0.00028	<0.00030	0.0002
Bromobenzene	mg/kg	NS	NS		BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012	0.0006
Bromochloromethane	mg/kg	NS	NS		BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012	0.0006
Bromodichloromethane	mg/kg	NS	NS		BRL	BRL	BRL	<0.00034	<0.00031	<0.00028	<0.00030	0.0002
Bromomethane	mg/kg	NS	NS		BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012	0.0006
Carbon Disulfide	mg/kg	0.00	NS		BRL	BRL	BRL	<0.0069	<0.0062	<0.0056	<0.0059	0.0031
Carbon Tetrachloride	mg/kg	0.06	NS		BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059	0.0003
Chlorobenzene	mg/kg	0.01	NS		BRL	BRL	BRL	<0.00034	<0.00031	<0.00028	<0.00030	0.0002
Chloroethane	mg/kg	NS	NS		BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012	0.0006
Chloroform	mg/kg	NS	NS		BRL	BRL	BRL	<0.0010	<0.00093	<0.00084	<0.00088	0.0005
Chloromethane	mg/kg	NS	NS		BRL	BRL	BRL	<0.0028	<0.0025	<0.0022	<0.0024	0.0012
cis-1,2-Dichloroethene	mg/kg	NS	NS		BRL	BRL	BRL	<0.00069	**0.00063**	<0.00056	<0.00059	**0.0004**
cis-1,3-Dichloropropene	mg/kg	NS	NS		BRL	BRL	BRL	<0.00034	<0.00031	<0.00028	<0.00030	0.0002
Dibromochloromethane	mg/kg	NS	NS		BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059	0.0003
Dibromomethane	mg/kg	NS	NS		BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012	0.0006
Dichlorodifluoromethane	mg/kg	NS	NS		BRL	BRL	BRL	<0.0069	<0.0062	<0.0056	<0.0059	0.0031
Diisopropyl Ether	mg/kg	NS	NS		BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012	0.0006
Ethyl Ether	mg/kg	NS	NS		BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012	0.0006
Ethyl tert-butyl ether	mg/kg	NS	NS		BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012	0.0006
Ethylbenzene	mg/kg	1.099367	NS		BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059	0.0003
m,p-Xylenes	mg/kg	NS	NS		BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012	0.0006
Methyl Isobutyl Ketone (MIBK)	mg/kg	NS	NS		BRL	BRL	BRL	<0.0069	<0.0062	<0.0056	<0.0059	0.0031
Methyl tert-Butyl Ether (MTBE)	mg/kg	NS	NS		BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012	0.0006
Methylene Chloride	mg/kg	NS	NS		BRL	BRL	BRL	<0.0034	<0.0031	<0.0028	<0.0030	0.0015
n-Butylbenzene	mg/kg	NS	NS		BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059	0.0003

Table 10
SUMMARY OF SEDIMENT EXPOSURE POINT CONCENTRATIONS
21 Grove Street, Franklin, MA
MassDEP Release Tracking Number (RTN) 2-16694

Parameter	Units	EPA Region 3 FW SSB	MADEP Stage 1 SSC	Sample ID	SD-05	SD-06	SD-07	SED-101	SED-102	SED-103	SED-104	EPC
				lab ID	SD-05* 937071025-02	SD-06* 937071025-04	SD-07* 937071025-03	L2356258-01	L2356258-02	L2356258-03	L2356258-04	
				Depth	0 - 0.25 ft	0 - 0.25 ft	0 - 0.25 ft	0 - 0.25 ft	0 - 0.25 ft	0 - 0.25 ft	0 - 0.25 ft	
				Date	10/25/2007	10/25/2007	10/25/2007	9/22/2023	9/22/2023	9/22/2023	9/22/2023	
o-Xylene	mg/kg	NS	NS		BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059	0.0003
p-Isopropyltoluene	mg/kg	NS	NS		BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059	0.0003
Propylbenzene	mg/kg	NS	NS		BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059	0.0003
sec-Butylbenzene	mg/kg	NS	NS		BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059	0.0003
Styrene	mg/kg	0.5592842	NS		BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059	0.0003
Tert-amyl methyl ether	mg/kg	NS	NS		BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012	0.0006
tert-Butylbenzene	mg/kg	NS	NS		BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012	0.0006
Tetrachloroethene	mg/kg	0.4679646	NS		BRL	BRL	BRL	<0.00034	<0.00031	<0.00028	<0.00030	**0.0058**
Tetrahydrofuran	mg/kg	NS	NS		BRL	BRL	BRL	<0.0028	<0.0025	<0.0022	<0.0024	0.0012
Toluene	mg/kg	NS	NS		BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059	0.0003
trans-1,2-Dichloroethene	mg/kg	1.051627	NS		BRL	BRL	BRL	<0.0010	<0.00093	<0.00084	<0.00088	0.0005
trans-1,3-Dichloropropene	mg/kg	NS	NS		BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059	0.0003
Trichloroethene	mg/kg	0.10	NS		BRL	BRL	BRL	<0.00034	<0.00031	<0.00028	<0.00030	**0.0025**
Trichlorofluoromethane	mg/kg	NS	NS		BRL	BRL	BRL	<0.0028	<0.0025	<0.0022	<0.0024	0.0012
Vinyl Chloride	mg/kg	NS	NS		BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059	0.0003
Xylenes	mg/kg	NS	NS		BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059	0.0003
1,2,4-Trichlorobenzene	mg/kg	2.100493	NS		BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012	0.0006
1,2-Dichlorobenzene	mg/kg	0.02	NS		BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012	0.0006
1,3,5-Trimethylbenzene	mg/kg	NS	NS		BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012	0.0006
1,3-Dichlorobenzene	mg/kg	4.429567	NS		BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012	0.0006
1,4-Dichlorobenzene	mg/kg	0.5985678	NS		BRL	BRL	BRL	<0.0014	<0.0012	<0.0011	<0.0012	0.0006
Bromoform	mg/kg	0.6538528	NS		BRL	BRL	BRL	<0.0028	<0.0025	<0.0022	<0.0024	0.0012
Hexachlorobutadiene	mg/kg	NS	NS		BRL	BRL	BRL	<0.0028	<0.0025	<0.0022	<0.0024	0.0012
Isopropylbenzene	mg/kg	0.09	NS		BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059	0.0003
Naphthalene	mg/kg	NS	0.18		BRL	BRL	BRL	<0.0028	<0.0025	<0.0022	<0.0024	0.0012
Methyl ethyl Ketone	mg/kg	NS	NS		BRL	BRL	BRL	<0.0069	<0.0062	<0.0056	<0.0059	0.0031
Dibromochloropropane (DBCP)	mg/kg	NS	NS		BRL	BRL	BRL	<0.0021	<0.0019	<0.0017	<0.0018	0.0009
Ethylene Dibromide (EDB)	mg/kg	NS	NS		BRL	BRL	BRL	<0.00069	<0.00062	<0.00056	<0.00059	0.0003
EPA Methods 6010/6020/7471												
Antimony	mg/kg	NS	NS		BRL	BRL	BRL	<2.28	<2.34	<2.21	<2.24	1.13
Arsenic	mg/kg	NS	33		BRL	BRL	BRL	**0.92**	**6.9**	**2.84**	**12.3**	**2.82**
Barium	mg/kg	NS	NS		BRL	BRL	BRL	**15.7**	**17.4**	**37.2**	**27**	**19.92**
Beryllium	mg/kg	NS	NS		BRL	BRL	BRL	<0.228	<0.234	**0.365**	**0.391**	**0.19**
Cadmium	mg/kg	NS	5		BRL	BRL	BRL	<0.455	<0.468	<0.442	<0.448	**0.18**
Chromium	mg/kg	NS	110		BRL	BRL	BRL	**5.36**	**4.2**	**8.56**	**21.9**	**5.30**
Copper	mg/kg	NS	150		BRL	BRL	BRL	BRL	BRL	BRL	BRL	**4.00**
Lead	mg/kg	NS	130		BRL	BRL	BRL	**7.42**	**15**	**16.6**	**53**	**14.55**
Nickel	mg/kg	NS	49		BRL	BRL	BRL	**1.69**	**2.69**	**14**	**22.8**	**5.97**
Selenium	mg/kg	NS	NS		BRL	BRL	BRL	<2.28	<2.34	<2.21	<2.24	1.13
Silver	mg/kg	NS	NS		BRL	BRL	BRL	<0.455	<0.468	<0.442	<0.448	0.23
Thallium	mg/kg	NS	NS		BRL	BRL	BRL	<2.28	<2.34	<2.21	<2.24	0.79
Vanadium	mg/kg	NS	NS		BRL	BRL	BRL	**5.35**	**4.73**	**10.3**	**10.2**	**7.65**
Zinc	mg/kg	NS	460		BRL	BRL	BRL	**19.6**	**70.1**	**67**	**106**	**38.52**

Table 10
SUMMARY OF SEDIMENT EXPOSURE POINT CONCENTRATIONS
21 Grove Street, Franklin, MA
MassDEP Release Tracking Number (RTN) 2-16694

Parameter	Units	EPA Region 3 FW SSB	MADEP Stage 1 SSC	Sample ID	SD-05	SD-06	SD-07	SED-101	SED-102	SED-103	SED-104	EPC
				lab ID	SD-05* 937071025-02	SD-06* 937071025-04	SD-07* 937071025-03	L2356258-01	L2356258-02	L2356258-03	L2356258-04	
				Depth	0 - 0.25 ft	0 - 0.25 ft	0 - 0.25 ft	0 - 0.25 ft	0 - 0.25 ft	0 - 0.25 ft	0 - 0.25 ft	
				Date	10/25/2007	10/25/2007	10/25/2007	9/22/2023	9/22/2023	9/22/2023	9/22/2023	
EPH (MADEP Method)												
Acenaphthylene	mg/kg	NS	NS		**0.16**	**0.076**	**0.17**	BRL	BRL	BRL	BRL	**0.096**
Anthracene	mg/kg	NS	0.057		**0.28**	**0.058**	**0.098**	BRL	BRL	BRL	BRL	**0.340**
Benzo(a)anthracene	mg/kg	NS	0.11		<0.040	**0.4**	**0.92**	BRL	BRL	BRL	BRL	**0.920**
Benzo(a)pyrene	mg/kg	NS	0.15		**0.77**	**0.35**	**0.86**	BRL	BRL	BRL	BRL	**0.860**
Benzo(b)fluoranthene	mg/kg	NS	NS		**0.69**	**0.52**	**1.2**	BRL	BRL	BRL	BRL	**0.360**
Benzo(k)fluoranthene	mg/kg	NS	NS		**1**	**0.45**	**0.99**	BRL	BRL	BRL	BRL	**0.357**
Chrysene	mg/kg	NS	0.17		**1.1**	**0.5**	**1.2**	BRL	BRL	BRL	BRL	**1.200**
Dibenz(a,h)anthracene	mg/kg	NS	0.033		**0.1**	<0.040	**0.16**	BRL	BRL	BRL	BRL	**0.160**
Fluoranthene	mg/kg	NS	0.42		**2.5**	**0.81**	**2**	BRL	BRL	BRL	BRL	**2.500**
Fluorene	mg/kg	NS	0.077		**0.081**	<0.040	<0.046	BRL	BRL	BRL	BRL	**0.049**
Indeno(1,2,3-c,d)pyrene	mg/kg	NS	NS		**0.24**	**0.13**	**0.31**	BRL	BRL	BRL	BRL	**0.121**
Phenanthrene	mg/kg	NS	0.2		**1.3**	<0.040	<0.046	BRL	BRL	BRL	BRL	**0.204**
Pyrene	mg/kg	NS	0.2		**2.1**	**0.95**	**2**	BRL	BRL	BRL	BRL	**2.100**
C11-C22 Aromatics	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	**7.600**
C19-C36 Aliphatics	mg/kg	NS	NS		BRL	BRL	BRL	BRL	BRL	BRL	BRL	**8.800**

Notes:
BRL - Compound not detected above laboratory reporting limit, or sample not analyzed for compoun
NS - No Standard
EPC - Exposure point concentration
mg/kg - milligram per kilogram
< - indicates the compound was not detected at a concentrations greater than the provided laborat
1/2 of the laboratory method detection limit was used for EPC calculations for samples not detected at a concentrations greater than the provided laboratory reporting limit.
Bold - Compound detected above laboratory reporting limit.
Shaded Cell - Detected concentration exceeds one or more of the following criteria:

EPA Region 3 FW SSB - EPA Region 3 Freshwater Sediment Screening Benchmarks
MADEP Stage 1 SSC - MADEP Stage 1 Sediment Screening Criteria

Table 11
SUMMARY OF EXPOSURE POINT CONCENTRATIONS
21 Grove Street, Franklin, MA
MassDEP Release Tracking Number (RTN) 2-16694

Parameter	Units	USEPA Water Quality Criteria - Consumption of Organisms	USEPA Water Quality Criteria - Consumption of Water and Organisms	Sample ID	SW-01	SW-02	SW-03	SW-03	SW-04	EPC
				Lab ID	841070426-01	841070426-02	841070426-03	841070426-04	841070426-05	
				Date	4/26/2007	4/26/2007	4/26/2007	4/26/2007	4/26/2007	
EPA Methods 6010/6020/7471										
Barium	ug/l	NS	1,000		**86**	**85**	**84**	**83**	**83**	**86**
Copper	ug/l	NS	1,300		**4**	**2.3**	<2.0	**4.1**	**2.3**	**4.1**
Lead	ug/l	NS	NS		<2.0	<2.0	**3.3**	<2.0	<2.0	**3.3**
Zinc	ug/l	26,000	7,400		**18**	**17**	**17**	**16**	**15**	**18**
VPH (MADEP Method)										
Methyl tert-Butyl Ether (MTBE)	ug/l	NS	NS		<1.0	**1.1**	<1.0	**1.1**	<1.0	**1.1**

Notes:
BRL - Compound not detected above laboratory reporting limit, or sample not analyzed for compound.
NS - No Standard
ug/l - micrograms per liter
< - indicates the compound was not detected at a concentrations greater than the provided laboratory reporting limit.
Bold - Compound detected above laboratory reporting limit.
Shaded Cell - Detected concentration exceeds one or more of the following criteria:

USEPA Recommended Water Quality Criteria - Consumption of Organisms
USEPA Recommended Water Quality Criteria - Consumption of Water and Organisms

APPENDICES

APPENDIX A	**MASSDEP PHASE I SITE ASSESSMENT MAP**
APPENDIX B	**HISTORIC REPORTS**
APPENDIX C	**REQUEST FOR DETERMINATION OF APPLICABILITY**
APPENDIX D	**GEOPHYSICAL SURVEY REPORT**
APPENDIX E	**SOIL BORING AND MONITORING WELL CONSTRUCTION LOGS**
APPENDIX F	**NOTICE OF ENVIRONMENTAL SAMPLING**
APPENDIX G	**LABORATORY ANALYTICAL REPORTS**
APPENDIX H	**PUBLIC NOTIFICATION LETTER**

APPENDIX A

MASSDEP PHASE I SITE ASSESSMENT MAP

MassDEP - Bureau of Waste Site Cleanup

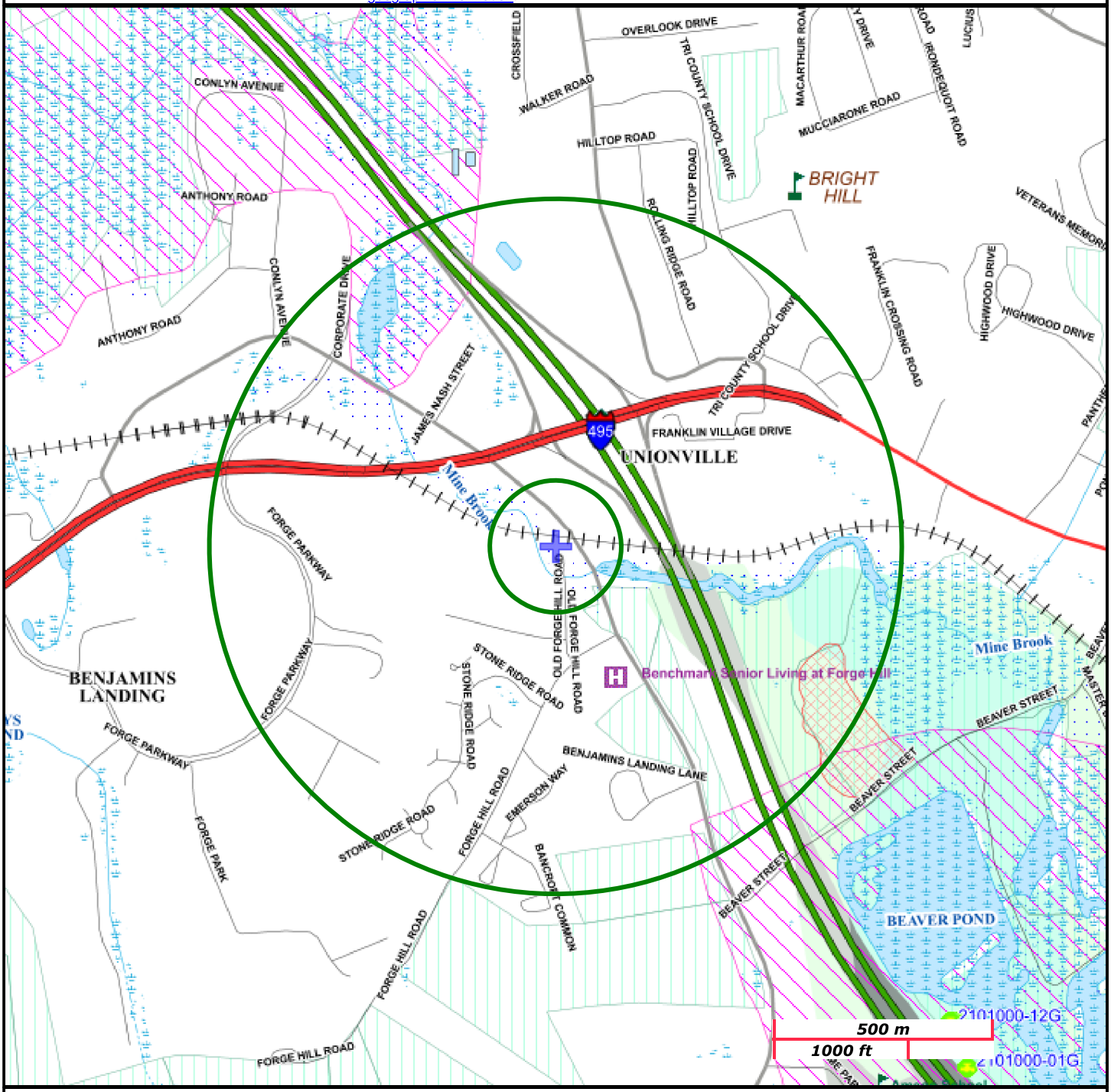
Phase 1 Site Assessment Map: 500 feet & 0.5 Mile Radii

Site Information:
NUSTYLE
21 GROVE STREET FRANKLIN, MA

NAD83 UTM Meters:
4662346mN , 299167mE (Zone: 19)
October 10, 2022

The information shown is the best available at the date of printing. However, it may be incomplete. The responsible party and LSP are ultimately responsible for ascertaining the true conditions surrounding the site. Metadata for data layers shown on this map can be found at: https://www.mass.gov/orgs/massgis-bureau-of-geographic-information.

MassDEP
Commonwealth of Massachusetts
Department of Environmental Protection



Roads: Limited Access, Divided, Other Hwy, Major Road, Minor Road, Track, Trail

Boundaries: Town, County, DEP Region; Train; Powerline; Pipeline; Aqueduct

Basins: Major, PWS; Streams: Perennial, Intermittent, Man Made Shore, Dam

Aquifers: Medium Yield, High Yield, EPA Sole Source

Non Potential Drinking Water Source Area: Medium, High (Yield)

PWS Protection Areas: Zone II, IWPA, Zone A

Hydrography: Open Water, PWS Reservoir, Tidal Flat

Wetlands: Freshwater, Saltwater, Cranberry Bog

FEMA 100yr Floodplain; Protected Open Space; ACEC

NHESP Pri-Hab of Rare Species; Vernal Pool: Cert., Potential

Solid Waste Landfill; PWS: Com.GW,SW, Emerg., Non-Com.

APPENDIX B

HISTORIC REPORTS

TATA & HOWARD

March 18, 2015

Mr. Bryan W. Taberner, AICP
Director of Planning and Community Development
Town of Franklin
355 East Central Street
Franklin, MA 02038

Subject: Results of Passive Soil Gas Survey
87 Grove Street
Franklin, Massachusetts
T&H No. 3969

Dear Mr. Taberner:

Tata & Howard (T&H) has prepared this letter summarizing the results of the passive soil gas analyses performed at the property located at 87 Grove Street in Franklin, Massachusetts ("Site"). The Site is identified by the Franklin Assessors as Lots 22 and 27 on Map 276. A total of 42 passive soil gas samplers were installed across the Site and abutting properties in an effort to identify possible onsite or offsite sources of hazardous material; 39 of the samplers were retrieved intact. Four of the samplers were frozen to the ground and could not be removed during the retrieval process. The samplers were installed in a grid pattern as shown on Figure No. 1, which is attached.

The samplers were allowed to collect vapors over a ten day period. Passive soil gas readings are actually the mass of contaminant in nanograms (ηg) that adsorbed onto the sampler, so the readings are not the concentration of the contaminant. Therefore, the readings do not correlate to reportable concentrations.

Compounds associated with chlorinated solvents were detected in the samplers and the results of selected compounds are plotted on Figures No. 2 and No. 3. A summary of these results follows:

- Figure No. 2 - Tetrachloroethylene (a.k.a. perchloroethylene or PCE). This plot shows the results for PCE, a chlorinated volatile organic compound (CVOC). The highest reading was found at VP-12, located to the east of the building on Lot 22, in the vicinity of the former raceway tunnel.

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Other Offices
MA | NH | CT | ME | VT | AZ

Elevated PCE readings were also detected at VP-1, VP-4, and VP-18. VP-1 is located to the west of the building on Lot 28, VP-4 is located in the northern portion of the Site, and VP-18 is located south of the building on Lot 22. VP-4 is near one of the areas where VOC contaminated soil was excavated and T&H is of the opinion that this soil gas result is likely attributed to residual VOC contamination. Based on the PCE data, there appear to be at least two residual source areas onsite: one in the northern portion and one in the western portion. Fuss & O'Neill, Inc. (Fuss & O'Neill) previously excavated soil from these areas and T&H is of the opinion that the soil gas data indicate that additional contaminated soil is present. The soil gas data also indicate that the groundwater plume appears to have migrated to the southwest and northwest under the adjoining buildings.

PCE was also detected at VP-39, which is located to the west of the southern abutting property building on Lot 26. T&H is of the opinion that this appears to be an isolated area with PCE vapor, and may indicate that the PCE detected in this soil gas sampler originates at Lot 26.

- Figure No. 3 - Trichloroethylene (TCE). This plot shows the results for TCE, a breakdown product of PCE. The highest result was detected at VP-1. In addition, elevated readings were detected at VP-4, VP-6, VP-12, and VP-18. These results support the opinion that there appears to be residual source areas onsite and the contamination appears to have migrated to the southwest and northwest under the adjoining buildings. The elevated TCE reading at VP-20 correlates with the area where Fuss & O'Neill excavated soil from near the southwest corner of the building. TCE was also detected in VP-23, VP-32, and VP-41, which may indicate that the contamination has migrated directly to the south beneath Lot 26.

T&H reviewed prior reports prepared for the Site to identify additional work that is necessary to complete the Phase II - Comprehensive Site Assessment (CSA) pursuant to the requirements of the Massachusetts Contingency Plan (MCP; 310 CMR 40.0000). T&H reviewed a *Phase I - Initial Site Investigation Report for the Former Nu-Style Property* prepared by Fuss & O'Neill dated May 2008. Fuss & O'Neil conducted an elevation survey of overburden groundwater at the Site and estimates that groundwater flows to the southwest toward Mine Brook. In a report titled *Limited Site Assessment Report*, dated July 2009, Fuss & O'Neill estimates the bedrock groundwater gradient using four bedrock wells to be to the southeast.[1] Fuss & O'Neill delineates the disposal site with estimated boundaries in the northeast corner and near the southeast corner. In addition, Fuss & O'Neill states that additional assessment of CVOCs contamination in bedrock may be warranted.

In the Phase II report, Fuss & O'Neill documents concentrations of metals and polycyclic aromatic hydrocarbons (PAHs) in shallow soil samples collected at the Site. During

[1] T&H notes that according to a subsequent report prepared by Nobis Engineering, Inc. in September 2013 groundwater flow in the shallow bedrock aquifer is to the west-southwest.

Release Abatement Measure (RAM) activities in 2012 and 2013, metals containing soil was excavated and disposed offsite. However, PAH containing soil in the areas of MW-2 and MW-3 was not addressed.

T&H reviewed a report titled *Targeted Brownfields Assessment, Nu Style, Franklin, Massachusetts,* prepared by Nobis Engineering, Inc., (Nobis), dated September 2013. Nobis installed six bedrock couplets labeled MW-101S/MW-101D through MW-106S/MW-106D, each consisting of a shallow bedrock well ranging from around 11 to 24 feet below grade and a deeper bedrock well ranging from around 20 to 34 feet below grade for a total 12 bedrock wells. Please refer to Figure No. 4 for the locations of the wells. All the wells installed by Nobis use a five foot well screen set in first water bearing bedrock fractures observed during drilling. CVOCs were detected in groundwater from 10 of the 12 wells. In general, higher concentrations of PCE and TCE were detected in the groundwater samples collected from the deeper well of the couplet.

The highest concentrations of PCE were detected in MW-104D, located along the southern edge of the former building. The highest concentrations of TCE were detected in MW-101D, located on the southern side of Mine Brook and south of MW-104D. T&H is of the opinion that these data support Nobis' findings that the fractured bedrock is likely interconnected and that groundwater in the shallow bedrock aquifer flows to the west-southwest. Nobis recommends additional investigation of the bedrock geology and states that higher concentrations of CVOCs may be present in deeper bedrock fractures. In addition, Nobis recommends additional evaluation of soil in the area of the former excavation of CVOC contaminated soil and CVOC containing soil in the area of MW-105S.

T&H used the well casing elevations and depth to bedrock information from the Fuss & O'Neill and Nobis reports to generate a bedrock surface contour map shown on Figure No. 5. Based on these data, the surface of the bedrock appears to slope downward to the south toward Mine Brook. Based on Fuss & O'Neill's estimate, the groundwater flow direction in the overburden generally agrees with the slope of the bedrock surface. However, the groundwater flow direction and the orientation of the bedrock surface in the northwest corner of the Site and further to the southwest on Lot 19 are unclear due to a lack of information in these areas.

Based on a review of prior assessment activities at the Site, additional assessment of CVOC contamination in the bedrock aquifer is required. Based on the CVOC concentrations in MW-101D, these contaminants appear to be migrating in bedrock fractures below Mine Brook. Therefore, T&H recommends drilling overburden and bedrock wells to the southwest of Mine Brook on Lot 19 and near the western boundary of Lot 22 along the brook. The proposed wells on Lot 22 will assist in the evaluation of whether CVOCs are migrating toward the residential property located west of Lot 22 on Lot 21. Although the residence is serviced by public water, an evaluation of the extent of the release in this direction is necessary due to the potential for a vapor intrusion

pathway. Based on the data obtained from the proposed well on Lot 22, additional groundwater quality assessment may be necessary closer to the residence.

T&H is of the opinion that the passive soil gas data have identified additional locations to be evaluated as part of the Phase II - CSA. Based on these data, T&H recommends drilling overburden and bedrock wells in the vicinity of VP-1 and VP-12. In addition, T&H recommends further evaluating soil and groundwater quality near VP-4 and VP-20.

In summary, T&H recommends installing five additional couplets of overburden and bedrock monitoring wells as shown on Figure 6 and a new bedrock well near the Nobis MW-104 couplet in an effort to further evaluate the vertical extent of contamination in the bedrock. In addition, if the wells installed by Nobis are no longer viable, T&H recommends replacing them (with the exception of MW-102S and MW-102D because contamination was not detected in these wells). As part of the well installation work, T&H also recommends further evaluating the extent of soil contamination in the area of MW-105S and near the sewer line along the northern boundary of Lot 27. In addition to the CVOCs, reportable concentrations of PAH were also detected in soil from MW-2 and MW-3. Additional assessment is required to evaluate the nature of these contaminants to assess whether the PAHs are an anthropogenic background condition. However, this assessment can be done in conjunction with the CVOC investigation.

We trust that this letter meets your immediate needs. Please let us know whether you would like us to prepare a proposal for the additional assessment that is recommended.

TATA & HOWARD, INC.

Jonathan R O'Brien

Jonathan O'Brien, LEP, LSP
Senior Hydrogeologist

Joel S. Loitherstein

Joel S. Loitherstein, P.E.
Vice President

Attachments

- Figure No. 1 - Soil Gas Locations
- Figure No. 2 - Passive Soil Gas Plot - PCE
- Figure No. 3 - Passive Soil Gas Plot - TCE
- Figure No. 4 - Nobis Well Locations
- Figure No. 5 - Bedrock Surface Contour Map
- Figure No. 6 - Proposed Well Locations



Map Reference:
MASSGIS COLOR ORTHOS 2009

TATA & HOWARD

Date: MARCH 2015 Scale: 0 40 FEET (APPROXIMATE)

PASSIVE SOIL GAS LOCATIONS

87 GROVE STREET
FRANKLIN, MASSACHUSETTS

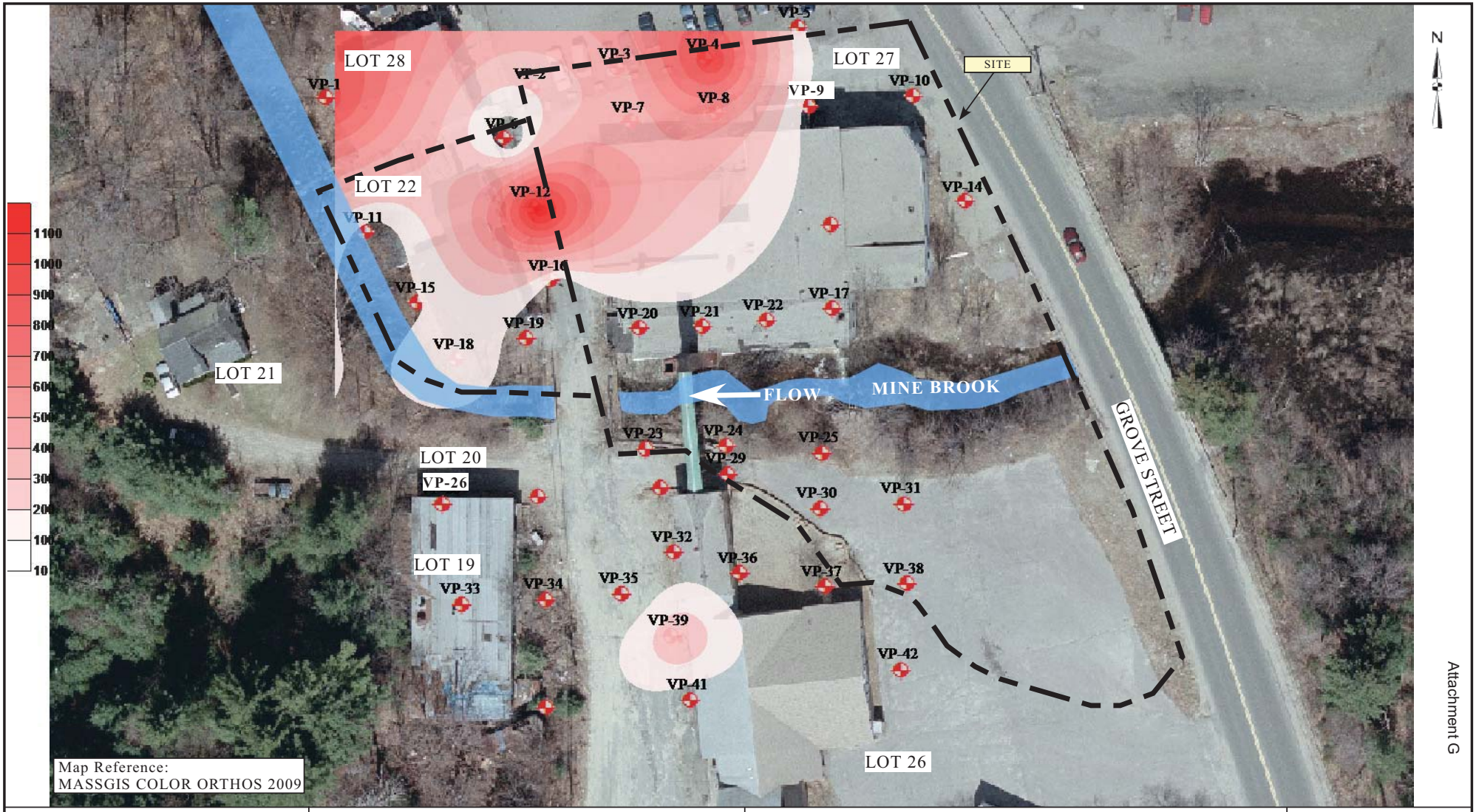
Legend

= Passive Soil Gas Sample Location

Figure No.

1

Attachment G



Attachment G

TATA & HOWARD

Date: MARCH 2015 Scale: 0 40 FEET (APPROXIMATE)

PASSIVE SOIL GAS PLOT - PCE

87 GROVE STREET
FRANKLIN, MASSACHUSETTS

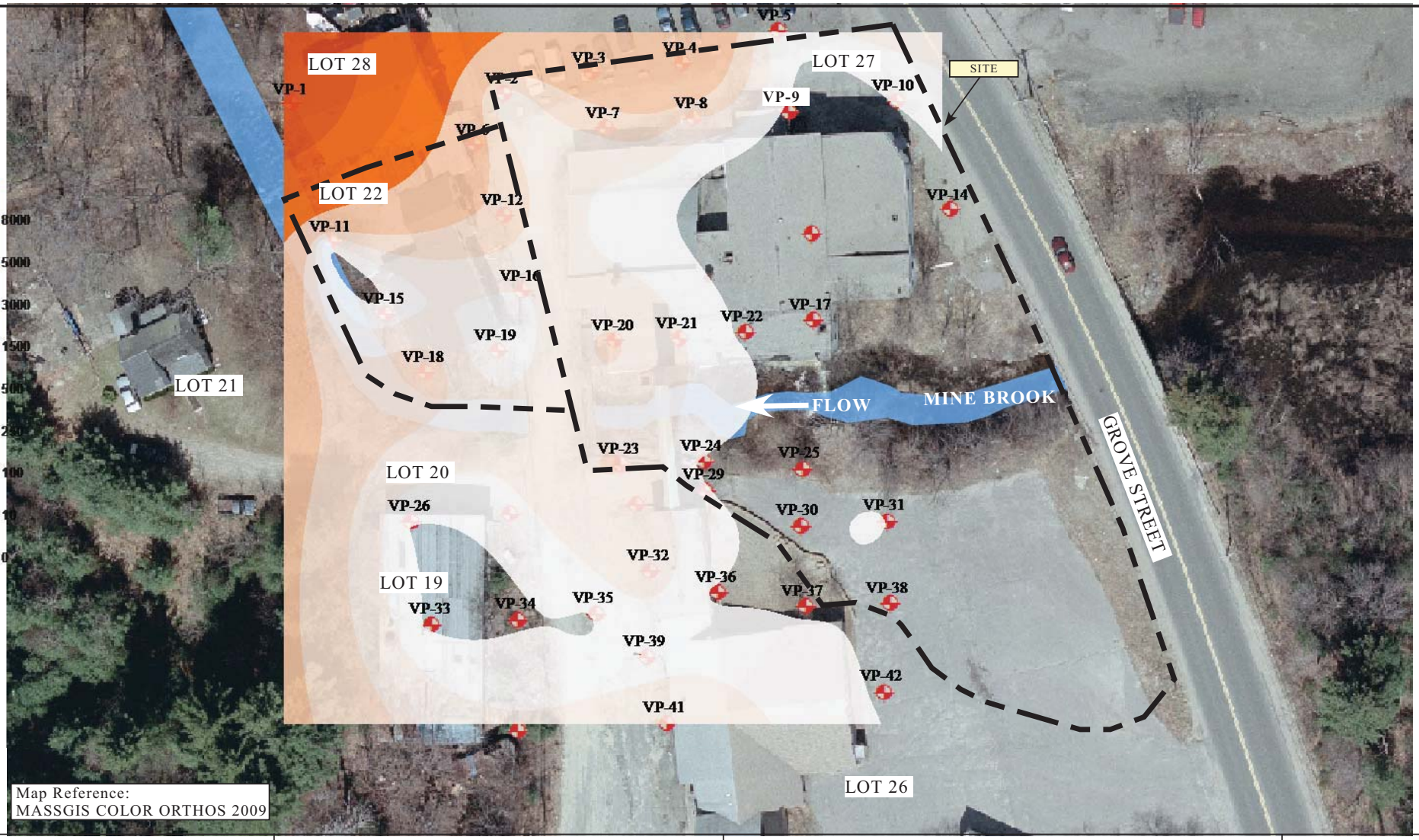
Legend

= Passive Soil Gas Sample Location

Results in nanograms

Figure No.

2



TATA & HOWARD

Date: MARCH 2015 Scale: 0 40 FEET (APPROXIMATE)

PASSIVE SOIL GAS PLOT - TCE

87 GROVE STREET
FRANKLIN, MASSACHUSETTS

Legend

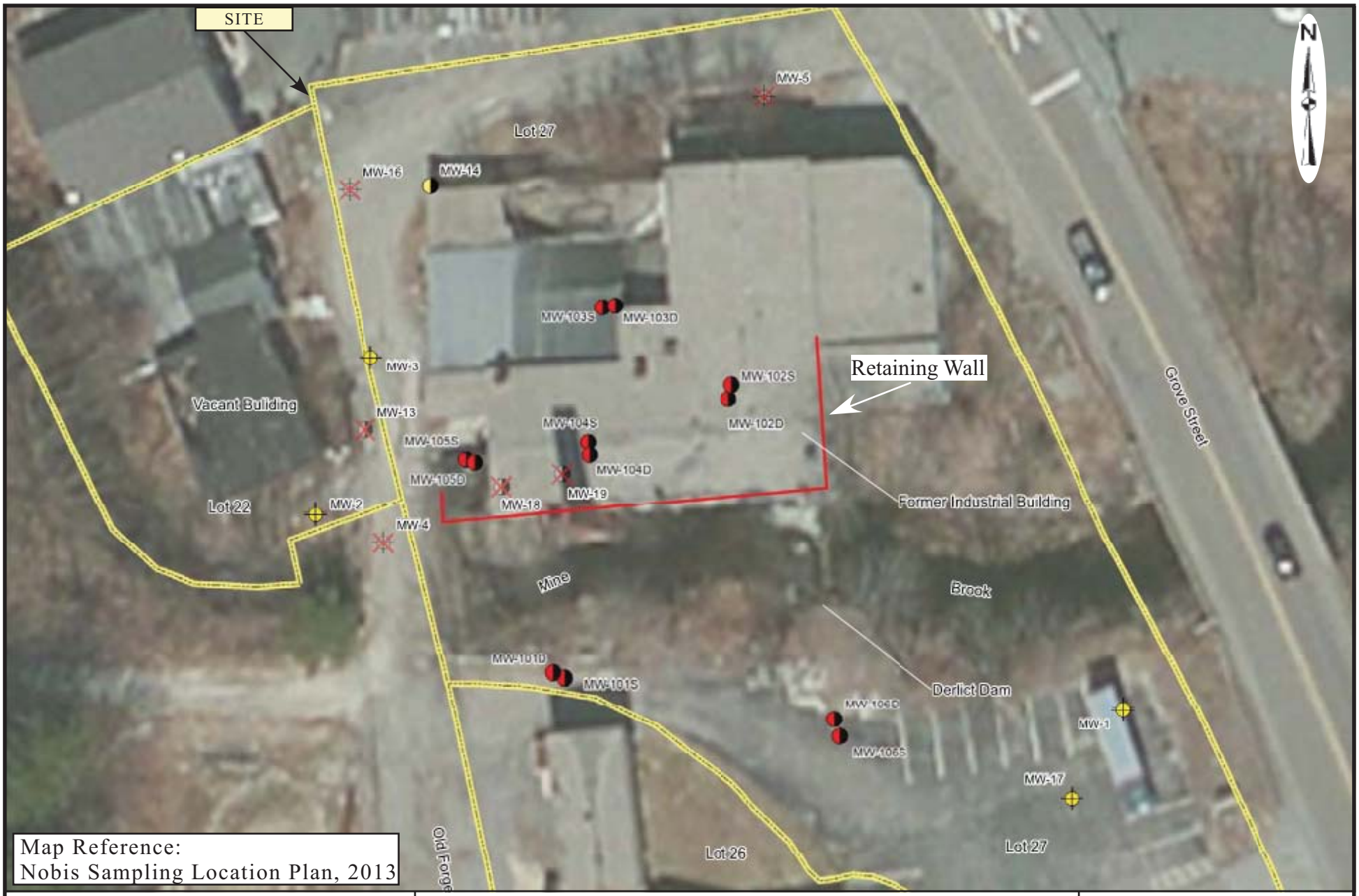
= Passive Soil Gas Sample Location

Results in nanograms

Figure No.

3

Attachment G



TATA & HOWARD

Date: MARCH 2015 Scale 0 30 FEET (APPROXIMATE)

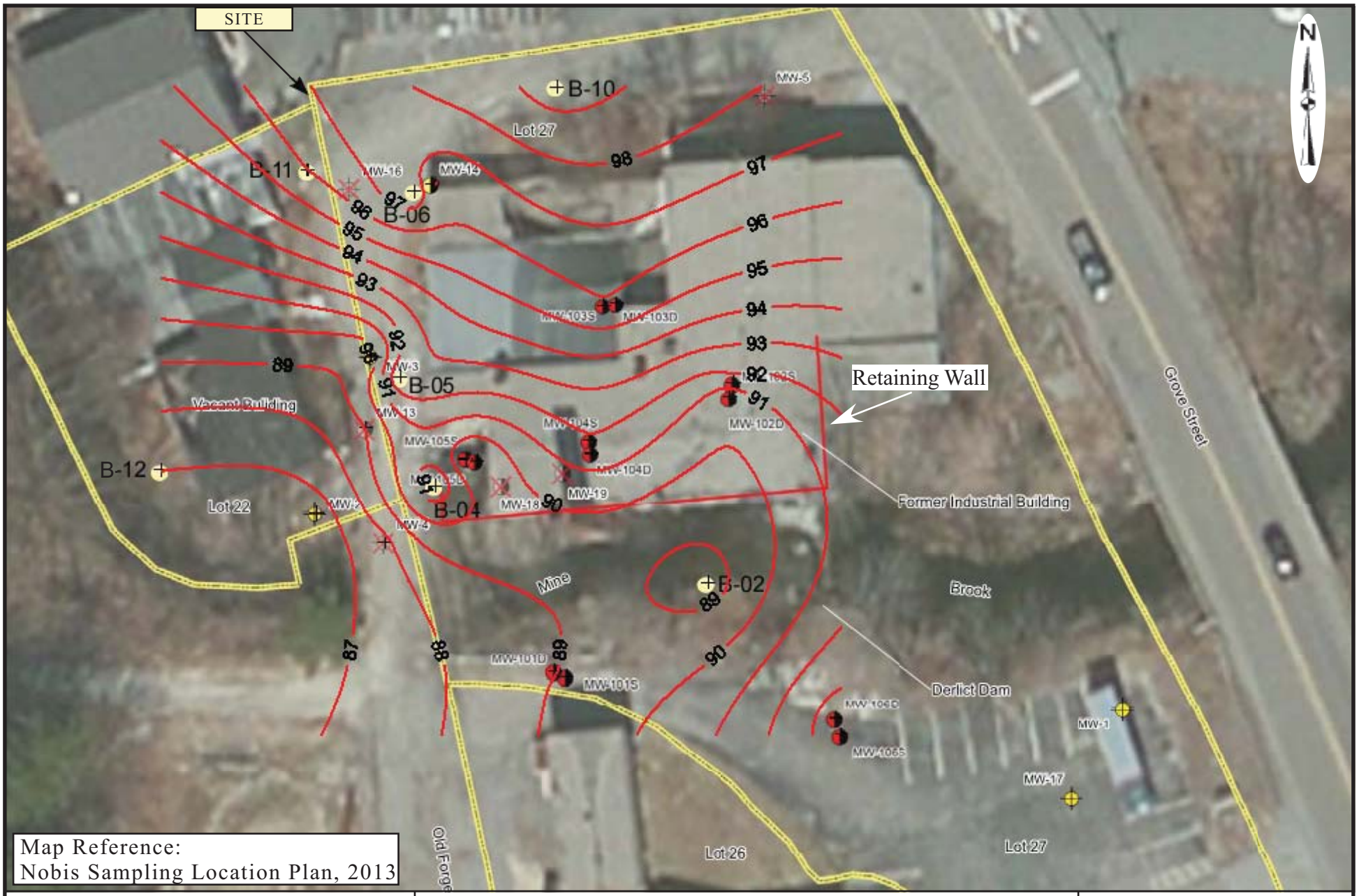
NOBIS WELL LOCATIONS

87 GROVE STREET
FRANKLIN, MASSACHUSETTS

Figure No.

4

Attachment G



TATA & HOWARD

Date: MARCH 2015 Scale 0 30 FEET (APPROXIMATE)

BEDROCK SURFACE CONTOUR MAP

87 GROVE STREET
FRANKLIN, MASSACHUSETTS

Figure No.

5

Attachment G



TATA & HOWARD

Date: MARCH 2015 Scale: 0 40 FEET (APPROXIMATE)

PROPOSED WELL LOCATIONS

87 GROVE STREET
FRANKLIN, MASSACHUSETTS

Legend

= Proposed Well Location

= Proposed Boring

Figure No.

6

Soil Vapor Intrusion Study Report

Commercial Building
25 Grove Street
Franklin, MA

Former Nu-Style Site
87 Grove Street
Franklin, MA

December 2014

U.S. ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND REGIONAL LABORATORY
OFFICE OF ENVIRONMENTAL MEASUREMENT & EVALUATION
11 TECHNOLOGY DRIVE
NORTH CHELMSFORD, MASSACHUSETTS 01863

Prepared for: Office of Site Remediation & Restoration, Brownfields Program
U.S. Environmental Protection Agency, New England

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1.0 Introduction

EPA Project Manager, James Byrne requested sub-slab soil gas samples be collected underneath the slab on-grade concrete foundation and indoor air at the commercial building located at 25 Grove Street in Franklin, MA during the heating season to form lines of evidence for completion of a vapor intrusion pathway risk evaluation related to contaminants associated with the Nu-Style Site (See Figure 1). This request was based on the detection of VOCs above the MCP GW-2 standard, particularly TCE in the shallow groundwater monitoring well MW 101S and PCE in the deeper bedrock monitoring well MW 101D. These monitoring wells are located approximately 15 feet north of the building. Based on a visit to the 25 Grove Street building on November 3, 2014, six sub-slab and five indoor air sampling locations were selected to evaluate VOC concentrations underneath and inside the building. Sub-slab sampling ports were installed on December 9, 2014. On December 15, 2014 sub-slab soil gas and 8-hour indoor air samples were collected.

Peter Kahn was the EPA sampling project manager for this study and was responsible for the following tasks: write the Sampling and Analysis Plan (SAP), communicate all aspects of the project to the EPA Project Manager, coordinate EPA laboratory analytical support with OEME laboratory personnel, prepare and collect canister indoor air and soil gas samples, and prepare the final report for these activities. Alysha Lynch assisted Peter Kahn with sampling and documentation. Scott Clifford was responsible for collecting indoor air and soil gas grab samples, and on-site screening analysis of these samples using the EPA Region 1 Mobile Laboratory. Dan Curran operated the EPA Region 1 Laboratory GC/MS which was used to analyze the canister air and soil gas samples. This report will be distributed to James Byrne and all other interested parties.

1.1 Site Background

The Nu-Style site is located at 87 Grove Street, Franklin, MA, and consists of two parcels (Franklin Tax Assessor's Map 276, Lots 22 and 27) totaling approximately 1.2 acres. The site is in a mixed-use (industrial/commercial/residential) area of Franklin, MA known as Unionville.

The site abuts a commercial operation to the north, Grove Street to the east, a commercial operation to the south (25 Grove Street), and Old Forge Hill Road and Mine Brook to the west. Lot 22 consists of a vacant one-and a half story building. Lot 27, which Mine Brook bisects into northern and southern portions, consists of the remains of a former two-story industrial building (on the northern portion), the remnants of a small dam, and a paved parking lot (on the southern portion). See Figure 1.

The former industrial building was demolished in the Fall/Winter of 2012. As part of the demolition, the southern wall of the former industrial building was reused as a retaining wall for much of the building demolition debris. The remainder of the area was filled and brought to grade. The northern portion of Lot 27 is generally flat, and at the same elevation as Grove Street, and is covered with mulch material.

Figure 1



1.2 Historic Site Usage

The former industrial building was constructed in approximately 1900. The textile manufacturer Unionville Woolen Mills initially occupied the building. Following Unionville Woolen Mills' operations, a paint manufacturer (Franklin Paint Company) occupied the Site. The specific operations employed by these owners involved the manufacture or on-site use of hazardous materials, including dyes, paints, and solvents, as well as the use of coal and/or oil for building and process heat.

In the 1950s, Grove Street was constructed along the eastern portion of the Site. At the time, the eastern portion of Lot 27 (upstream of the dam) and portions of Lot 26 were part of the Mine Brook mill pond. Portions of the former industrial building were constructed over the pond. At some point in the 1960s, the submerged portions of Lots 26 and 27 were filled; however, according to previous reports, the origin of the fill could not be determined.

In 1969, Nu-Style Company, Inc. and Image Jewelry initiated manufacture of costume jewelry on the Site. Operations in use at this time included metal plating, degreasing, and other metalworking and finishing operations. Additionally, at least five underground storage tanks (USTs) with a total capacity of approximately 15,000 gallons of petroleum were utilized on-site.

Nu-Style vacated the building in approximately 1989, and abandoned numerous containers of hazardous materials, as well as contaminated process equipment. In 1991, Nu-Style declared bankruptcy, and the property ownership defaulted to the Federal Deposit Insurance Corporation (FDIC).

1.3 Previous Site Investigations at Nu-Style

Environmental investigations conducted in 1991 reported concentrations of chlorinated VOCs in soil and groundwater. The contractor at the time inferred that the contamination resulted from a surface release.

Following an inspection by the Town and the Massachusetts Department of Environmental Protection (MassDEP), abandoned hazardous materials were observed in containers and process equipment. The discovery was referred to EPA in 1992, and EPA conducted a removal assessment shortly thereafter. Based on the results of the removal assessment, EPA removed containers of chromic acid, cyanides, nickel sulfate, chlorinated solvents, and lubricating oil from the site, and remaining petroleum product from the UST.

In 2002 and 2005, the Town foreclosed and took ownership via the tax-title process. In May 2006, Fuss & O'Neil (F&O) conducted a Phase I Environmental Site Assessment (ESA) at the Site. This ESA was updated in February 2007. Recognized Environmental Conditions (RECs) identified at the Site included:

- Materials used and stored at the site associated with jewelry manufacturing included cyanides, metals, chlorinated solvents, and petroleum products; however, additional substances associated with textile manufacturing may also have been used. Files indicated that numerous drums of hazardous waste and petroleum products were located outside of the site buildings;

- At least one UST was present on the western side of the Lot 27 building. In addition, a heating oil tank reportedly existed in an underground bunker on the same side of the building;

- A small tunnel containing slow-moving water, consistent with a millrace, was present beneath the vacant building on Lot 22. Town maps suggested that the tunnel conveyed Mine Brook water from an entry point east of the Site, through Lot 27 and beneath the former industrial building, beneath the vacant Lot 22 building, and discharged to Mine Brook somewhere west of the Site. The tunnel may have been used by the former woolen mill for direct waste disposal to Mine Brook;

- Releases of chlorinated solvents to soil and groundwater were identified on Lot 26, which abutted the site to the south.
- The southern (and eastern) portion of the Site formerly contained a pond that was filled circa 1960. The nature and origin of the fill are not known.

In 2005, the Town Building Commissioner inspected the former industrial building, and condemned it due to the poor structural conditions.

Between 2006 and 2010, a series of environmental assessments on the property were completed on behalf of the Town. As a result of these assessments, releases of chlorinated VOCs and metals to surface soil on the northern portion of the property, and dissolved-phase VOC and lead migrating in both the overburden and bedrock aquifers at the site were identified. Investigations conducted in Mine Brook documented the presence of polycyclic aromatic hydrocarbons (PAHs) at concentrations greater than risk-based threshold values. The Town reported these releases to MassDEP in May 2007, and the site was assigned Release Tracking Number (RTN) 2-16694.

The Town removed the remaining UST from the site in May 2007 and commissioned a building materials study to evaluate the presence of potential lead paint, asbestos, and other hazardous materials in the mill building. The investigation identified LBP, ACM, and mercury-containing and PCB-containing building materials in the former industrial building.

A Phase II Site Assessment Report was issued in September 2010 that summarized the findings, to date. This report did not completely meet expectations under the Massachusetts Contingency Plan (MCP), in that it did not fully investigate the nature and extent of the chlorinated VOC contamination in bedrock groundwater. To facilitate such an investigation, the former industrial building required demolition.

In May 2012, a Release Abatement Measure (RAM) Plan was submitted to MassDEP. The plan outlined the details and regulatory framework for the demolition of the former industrial building, and the excavation and removal of VOC and lead-contaminated soil. The RAM was completed between May 2012 and February 2013.

1.4 Remedial Activities at Nu-Style

The following is a summary of removal and remedial actions undertaken at the Site:

- 1992 – EPA completed a time-critical removal action under the National Contingency Plan (NCP). The removal action removed quantities of chromic acid, cyanide, nickel sulfate, chlorinated solvents, lubricating oil, remaining petroleum product from the UST, and other assorted contaminated materials.

- May 2007 – A 5,000-gallon No. 2 fuel oil UST was removed from a small alcove area in the southwestern portion of the former industrial building. Soil samples collected from the UST grave did not contain concentrations of hazardous materials in excess

of applicable criteria. No contaminated soil was removed from the Site during this UST removal.

- 2012-2013 – A RAM was completed between May 2012 and February 2013 which included the following:

    - Erosion and sediment controls, erection of a scaffold over Mine Brook to serve as a demolition debris shield in accordance with Order of Conditions;

    - Controlled demolition of the former industrial building such that ACM, LBP, PCB containing materials, and mercury containing fixtures were segregated. Note that none of these materials was abated prior to building demolition due to the poor structure integrity. A waiver (No. C-AW-12-181) of pertinent portions of the Massachusetts Contingency Plan (MCP) was granted by MassDEP to allow the demolition without prior abatement.

        - Brick and masonry were segregated and crushed for use as backfill in the former industrial building basement area. The area was brought to current grade using backfill provided by the Town and topped by a mulch layer.

        - The southern wall of the former industrial building was retained, and reinforced by a steel-reinforced cast-in-place wall gravity wall. This wall added mass to assist in retaining the backfill soil and crushed debris.

        - During building demolition, a stone-lined underground tunnel was encountered. The tunnel was approximately 150 feet long, 8-feet wide, and was oriented east-west.

            - Water was observed within the tunnel; however, it was determined that this water was the result of groundwater intrusion and not a surface water body. Samples of this water contained concentrations of lead above applicable MCP Method 1 standards.

            - The solid media below the water within the tunnel were not classified as surface water–related sediment. Samples collected of this material exhibited concentrations of PAHs and metals (chromium and lead), which were not consistent with those detected elsewhere on the Site.

            - The solid media was removed and the tunnel was collapsed and backfilled. Approximately 116 tons of PAH-contaminated

sediment material were transported to ESMI of New Hampshire for treatment via low-temperature thermal desorption.

- VOC and lead-contaminated soil removal and disposal.
  - Three areas excavated: the Northwest Corner Excavation Area (to a depth of 4 feet); the Northeast Corner Excavation Area (to a depth of 6 feet); and the B-4 Excavation Area (to a depth of 7 feet).
  - Approximately 407 tons of contaminated soil were excavated and transported to ESMI of New York for treatment via low-temperature thermal desorption.
  - Damaged and subsequently repaired a previously unknown active sewer pipe servicing an adjacent business.
  - Although most of the soil samples collected from the excavation limits were below MCP Method 1 S-1 soil standards, a soil sample collected from the northern extent of the Northwest Corner Excavation Area contained chlorinated VOCs at concentrations that exceeded Method 1 S-1 soil standards. Further excavation in this area was halted due to the presence of additional subsurface utilities.

1.5 Summary of Targeted Brownfield Assessment Investigations at Nu-Style

Between May 6, 2013 and May 10, 2013, Nobis Engineering, Inc. oversaw the installation of 12 bedrock monitoring wells (shallow and deep) at six locations throughout Lot 27 to characterize the release of chlorinated VOCs to groundwater at the Site. Nobis performed two rounds of groundwater sample collection on May 15, 2013, August 20, 2013, and August 21, 2013. These well couplets were identified as MW-101S and MW-101D through MW-106S and MW-106D.

The following is a summary of groundwater analytical results:

- Samples collected in May 2013 contained chlorinated VOCs including 1, 1-dichloroethane (1, 1-DCA), 1, 1-dichloroethylene (1, 1-DCE), cis-1, 2-dichloroethylene (cis-1, 2-DCE), tetrachloroethene (PCE), 1, 1, 1-trichloroethane (1, 1, 1-TCA), and trichloroethene (TCE), were reported in a majority of the monitoring wells sampled. Other VOCs detected were acetone (suspected laboratory contaminant), sec-butylbenzene, and methyl tert-butyl ether. In August, similar chlorinated VOCs were detected. In addition, 1, 1, 2-trichloroethane (1, 1, 2-TCA) and vinyl chloride (VC) were also detected. Acetone was not detected in any of the samples collected in August.

- Of the detected VOCs, PCE and TCE exceeded the MCP Method 1 GW-2 standards during both sampling events. None of the VOCs detected in May or August exceeded the MCP Method 1 GW-3 standards.

- PCE concentrations from both sampling events were generally significantly higher in the deeper bedrock monitoring wells compared to the more-shallow bedrock wells. The shallow bedrock groundwater PCE results exceeded GW-2 standards in monitoring well MW-104S (94 ug/L in May) and MW-105S (140 ug/L in May and 86 ug/L in August). Both monitoring wells are located in the southwestern portion of the former industrial building. The deep bedrock groundwater PCE results exceeded GW-2 standards in monitoring wells MW-101D, MW-103D, and MW-104D in May and August.

- Although elevated, the maximum concentrations of chlorinated VOCs detected in monitoring well MW-101D are not in excess of 1% of the effective solubility of an assumed dense non-aqueous phase liquid (DNAPL) comprised of TCE, PCE, and 1, 1, 1-TCA. Based on these analytical results, a DNAPL presence in the region near monitoring well MW-101D, along the southern boundary of Lot 27, is not anticipated; however, the groundwater concentrations in most of the monitoring wells increase with increasing depth, suggesting the potential for the possible presence of DNAPL in the deeper bedrock aquifer.

- TCE concentrations exhibited a similar pattern to PCE in that higher concentrations were reported in the deeper bedrock monitoring wells than what was detected in the shallower bedrock groundwater samples. The TCE concentration in the shallow bedrock sample collected from MW-101S was the lone shallow bedrock groundwater sample result that exceeded MCP GW-2. ***MW-101S, located approximately 15 feet north of an occupied commercial building on Lot 26 (25 Grove Street), contained TCE at 390 and 260 micrograms per liter (ug/L) in May and August, respectively, which is an order of magnitude greater than the GW-2 standard.*** Deep bedrock groundwater sample results exceeded MCP GW-2 standards in MW-101D, MW-102D, MW-103D, and MW-104D.

- VOC concentrations of detected VOCs did not exceed criteria in overburden wells MW-1, W-2, MW-3 or MW-17, which were only sampled in August.

- None of the metals results exceeded MCP groundwater standards.

1.6 25 Grove Street

The commercial property located at 25 Grove Street in Franklin, MA is the subject of the vapor intrusion investigation (See Figure 2). The building is constructed on a concrete slab on-grade foundation, built in the 80's and is approximately 10,174 sq. ft. The portion of the building to the north is currently occupied by the Gentle Giant Moving & Storage Company who is using the space for storage and an office. The rest of the building is not currently occupied and was used as office space and storage for a number of years before the tenant vacated the building in October 2014. The building is heated by four oil fired forced hot air furnaces and electric baseboard heaters. There are two oil tanks located inside the building and one outside. The office space portion of the building has central air conditioning. According to the EPA Project Manager, the

only chemicals stored or recently used in the building are Windex, bleach, Simple Green, printer toner, & diesel exhaust fluid (Urea/Water).

Figure 2



2.0 Sampling Objective

EPA Project Manager, James Byrne requested sub-slab soil gas samples be collected underneath slab on-grade concrete foundation and indoor air at the commercial building located at 25 Grove Street in Franklin, MA during the heating season to form lines of evidence for completion of a vapor intrusion pathway risk evaluation related to contaminants associated with the Nu-Style Site. This request was based on the detection of VOCs above the MCP GW-2 standard, particularly TCE in the shallow groundwater monitoring well MW 101S and PCE in the deeper bedrock monitoring well MW 101D. These monitoring wells are located approximately 15 feet north of the building. Based on a visit to the 25 Grove Street building on November 3, 2014, six sub-slab and five indoor air sampling locations were selected to evaluate VOC

concentrations underneath and inside the building. Sub-slab sampling ports were installed on December 9, 2014.

On December 15, 2014, indoor air samples were collected from five locations inside the building over an 8-hour period to reflect a typical worker exposure duration. Soil gas samples were also collected on the same day by Scott Clifford from the 6 sub-slab sampling ports installed on December 9 and then analyzed on-site using the EPA Region 1 Mobile Laboratory. Four of the six sub-slab sampling locations were selected to collect soil gas canister confirmation samples with a flow controller calibrated to a flow rate of approximately 200 ml/min. over a sample duration of approximately 1-hour until the canister reached atmospheric pressure. These samples were analyzed at the EPA Regional Laboratory using a GC/MS.

Indoor air data will be compared to a background outdoor air sample that was collected outside on the building's property at the same time indoor air samples were collected. For quality control purposes, one collocated indoor air canister sample was collected. All canister samples were analyzed for the VOCs listed on Table 1 at the EPA New England Regional Laboratory (NERL), particularly the target compounds trichloroethene (TCE) and tetrachloroethene (PCE) using a GC/MS.

The six semi-permanent sub-slab soil gas sampling probes were installed using stainless steel hardware, sealed with modeling clay and concrete, capped and flush mounted with the floor. The probe inlet is positioned to a depth where the bottom of the concrete slab meets the underlying material. Initially, after purging the probes, sub-slab soil gas samples were collected by drawing 200 micro liters of air using an air tight glass syringe then immediately analyzed on-site using the EPA mobile lab. Canister sub-slab soil gas confirmation samples were then collected using EPA Region I Standard Operating Procedure for Sub-Slab Soil Gas Sampling, April 1, 2011, Revision 2 from four selected probes and then analyzed at EPA NERL.

2.1 Target Compounds

As noted above all canister samples were analyzed for the VOCs listed on Table 1, particularly the target compounds TCE and PCE.

2.2 Data Use and Reporting

The results of the study are presented in this final report and will be provided to the EPA project manager and all other interested parties. This report describes the sampling and analytical procedures used for the study and the resulting data. The air sampling and analytical techniques used for this study provide the necessary data to assist data users with evaluating whether sampling results identify a risk to building occupants. The collected data will be compared to the EPA Vapor Intrusion Screening Levels (VISLs), which are based on Regional Screening Levels (RSLs). Screening levels for the target compounds are provided in the following table.

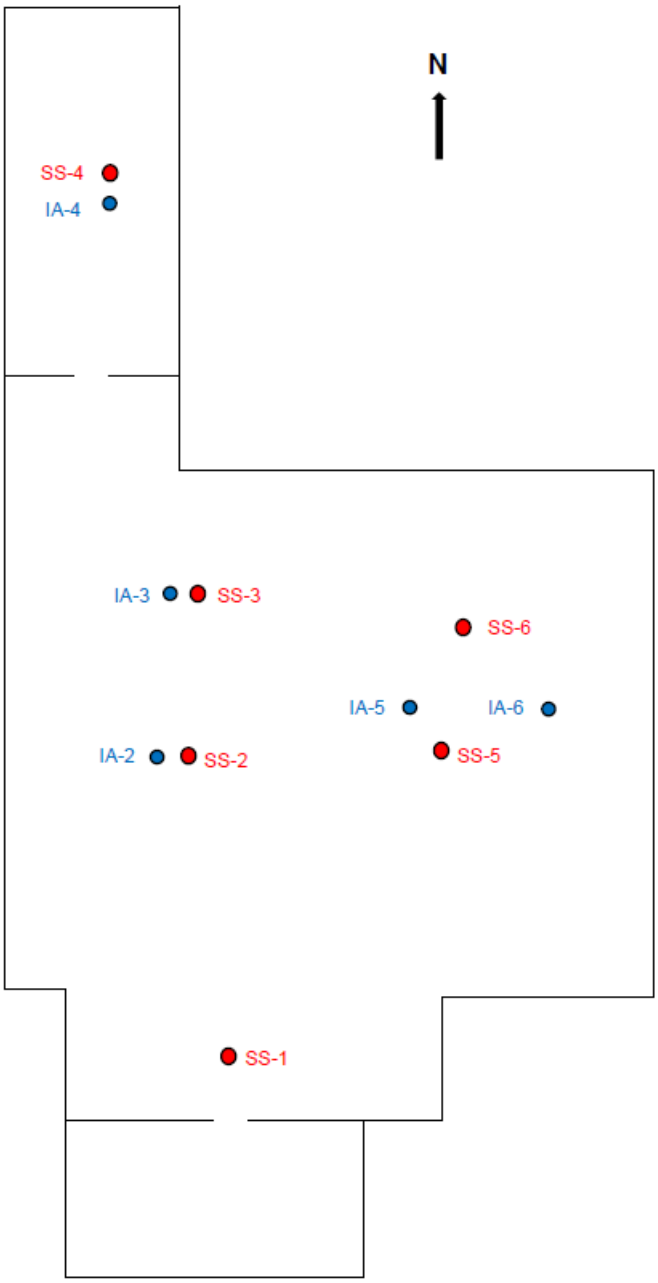
Compound	EPA VISL Commercial Air[1]		EPA Region 1 Reporting Limits[2]
Trichloroethene	Indoor Air Soil Gas	3.0 µg/m^3 30 µg/m^3	0.27 µg/m^3
Tetrachloroethene	Indoor Air Soil Gas	47 µg/m^3 470 µg/m^3	0.20 µg/m^3

1 EPA VISL = EPA Vapor Intrusion Screening Levels based on EPA Regional Screening Levels (May 2014); based on 1x10^{-6} cancer risk or hazard quotient of 0.1; average groundwater temperature 25℃.
2 Reporting limits are shown without dilutions; any sample dilutions will increase these limits.

3.0 Sampling Locations

Sampling locations were selected to represent the concentration of target compounds in the soil gas underneath the building's concrete foundation and the indoor air. A floor plan showing the approximate sub-slab and indoor air sampling locations are provided on Figure 3. Detailed descriptions of the sampling locations and photographs are also provided in this section.

Figure 3
25 Grove Street Franklin, MA
Building Sketch and Sampling Locations



Scale: Approimately 1 inch = 20 feet

- Sub-Slab Sampling Locations (e.g. SS-2)
- Indoor Air Sampling Locations (e.g. IA-2)

An ambient air sample was located outside, on a sign post approximately 20 feet west of Grove Street and 105 feet east of the building.

Sampling Location 1 (south end of building, storage area)

Indoor Air 8-hour Sample

No indoor air sample was collected at this location.

Indoor Air Grab Sample

No indoor air grab sample was collected at this location.

Soil Gas Samples

SS-1: To prepare the sampling probe, on 12/9/14 a 12 inch deep, 3/8 inch diameter hole was drilled through the concrete floor and sub-slab material into which a 5 inch long, ¼ inch diameter stainless steel probe and fittings were installed. On 12/15/14 sub-slab soil gas samples were collected below the concrete slab 23 feet 7 inches from the east exterior wall, 18 feet 4 inches from the west exterior wall, 25 feet 5 inches from the south exterior wall, 6 feet 10 inches from the south interior wall, 6 feet 8 inches from the north interior wall and 5 inches below the slab. A syringe grab sample was collected after purging 1 liter from the probe and then analyzed on-site using the EPA NERL Mobile Lab. An additional 1 liter was purged from the probe and a second/duplicate syringe grab sample was collected and analyzed using the Mobile Lab. Canister #22688 was then collected from 10:52 am to 11:52 am as a grab sample after purging another 1 liter from the probe. The canister was brought back to the EPA New England Regional Laboratory for analysis.

25 Grove Street Franklin, MA
Sampling Location 1 Looking West



25 Grove Street Franklin, MA
Sampling Location 1 Looking West



Sampling Location 2

Indoor Air 8-hour Samples

Canister #6579 was collected on 12/15/14 from 08:24 am to 4:24 pm, 17 feet 5 inches from the west exterior wall, 7 feet from the north interior wall, 11 feet 5 inches from the east interior wall, 9 feet 2 inches from the south interior wall and 2 feet 6 inches above the floor. Canister #6582 was a duplicate sample collocated with Canister #6579.

Indoor Air Grab Sample

No indoor air grab sample was collected at this location.

Soil Gas Samples

SS-2: To prepare the sampling probe, on 12/9/14 a 12 inch deep, 3/8 inch diameter hole was drilled through the concrete floor and sub-slab material into which a 5 inch long, ¼ inch diameter stainless steel probe and fittings were installed. On 12/15/14 sub-slab soil gas samples were collected below the concrete slab 20 feet 5 inches from the west exterior wall, 7 feet from the north interior wall, 8 feet 5 inches from the east interior wall, 9 feet 2 inches from the south interior wall and 5 inches below the slab. A syringe grab sample was collected after purging 1.1 liters from the probe and then analyzed on-site using the EPA NERL Mobile Lab. An additional 1 liter was purged from the probe and a second/duplicate syringe grab sample was collected and analyzed using the Mobile Lab.

25 Grove Street Franklin, MA
Sampling Location 2 Looking West



Sampling Location 3

Indoor Air 8-hour Sample

Canister #22684 was collected on 12/15/14 from 08:25 am to 4:25 pm, 18 feet 5 inches from the west exterior wall, 11 feet from the east interior wall, 10 feet 8 inches from the south interior wall, 9 feet 3 inches from the north interior wall and 2 feet 3 inches above the floor.

Indoor Air Grab Sample

Grab 1 was collected on 12/15/14 at the same location where the 8-hour canister sample was collected (Canister #22684).

Soil Gas Samples

SS-3: To prepare the sampling probe, on 12/9/14 a 12 inch deep, 3/8 inch diameter hole was drilled through the concrete floor and sub-slab material into which a 5 inch long, ¼ inch diameter stainless steel probe and fittings were installed. On 12/15/14 sub-slab soil gas samples were collected below the concrete slab 21 feet 5 inches from the west exterior wall, 8 feet from the east interior wall, 10 feet 8 inches from the south interior wall, 9 feet 3 inches from the north interior wall and 5 inches below the slab. A syringe grab sample was collected after purging 1 liter from the probe and then analyzed on-site using the EPA NERL Mobile Lab. An additional 1.5 liters was purged from the probe and a second/duplicate syringe grab sample was collected and analyzed using the Mobile Lab. Canister #12570 was then collected from 1:28 pm to 2:28 pm as a grab sample after purging another 1 liter from the probe. The canister was brought back to the EPA New England Regional Laboratory for analysis.

25 Grove Street Franklin, MA
Sampling Location 3 Looking West



Sampling Location 4 (north end of building occupied by Gentle Giant Moving and Storage Company)

The concrete slab at this location was approximately 2 feet 8 inches below grade and lower than the rest of the buildings foundation. In addition, the concrete floor was much thinner than the rest of the buildings foundation. As a result, the sub-slab sampling probe was installed temporarily using clay to make a tight seal. The probe was removed and the hole filled in with clay and concrete after the sampling event.

Indoor Air 8-hour Sample

Canister #22683 was collected on 12/15/14 from 08:38 am to 4:38 pm, 11 feet 4 inches from the west exterior wall, 6 feet 10 inches from the east exterior wall, 20 feet 10 inches from the north exterior wall, 10 feet from the south interior wall and 2 feet 9 inches above the floor.

Indoor Air Grab Sample

Grab 2 was collected on 12/15/14 at the same location where the 8-hour canister sample was collected (Canister #22683). A duplicate grab sample was also collected.

Soil Gas Samples

SS-4: To prepare the sampling probe, on 12/9/14 a 12 inch deep, 3/8 inch diameter hole was drilled through the concrete floor and sub-slab material into which a 2.5 inch long, ¼ inch diameter stainless steel probe and fittings were installed. On 12/15/14 sub-slab soil gas samples were collected below the concrete slab 11 feet 4 inches from the west exterior wall, 6 feet 10 inches from the east exterior wall, 18 feet 10 inches from the

north exterior wall, 12 feet from the south interior wall and 2.5 inches below the slab. A syringe grab sample was collected after purging 1 liter from the probe and then analyzed on-site using the EPA NERL Mobile Lab. Canister #22694 was then collected from 12:07 pm to 1:07 pm as a grab sample after purging another 1 liter from the probe. The canister was brought back to the EPA New England Regional Laboratory for analysis.

25 Grove Street Franklin, MA
Sampling Location 4 Looking South



Sampling Location 5

Indoor Air 8-hour Sample (office space)

Canister #6581 was collected on 12/15/14 from 08:24 am to 4:24 pm, 46 feet from the west exterior wall, 25 feet 5 inches from the north exterior wall and 2 feet 8 inches above the floor.

Indoor Air Grab Sample

No indoor air grab sample was collected at this location.

Soil Gas Samples (closet off office space)

SS-5: To prepare the sampling probe, on 12/9/14 a 12 inch deep, 3/8 inch diameter hole was drilled through the concrete floor and sub-slab material into which a 5 inch long, ¼ inch diameter stainless steel probe and fittings were installed. On 12/15/14 sub-slab soil gas samples were collected below the concrete slab 32 feet 5 inches from the north exterior wall, 50 feet from the west exterior wall, 23 feet from the east exterior wall and 5 inches below the slab. A syringe grab sample was collected after purging 1.1 liters from the probe and analyzed on-site using the EPA NERL Mobile Lab. Canister #14897 was then collected from 1:22 pm to 2:22 pm as a grab sample after purging another 1 liter from the probe. The canister was brought back to the EPA New England Regional

Laboratory for analysis.

25 Grove Street Franklin, MA
Sampling Location 5



Sampling Location 6 (office space)

Indoor Air 8-hour Sample

Canister #4742 was collected on 12/15/14 from 08:24 am to 4:24 pm, 12 feet from the east exterior wall, 32 feet 8 inches from the south exterior wall, 25 feet from the north exterior wall and 2 feet 9 inches above the floor.

Indoor Air Grab Sample

Grab 3 was collected on 12/15/14 at the same location where the 8-hour canister sample was collected (Canister #4742).

Soil Gas Samples

SS-6: To prepare the sampling probe, on 12/9/14 a 12 inch deep, 3/8 inch diameter hole was drilled through the concrete floor and sub-slab material into which a 4 inch long, ¼ inch diameter stainless steel probe and fittings were installed. On 12/15/14 sub-slab soil gas samples were collected below the concrete slab 21 feet 6 inches from the east exterior wall, 40 feet 8 inches from the south exterior wall, 4 inches from the west interior wall, 17 feet from the north exterior wall and 4 inches below the slab. A syringe grab sample was collected after purging 1 liter from the probe and then analyzed on-site using the EPA NERL Mobile Lab. An additional 1.3 liters was purged from the probe and a second/duplicate syringe grab sample was collected and analyzed using the Mobile Lab.

25 Grove Street Franklin, MA
Sampling Location 6 Looking North



25 Grove Street Franklin, MA
Sampling Location 6 Looking East



The picture below shows a closet off the office space where sampling location 6 was located. The property owner indicated the previous tenant cut away a section of the concrete slab with intentions of installing plumbing for a bathroom. The plywood is currently covering the hole, which is an area where soil gas could migrate into the building.


Below plywood floor the concrete floor has been cut away for future bathroom plumbing, a soil gas point of entry area
12/15/2014

Ambient/Background Air Sample

Canister #12562 was attached to a sign post, 20 feet west of Grove Street, approximately 105 feet east of the building and 4 feet above the ground. The sample was collected on 12/15/14 from 08:18 am to 4:18 pm.

25 Grove Street Franklin, MA
Ambient Air Sample Looking North



Ambient Air Sample Looking West



4.0 Canister VOC Air Sampling and Analytical Methodologies

4.1 Description

EPA Region I Standard Operating Procedure (SOP) for Canister Sampling, ECASOP-Canister Sampling SOP5, September 19, 2011, Revision 5, was used to collect the air samples. The TWA indoor air and ambient air samples were collected using a 6-liter canister with a mechanical flow controller calibrated to 10 ml/min to obtain 8-hour samples. At the end of the sampling period, the final canister pressure should be below atmospheric pressure, indicated on the pressure gauge as a negative value, indicative of a vacuum for the sample duration. For this study, the final canister pressures at the end of the sample period were between -8 and -10 inches of mercury. As a result, the data collected are representative of 8-hour average concentrations.

The 8-hour indoor air and ambient air canister samples and soil gas canisters were brought back to the EPA laboratory, logged in on 12/16/14 and analyzed on 12/17/14 following the EPA Region I Standard Operating Procedure, EIASOP AIRCAN11. This analytical procedure was used to identify and quantify VOCs listed in Table 1. Prior to analyzing the canisters, they were pressurized with nitrogen. Indoor air and soil gas concentrations can be higher than outside ambient air. Therefore, dilutions are made to keep concentrations within the calibration range. As a result, a dilution factor is calculated and applied to the data. When dilutions are made to samples, the compound reporting limits tend to be higher.

4.2 Canister Cleaning and Leak Certification Procedures

4.2.1 Canister Cleaning Procedure

Prior to the sampling event, all the canisters were cleaned by placing them in ovens maintained at 150°C, evacuated to at least 10^{-2} Torr and then pressurized with humidified nitrogen to approximately 30 psig. This process was repeated three times. Detailed descriptions of these procedures are provided in the document entitled, Canister Cleaning Standard Operating Procedures, ECASOP-Canister Cleaning SOP5, March 16, 2009, Revision 5.

4.2.2 Canister Leak Certification Procedure

At the end of the cleaning process described above, the canisters were evacuated to less than 10^{-2} Torr. A Pirani sensor was then used to measure the vacuum in each canister. The canisters were then placed on a shelf for at least 24 hours. At the conclusion of this period, the Pirani sensor was used again to measure the final canister vacuum which was compared to the initial reading to determine if the canisters show signs of leaking. Detailed descriptions of these procedures are provided in the document entitled, Canister Leak Certification Standard Operating Procedures, ECASOP-Canister Leak SOP4, August 19, 2011, Revision 4.

4.2.3 Canister Cleanliness Certification Procedure

After all the canisters were certified leak free, each canister was pressurized with humidified nitrogen and then analyzed for contamination using the same GC/MS used to analyze the samples. Detailed descriptions of these procedures are provided in the document entitled, Pressurized Canisters for Clean Certification Standard Operating Procedures, ECASOP-Canister Pressurizing SOP5, EPA-REG1-OEME/CANISTER-PREP-SOP, September 19, 2011, Revision 5.

Canisters were stored under pressure until December 12, 2014, when they were re-evacuated to less than 1.3 x 10^{-2} Torr. Detailed descriptions of these procedures are provided in the document entitled, Canister Evacuation Standard Operating Procedures, ECASOP-Canister Evacuation SOP4, September 19, 2011, Revision 4.

4.3 Canister Flow Controller Cleaning and Calibration Procedures

4.3.1 Flow Controller Calibration Procedure

Flow controllers to be used with the 6-liter canisters were calibrated at the EPA laboratory to 10 ml/min to obtain 8-hour samples following the procedures provided in the EPA Region I SOP for Canister Sampling, ECASOP-Canister Sampling SOP5, September 19, 2011, Revision 5, part 2, Section 14.1. Each flow controller was connected to a "dummy" evacuated canister and an Aalborg Electronic Mass Flow Meter, Model GFMs-010020, was attached to the flow controller's inlet port. As room air was drawn into the "dummy" canister, the flow controller needle valve was adjusted until the flow rate was maintained at the desired rate.

In the field, each canister pressure was checked prior to and after the sampling event with a dedicated pressure/vacuum gauge. For this study the final canister pressures were between -8 and -10 inches of mercury vacuum. These final pressure readings confirm that the data are representative of 8-hour average concentrations.

4.3.2 Flow Controller Cleaning Procedure

After the flow controllers were calibrated they were cleaned following the procedures provided in the EPA Region I SOP for Flow Controller Cleaning Standard Operating Procedures, ECASOP- Flow Controller Cleaning, SOP.Rev1, September 19, 2011. The flow controllers were placed in ovens maintained at 100°C and purged with humidified nitrogen for approximately one hour.

4.4 Canister Analysis Quality Control/Quality Assurance Results

4.4.1 Laboratory Blank

Humidified nitrogen is introduced into the analytical instrument inlet line prior to and after analyzing the canister samples to serve as laboratory blanks. Laboratory blanks are analyzed to determine the background contamination present in the analytical system during the course of analyzing canisters for a given project. Canister data are qualified as estimated and flagged with a "B", when the observed concentration in the

sample was less than five times the concentration in the laboratory blank. Blank values were not subtracted from the reported sample concentrations.

The laboratory blank results are presented in the Laboratory Analytical Report, provided in Appendix B. Two laboratory blanks were analyzed with the indoor air, ambient air and soil gas canister samples. No compounds were detected above the reporting limits, therefore the data were not qualified as estimated.

4.4.2 Data Reproducibility/Precision Results

One canister (Canister 22688) was analyzed a second time for assessing analytical precision, Sample ID: AB53808. More specifically, a second sample aliquot of the same volume was withdrawn from the canister and analyzed in a similar manner. A table at the end of the Laboratory Analytical Report provided in Appendix B shows the results of the laboratory duplicate. The relative percent differences (RPD) were calculated and all are less than QC limits/acceptance criterion. Therefore, the values reported are deemed acceptable and do not need to be qualified as estimated.

An 8-hour duplicate canister sample, canister #6582, was collected at sampling location 2. Table 2 shows a comparison of compounds detected above their reporting limits in both samples along with calculated RPD. The sampling precision data were evaluated by comparing data pairs with both values greater than ten times the reporting limit and then determined if the calculated RPD was within the 25% acceptance criteria. Based on these criteria, the acceptance criteria was satisfied for all compounds.

4.4.3 Data Accuracy Results

A laboratory fortified blank (LFB) canister sample containing selected VOCs at known concentrations was analyzed with the canister samples to determine analytical accuracy. The results of the observed concentrations were compared to the QC Limits (70 – 130%) and are reported in a table at the end of the Laboratory Analytical Report provided in Appendix B. All the LFB percent recovery results were within the QC limits.

4.4.4 Canister Surrogate Spike Results

Prior to analyzing each canister sample, surrogate compounds, 1, 2-dichloroethane d4, bromofluorobenzene and toluene d8 were added to the analytical system. The percent recovery data for the surrogate compounds are reported with each sample data sheet in Appendix B. The results show the recoveries for the three surrogate compounds were all determined to be acceptable.

4.4.5 Chain of Custody

Chain of custody documentation was completed by Peter Kahn. All canister samples were logged into the laboratory on December 16, 2014, transferring the sample custody to laboratory personnel. A completed chain of custody form is included with the Laboratory Analytical Report provided in Appendix B.

4.4.6 Data Validation and Usability

The analytical report provided by the EPA Regional Laboratory was further validated by Peter Kahn. The data reported by the laboratory were compared to the data quality performance criteria specified in Sections 4.4.1, 4.4.2, 4.4.3 and 4.4.4 to evaluate data usability. All data collected for this project are presented in this report and qualified as needed, no data were rejected. The data presented in this report are of acceptable quality to represent the levels of volatile organic compounds present at the indoor air, ambient air, and soil gas sampling locations. These levels may vary given differing site activities, environmental conditions and the time of year. Therefore, the data only represent the conditions prevailing at the time of sampling.

5.0 Air Grab Sampling and Analysis Methodology for VOCs

5.1 Air Grab Sampling Procedures

Air grab samples were collected by drawing 200 micro liters of air at the selected sampling locations using an air tight glass syringe. The sample was immediately analyzed on-site using the EPA mobile lab.

5.2 Air Grab Field Analytical Procedures

Air grab samples were analyzed using Region 1's standard air screening method, Air Sample Analysis for Volatile Organic Compounds, EIASOP-FLDGRAB4. Air samples were collected in a 250 micro liter steel barreled glass syringe and analyzed onsite using a Shimadzu 2010 plus gas chromatograph (GC) equipped with a 30 meter, 0.53 mm DBPS 624 column, electron capture detector (ECD) and photo ionization detector (PID).

Concentrations of VOCs were calculated using the external standard technique. To tentatively identify compounds in a sample, professional judgment was used to compare the retention times of sample chromatogram peaks to the peak retention times of a standard mixture of VOCs. When a compound was tentatively identified, quantitation was performed by a peak height comparison. Compounds reported using this method should be treated as tentatively identified and concentrations are approximate. The compounds reported by the Mobile Lab and their corresponding reporting limits are provided below.

Compound	Reporting Limit (ppb/v)	Reporting Limit (µg/m^3)
Tetrachloroethene	0.5	2.0
Trichloroethene	0.7	2.7

5.3 Quality Control Procedures

The following quality control procedures were used for the on-site air grab sample analysis.

- Syringe blank injections were made after every 10 samples and as needed to assess carryover from high concentration samples. Blank values were subtracted from sample values when calculating compound concentrations.

- A one level calibration standard was analyzed repeatedly and throughout the duration of sample analyses to maintain a consistent standard chromatogram.
- Duplicate/replicate analyses were performed to determine field precision. All of the relative percent differences (RPDs) were within the ± 20% acceptance criteria.

6.0 Soil Gas Sampling and Analysis Methodology for VOCs

6.1 Soil Gas Sampling Procedures

The installation of sub-slab soil gas sampling probes was performed using the EPA Region I Standard Operating Procedure for Sub-Slab Soil Gas Sampling, April 12, 2011, Revision 2. After the sampling probe was in place, a battery operated, portable vacuum pump, calibrated to approximately 1 liter per minute, was attached at the end of a "T" fitting to purge 1 liter from the sampling probe before collecting each sample. The pump continuously withdrew soil gas as a sample was collected. This was accomplished by inserting the needle of a glass syringe through the septa of the "T" fitting and extracting a sample from the soil gas path. Samples were then analyzed on site using the Air Grab Field Analytical Procedures described in Section 5.2.

At selected soil gas sampling locations, the sampling probe remained in the same position and a new “T” fitting, made of a stainless steel flexible line and an in-line valve, was connected for collecting a canister grab sample. The vacuum pump was attached to one end of the “T” fitting and the canister with flow controller was connected to the other end of the “T” fitting. The canister valve remained closed as the pump purged 1 liter from the probe. Immediately after the in-line valve on the pump end of the “T” fitting was closed, the canister valve was opened to collect a grab sample. Using a flow controller on the canister calibrated to flow rate of approximately 200 ml/min. and collecting a sample for approximately 1-hour, the canister reached atmospheric pressure. All of the soil gas canister grab samples were brought back to the OEME Laboratory for analysis following the procedure described in Section 4.1.

6.2 Soil Gas Analytical Procedures

The soil gas grab samples were analyzed using Region 1’s standard air screening method, Air Sample Analysis for Volatile Organic Compounds, EIASOP-FLDGRAB4. Air samples were collected in a 250 micro liter steel barreled glass syringe and analyzed on-site using a Shimadzu 2010 plus gas chromatograph (GC) equipped with a 30 meter, 0.53 mm DBPS 624 column, electron capture detector (ECD) and photo ionization detector (PID).

Concentrations of VOCs were calculated using the external standard technique. To tentatively identify compounds in a sample, professional judgment was used to compare the retention times of sample chromatogram peaks to the peak retention times of a standard mixture of VOCs. When a compound was tentatively identified, quantitation was performed by a peak height comparison. Compounds reported using this method should be treated as tentatively identified and concentrations are approximate. This method tentatively identified and quantified the compounds shown in the table above with the corresponding reporting limits.

6.3 Quality Control Procedures

The following quality control procedures were used for the on-site air grab sample analysis.

- Syringe blank injections were made after every 10 samples and as needed to assess carryover from high concentration samples. Blank values were subtracted from sample values when calculating compound concentrations.
- A one level calibration standard was analyzed repeatedly and throughout the duration of sample analyses to maintain a consistent standard chromatogram.
- Duplicate/replicate analyses were performed to determine field precision. All of the relative percent differences (RPDs) were within the ± 20% acceptance criteria.

7.0 Meteorological Measurement

In general, sampling during winter months is a good strategy to maximize the probability of encountering "worse case" conditions. A key factor in this regard is the movement of gases in and out of the building basement or slab on-grade, to and from the surrounding subsurface environment. Meteorological conditions and observations during and prior to the sampling event provide some insight in this regard. With respect to encountering worse-case conditions, a change in barometric pressure can promote a modest "barometric pumping" action, where higher pressure gases in the subsurface migrate to lower pressure overlying areas (including buildings). Also, moderate rainfall in the preceding days of a sampling event, moderate to high wind speeds around a building and hot forced air heating systems or air conditioners cycling on and off within a building during the sampling event could promote movement of subsurface vapors in and out of the building.

Meteorological data were obtained from the Norwood Memorial Airport in Norwood, MA using the following NOAA web Site, http://cdo.ncdc.noaa.gov/qclcd. The airport is approximately 13 miles northeast of the area under investigation. Three tables are provided in Appendix A showing the daily weather conditions for December 13, 14, and 15, 2014. The data shown include: hourly temperature, dew point, relative humidity, wind direction, wind speed, atmospheric pressure and precipitation amounts. Fifty five hours prior to collecting the indoor air samples that began on December 15 at 08:34 am, no measureable precipitation was recorded and none was recored during the sampling period. As a result, the soil pore spaces were most likely not saturated with moisture during the sampling event. Therefore, soil gases had a chance to accumulate in the soil pore spaces. There was no snow cover on the ground at the time of the sampling event. The barometric pressure steadily increased beginning at 3:53 pm on 12/14/15 leading up to and through the sampling period ending 4:38 pm on 12/15/14. The change in barometric pressure over this period of time may have caused soil gases to begin moving out of the soil pore spaces and potentially into the building, if a pathway existed. The wind speeds recorded during the sampling event were between 0 and 8 mph, with an average of 4 mph, which if occurred in the area of the site may not have been high enough to promote the movement of subsurface vapors into the building. The table below shows the average 24-hour meteorological conditions for December 13, 14, and 15, 2014.

Time	Temp. (F)	Dew Point Temp. (F)	Relative Humidity (%)	Wind Speed (mph)	Wind Direction	Barometric Pressure (inches Hg)
12/13/14	35	26	68	8	WNW	29.77
12/14/14	35	27	75	4	WNW	29.78
12/15/14	33	27	80	2	WNW	29.99

8.0 Indoor Air, Soil Gas and Air Grab Sampling Results and Discussions

December 15, 2014, indoor air samples were collected over an 8-hour period from five locations inside the commercial building located at 25 Grove Street in Franklin, MA. An outdoor ambient air sample was collected on the property over an 8-hour period for comparative purposes to the indoor air samples. Soil gas grab samples were collected on December 15, 2014 from 6 sub-slab sampling ports that were installed on December 9, 2014.

The collected indoor air and soil gas data will be compared to the EPA Vapor Intrusion Screening Levels (VISLs), which are based on Regional Screening Levels (RSLs) for the target compounds TCE and PCE. All canister samples were analyzed for the VOCs listed on Table 1. The data presented in this report are of acceptable quality to represent the levels of VOCs present at the sampling locations under the specific conditions prevailing during sampling. These levels may vary given differing site activities, time of year, characteristics of the site and groundwater plume, meteorological conditions and building operations.

The building is constructed on a concrete slab on-grade foundation, built in the 80's and is approximately 10,174 sq. ft. During sampling the portion of the building to the north was occupied by the Gentle Giant Moving & Storage Company who is using the space for storage and an office. The rest of the building was not occupied and was used as office space and storage for a number of years before the tenant vacated the building in October 2014. The building is heated by four oil fired forced hot air furnaces and electric baseboard heaters. There are two oil tanks located inside the building and one outside. The office space portion of the building has central air conditioning. According to the EPA Project Manager, the only chemicals stored or recently used in the building are Windex, bleach, Simple Green, printer toner, & diesel exhaust fluid (Urea/Water). A visual inspection of the building during the sampling event did not reveal the storage of chemicals that would interfere with the sampling results. All windows and doors were closed for at least a 24 hour period prior to sampling and during the sampling period to maximize indoor air concentrations. The heat was kept on prior to and during the sampling event.

Approximately half way through the sampling event EPA noticed a petroleum/tar odor inside the building. After investigation, EPA observed the property owner heating up tar outside and to the west of the building, which he was going to apply to the roof to fix a water leak. As soon as the odor was detected EPA collected a syringe air grab sample in the area where indoor air sampling location #3 (canister 22684) was located. This activity immediately stopped and the odor dissipated shortly thereafter.

The canister sampling analytical report is provided in Appendix B. The mobile lab reports is provided in Appendix C. Table 3 shows a summary of the indoor air, ambient air and soil gas canister data for all target and non-target compounds detected above their reporting limits, and Table 4 shows a summary of the indoor air, ambient air and soil gas data for TCE and PCE. Figure 4 shows the sampling locations and corresponding TCE and PCE indoor air and soil gas sampling results.

8.1 Trichloroethene Sampling Results and Discussions

The TCE indoor air data were compared to the EPA Vapor Intrusion Screening Level (VISL), which is based on Regional Screening Level (RSL) for commercial properties, 3.0 µg/m^3. TCE sub-slab soil gas data were compared to the VISL, 30 µg/m^3.

TCE was detected at all five indoor air sampling locations between 0.52 and 2.7 µg/m^3, which are below the indoor air screening level 3.0 µg/m^3. TCE was not detected above the reporting limit 0.49 µg/m^3 in the ambient air, therefore it did not contribute to the indoor air concentrations. At the north end of the building where the Gentle Giant Moving & Storage Company has their office and storage space, the TCE concentration was the highest at 2.7 µg/m^3. Lower concentrations, between 0.52 and 0.96 µg/m^3, were detected in the part of the building where additional office space is located. The open areas/rooms to the west of the office space where sampling locations #2 and #3 where placed had the same concentrations, 1.2 µg/m^3.

TCE was also detected at all six sub-slab sampling locations. Both syringe grab samples and confirmation canister grab sub-slab samples were collected at locations #1, #3, #4, and #5. As shown on Table 4 the data comparison between these samples was not as good as expected. For the purpose of comparing the data to the TCE sub-slab soil gas VISL, 30 µg/m^3, the highest value was selected. Sub-slab soil gas was detected between 3.8 and 360 µg/m^3 with sampling locations #1, #2, #4, and #5 being above the soil gas screening level. The highest sub-slab soil gas TCE concentration was detected at the north end of the building where the Gentle Giant Moving & Storage Company has their office and storage space. This was also the area where the highest indoor air concentration was detected. This portion of the building is the closest to the Nu-Style Site and the groundwater monitoring wells were TCE and PCE were detected.

TCE indoor air, ambient air, and sub-slab soil gas sampling results are summarized in the tables below. The highest value detected at each location are shown. Note that in the table, ND = not detected with the reporting limit in parentheses.

TCE Concentrations (Indoor Air)

Sample Location	(µg/m^3)
Indoor Air 2	1.0
Indoor Air 2 Duplicate	1.2
Indoor Air 3	1.2
Indoor Air 4	2.7
Indoor Air 5	0.96
Indoor Air 6	0.52
Outside Ambient Air	ND (0.49)

EPA RSL Commercial Indoor Air for TCE is 3.0 µg/m^3

TCE Concentrations (Sub-Slab Soil Gas)

Sample Location	(µg/m^3)
SS-1	183
SS-2	183
SS-3	3.8
SS-4	360
SS-5	51
SS-6	4.3

EPA RSL Commercial Sub-Slab Soil Gas for TCE is 30 µg/m^3

8.2 Tetrachloroethene/PCE Sampling Results and Discussions

The PCE indoor air data were compared to the EPA Vapor Intrusion Screening Level (VISL), which is based on Regional Screening Level (RSL) for commercial properties, 47 µg/m^3. PCE sub-slab soil gas data were compared to the VISL, 470 µg/m^3.

PCE was not detected above the reporting limits at the five indoor air sampling locations and therefore are below the indoor air screening level, 47 µg/m^3. PCE was also not detected above the reporting limit in the ambient air, therefore it did not contribute to the indoor air concentrations.

PCE was also detected at four of the six sub-slab sampling locations, #1, #3, #4, and #5. Both syringe grab samples and confirmation canister grab sub-slab samples were collected at locations #1, #3, #4, and #5. As shown on Table 4 the data comparison between these samples was not as good as expected. For the purpose of comparing the data to the PCE sub-slab soil gas VISL, 470 µg/m^3, the highest value was selected. Sub-slab soil gas was detected between 1.7 and 122 µg/m^3, which are well below the soil gas screening level. The highest sub-slab soil gas PCE concentration was detected at the north end of the building where the Gentle Giant Moving & Storage Company has their office and storage space. This was also the area where the highest TCE indoor air and soil gas concentrations were detected. This portion of the building is the closest to the Nu-Style Site and the groundwater monitoring wells were TCE and PCE were

detected.

PCE indoor air, ambient air, and sub-slab soil gas sampling results are summarized in the tables below. The highest value detected at each location are shown. Note that in the table, ND = not detected with the reporting limit in parentheses.

PCE Concentrations (Indoor Air)

Sample Location	(µg/m^3)
Indoor Air 2	ND (0.75)
Indoor Air 2 Duplicate	ND (0.65)
Indoor Air 3	ND (0.68)
Indoor Air 4	ND (0.64)
Indoor Air 5	ND (0.68)
Indoor Air 6	ND (0.64)
Outside Ambient Air	ND (0.62)

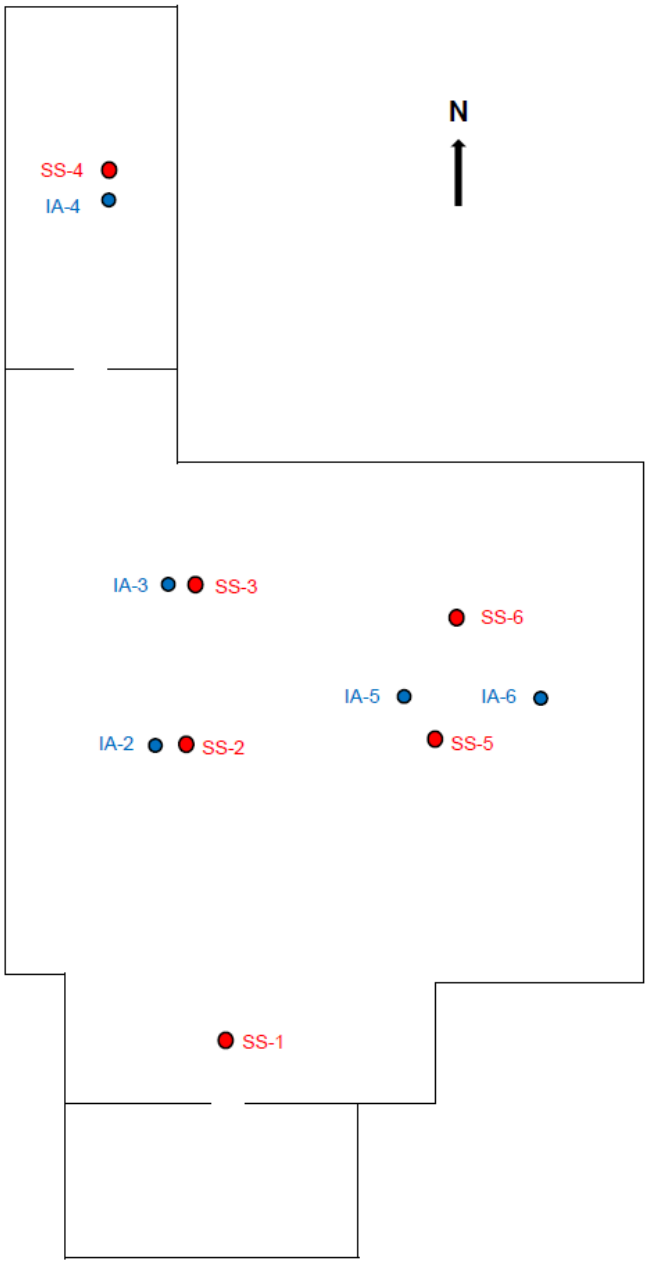
EPA RSL Commercial Indoor Air for PCE is 47 µg/m^3

PCE Concentrations (Sub-Slab Soil Gas)

Sample Location	(µg/m^3)
SS-1	4.7
SS-2	ND (3.4)
SS-3	5.4
SS-4	122
SS-5	1.7
SS-6	ND (3.4)

EPA RSL Commercial Sub-Slab Soil Gas for PCE is 470 µg/m^3

Figure 4
25 Grove Street Franklin, MA Sampling Locations and Data



Sample Location Indoor Air	TCE (µg/m³)
Indoor Air 2	1.0
Indoor Air 2 Duplicate	1.2
Indoor Air 3	1.2
Indoor Air 4	2.7
Indoor Air 5	0.96
Indoor Air 6	0.52
Outside Ambient Air	ND (0.49)

Sample Location Soil Gas	TCE (µg/m³)
SS-1	183
SS-2	183
SS-3	3.8
SS-4	360
SS-5	51
SS-6	4.3

Sample Location Indoor Air	PCE (µg/m³)
Indoor Air 2	ND (0.75)
Indoor Air 2 Duplicate	ND (0.65)
Indoor Air 3	ND (0.68)
Indoor Air 4	ND (0.64)
Indoor Air 5	ND (0.68)
Indoor Air 6	ND (0.64)
Outside Ambient Air	ND (0.62)

Sample Location Soil Gas	PCE (µg/m³)
SS-1	4.7
SS-2	ND (3.4)
SS-3	5.4
SS-4	122
SS-5	1.7
SS-6	ND (3.4)

Scale: Approimately 1 inch = 20 feet

- Sub-Slab Sampling Locations (e.g. SS-2)
- Indoor Air Sampling Locations (e.g. IA-2)

8.3 Non Target Compounds Sampling Results and Discussions

In addition to the target compounds detected in the indoor air and soil gas samples, several non-target compounds were also detected. Table 3 shows a summary of the indoor air and soil gas canister data for all compounds (target and non-target) detected above their reporting limits. A description of the product use for these compounds is presented in Appendix D.

In general, there have been studies showing levels of indoor pollutants can be 25% – 62% higher than outdoor air pollutant levels. Outdoor air continually infiltrates a typical building bringing with it pollutants that will accumulate, resulting in measurable levels that maybe higher inside than out. Comparing the indoor air and soil gas sampling results, it appears the non-target indoor air concentrations are higher than soil gas. Comparing the indoor air and ambient air results, it appears the following compounds had similar or slightly lower concentrations in ambient air than indoor air: benzene, cyclohexane, dichlorodifluoromethane, hexane, methyl ethyl ketone, methylchloride, toluene, trichlorofluoromethane, and m/p-xylenes. As a result, compounds detected inside the building are most likely associated with sources inside building or outside in the ambient air and not from contaminated soils or groundwater beneath or adjacent to the building.

TABLES

Table 1 – EPA Method TO15 Target VOC List
Table 2 – Duplicate Sampling Results
Table 3 – Indoor Air, Ambient Air and Soil Gas Canister Sampling Results Summary
Table 4 – Soil Gas Grab, Indoor Air Grab and Indoor Air 8-hour Sampling Results

TABLE 1 - EPA METHOD TO15 TARGET VOC LIST

EPA New England TO-15 VOC Reported Compounds	CAS No.
1, 1, 1-Trichloroethane	71-55-6
1, 1, 2, 2-Tetrachloroethane	79-34-5
1, 1, 2-Trichloroethane	79-00-5
1, 1-Dichloroethane	75-34-3
1, 1-Dichloroethylene	75-35-4
1, 2, 4-Trichlorobenzene	120-82-1
1, 2, 4-Trimethylbenzene	95-63-6
1, 2-Dibromoethane	106-93-4
1, 2-Dichlorobenzene	95-50-1
1, 2-Dichloroethane	107-06-2
1, 2-Dichloropropane	78-87-5
1, 3, 5-Trimethylbenzene	108-67-8
1, 3-Butadiene	106-99-0
1, 3-Dichlorobenzene (m-Dichlorobenzene)	541-73-1
1, 4-Dichlorobenzene (p-Dichlorobenzene)	106-46-7
2-Hexanone	591-78-6
4-Ethyl Toluene	622-96-8
Acrylonitrile	107-13-1
Allyl Chloride	107-05-1
Benzene	71-43-2
Benzylchloride	100-44-7
Bromodichloromethane	75-27-4
Bromoform	75-25-2
Carbon Tetrachloride	56-23-5
Chlorobenzene	108-90-7
Chloroethane (Ethyl chloride)	75-00-3
Chloroform	67-66-3
Cyclohexane	110-82-7
Dibromochloromethane	124-48-1
Dichlorodifluoromethane (F12)	1320-37-2
Dichlorotetrafluoroethane	1320-37-2
Ethylbenzene	100-41-4
Heptane	142-82-5
Hexachloro-1, 3-butadiene (Hexachlorobutadiene)	87-68-3
Hexane (n-Hexane)	110-54-3
Methyl Ethyl Ketone (2-butanone)	78-93-3
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1
Methyl-t-butyl ether	1634-04-4
Methylbromide (Bromomethane)	74-83-9
Methylchloride (Chloromethane)	74-87-3
Methylene Chloride	75-09-2
Styrene	100-42-5
Tetrachloroethene	127-18-4
Tetrahydrofuran	109-99-9
Toluene	108-88-3
Trichloroethene	79-01-6
Trichlorofluoromethane	75-69-4
Trichlorotrifluoroethane	76-13-1
Vinyl Bromide	593-60-2
Vinyl chloride	75-01-4
cis-1, 2-Dichloroethene	156-59-2
cis-1,3-Dichloropropene	10061-01-5
1, 3-Dichloropropene	542-75-6
m, p-Xylene (Xylene, mixture)	1330-20-7
m-Xylene	108-38-3
p-Xylene	106-42-3
o-Xylene	95-47-6
trans-1, 2-Dichloroethene	156-60-5
trans-1, 3-Dichloropropene	10061-02-6

TABLE 2
DUPLICATE SAMPLING RESULTS
25 GROVE STREET
FRANKLIN, MA

COMPOUND	INDOOR AIR SAMPLING LOCATION 2		
	CANISTER #6579 15-Dec-14 8-HOUR AVG. ($\mu g/m^3$)	DUPLICATE CANISTER #6582 15-Dec-14 8-HOUR AVG. ($\mu g/m^3$)	RPD (%)
Trichloroethene	**1.0**	**1.2**	**18**
Tetrachloroethene	**ND (0.75)**	**ND (0.65)**	**NA**
1,2,4-Trimethylbenzene	1.0	0.75	29
4-Ethyltoluene	0.98	0.83	17
Benzene	1.2	1.4	15
Cyclohexane	0.90	1.0	11
Dichlorodifluoromethane	2.6	2.8	7
Ethylbenzene	0.70	0.78	11
Hexane	39	27	36
Methyl Ethyl Ketone	0.51	0.40	24
Methyl Isobutyl Ketone	ND (0.45)	0.42	NA
Methylchloride	0.90	0.95	5
Methylene Chloride	0.46	0.47	2
Toluene	4.3	5.3	21
Trichlorofluoromethane	1.4	1.5	7
m/p-Xylenes	2.2	2.5	13
o-Xylene	0.82	0.89	8

NOTES: ND = Not detected above reporting limits; reporting limit in parentheses
NA = not applicable, concentrations for these compounds were either less than 10 times the reporting limit or not detected above the reporting limits to calcualte an RPD
Compounds in bold type are target compounds for project.

TABLE 3
INDOOR AIR, AMBIENT AIR AND SOIL GAS CANISTER SAMPLING RESULTS SUMMARY
25 GROVE STREET
NU-STYLE SITE
FRANKLIN, MA

COMPOUND	INDOOR AIR LOCATION 2 CANISTER #6579 15-Dec-14 8-HOUR AVG. (µg/m³)	INDOOR AIR LOCATION 2 DUPLICATE CANISTER #6582 15-Dec-14 8-HOUR AVG. (µg/m³)	INDOOR AIR LOCATION 3 CANISTER #22684 15-Dec-14 8-HOUR AVG. (µg/m³)	INDOOR AIR LOCATION 4 CANISTER #22683 15-Dec-14 8-HOUR AVG. (µg/m³)	INDOOR AIR LOCATION 5 CANISTER #6581 15-Dec-14 8-HOUR AVG. (µg/m³)	INDOOR AIR LOCATION 6 CANISTER #4742 15-Dec-14 8-HOUR AVG. (µg/m³)	SUB-SLAB SOIL GAS SS-1 CANISTER #22688 15-Dec-14 GRAB SAMPLE (µg/m³)	SUB-SLAB SOIL GAS SS-3 CANISTER #12570 15-Dec-14 GRAB SAMPLE (µg/m³)	SUB-SLAB SOIL GAS SS-4 CANISTER #22694 15-Dec-14 GRAB SAMPLE (µg/m³)	SUB-SLAB SOIL GAS SS-5 CANISTER #14897 15-Dec-14 GRAB SAMPLE (µg/m³)	AMBIENT AIR OUTSIDE CANISTER #12562 15-Dec-14 8-HOUR AVG. (µg/m³)
Trichloroethene	**1.0**	**1.2**	**1.2**	**2.7**	**0.96**	**0.52**	**85**	**1.2**	**170**	**24**	**ND (0.49)**
Tetrachloroethene	**ND (0.75)**	**ND (0.65)**	**ND (0.68)**	**ND (0.64)**	**ND (0.68)**	**ND (0.64)**	**ND (1.1)**	**1.8**	**48**	**1.7**	**ND (0.62)**
1,1,1-Trichloroethane	ND (0.60)	ND (0.52)	ND (0.55)	ND (0.51)	ND (0.55)	ND (0.52)	ND (0.87)	3.4	ND (0.49)	ND (0.87)	ND (0.50)
1,1-Dichloroethene	ND (0.44)	ND (0.38)	ND (0.40)	ND (0.37)	ND (0.40)	ND (0.38)	ND (0.63)	0.58	ND (3.6)	ND (0.63)	ND (0.36)
1,2,4-Trimethylbenzene	1.0	0.75	1.2	2.3	0.99	0.74	ND (0.79)	0.92	ND (4.4)	ND (0.79)	ND (0.45)
1,3,5-Trimethylbenzene	ND (0.54)	ND (0.47)	ND (0.49)	0.74	ND (0.49)	ND (0.47)	ND (0.79)	ND (0.37)	ND (4.4)	ND (0.79)	ND (0.45)
4-Ethyltoluene	0.98	0.83	1.2	2.2	0.96	0.81	ND (0.79)	0.62	ND (4.4)	ND (0.79)	ND (0.45)
Benzene	1.2	1.4	1.4	1.7	1.3	1.5	0.61	0.79	ND (2.9)	0.56	0.91
Cyclohexane	0.90	1.0	1.2	2.4	1.0	1.3	ND (0.55)	0.52	ND (3.1)	ND (0.55)	0.34
Dichlorodifluoromethane	2.6	2.8	2.7	2.7	2.7	2.8	2.4	2.6	ND (4.4)	1.6	2.4
Ethylbenzene	0.70	0.78	0.94	1.5	0.81	0.95	ND (0.69)	0.39	ND (3.9)	ND (0.69)	ND (0.40)
Hexane	39	27	26	39	39	39	0.95	2.2	ND (3.2)	0.95	25
Methyl Ethyl Ketone	0.51	0.40	0.64	0.65	0.52	0.50	ND (0.47)	0.73	ND (2.6)	0.51	0.47
Methyl Isobutyl Ketone	ND (0.45)	0.42	ND (0.41)	ND (0.38)	ND (0.41)	ND (0.39)	ND (0.66)	ND (0.31)	ND (3.7)	ND (0.66)	ND (0.38)
Methylchloride	0.90	0.95	0.95	0.93	0.95	0.95	0.68	0.68	ND (1.9)	0.62	0.95
Methylene Chloride	0.46	0.47	0.49	0.51	0.49	0.46	ND (0.56)	0.32	ND (3.1)	ND (0.56)	ND (0.32)
Toluene	4.3	5.3	5.7	8.1	4.9	5.5	1.3	4.0	ND (3.4)	1.8	2.6
Trichlorofluoromethane	1.4	1.5	1.5	1.7	1.5	1.4	1.1	1.5	ND (5.1)	1.3	1.3
m/p-Xylenes	2.2	2.5	3.0	4.6	2.6	3.1	ND (1.4)	1.2	ND (7.8)	ND (1.4)	1.1
o-Xylene	0.82	0.89	1.1	1.7	0.92	1.1	ND (0.69)	0.58	ND (3.9)	ND (0.69)	ND (0.40)

NOTES: ND = Not detected above reporting limits; reporting limit in parentheses
Compounds in bold type are target compounds for project.

Table 4
December 15, 2014
25 Grove Street
Nu-Style Site
Franklin, MA
Soil Gas Grab, Indoor Air Grab and Indoor Air 8-Hour Sampling Data

Sample Location	TCE ($\mu g/m^3$)	PCE ($\mu g/m^3$)
Location 1		
SS-1: Sub-slab soil gas syringe grab sample	183	ND (3.4)
SS-1: Sub-slab soil gas syringe grab sample, duplicate	177	4.7
SS-1: canister sub-slab grab sample (canister #22688)	85	ND (1.1)
Location 2		
Indoor air 8-hour canister sample (canister #6579)	1.0	ND (0.75)
Indoor air 8-hour canister sample,duplicate (canister #6582)	1.2	ND (0.65)
SS-2: Sub-slab soil gas syringe grab sample	161	ND (3.4)
SS-2: Sub-slab soil gas syringe grab sample, duplicate	183	ND (3.4)
Location 3		
Grab-1: indoor air syringe grab sample at canister sample	ND (3.8)	ND (3.4)
Indoor air 8-hour canister sample (canister #22684)	1.2	ND (0.68)
SS-3: Sub-slab soil gas syringe grab sample	3.8	5.4
SS-3: Sub-slab soil gas syringe grab sample, duplicate	ND (3.8)	5.4
SS-3: canister sub-slab grab sample (canister #12570)	1.2	1.8
Location 4		
Grab-2: indoor air syringe grab sample at canister sample	ND (3.8)	ND (3.4)
Grab-2: indoor air syringe grab sample at canister sample, duplicate	ND (3.8)	ND (3.4)
Indoor air 8-hour canister sample (canister #22683)	2.7	ND (0.64)
SS-4: Sub-slab soil gas syringe grab sample	360	122
SS-4: canister sub-slab grab sample (canister #22694)	170	48
Location 5		
Indoor air 8-hour canister sample (canister #6581)	0.96	ND (0.68)
SS-5: Sub-slab soil gas syringe grab sample	51	ND (3.4)
SS-5: canister sub-slab grab sample (canister #14897)	24	1.7
Location 6		
Grab-3: indoor air syringe grab sample at canister sample	ND (3.8)	ND (3.4)
Indoor air 8-hour canister sample (canister #4742)	0.52	ND (0.64)
SS-6: Sub-slab soil gas syringe grab sample	ND (3.8)	ND (3.4)
SS-6: Sub-slab soil gas syringe grab sample, duplicate	4.3	ND (3.4)
Outside/Ambient Air		
Ambient air 8-hour canister sample (canister #12562)	ND (0.49)	ND (0.62)

NOTES:
ND = Not detected above reporting limits; reporting limit in parentheses
TCE = Trichloroethene, PCE = Tetrachloroethene

APPENDIX A

METEOROLOGICAL DATA

NORWOOD MEMORIAL AIRPORT
NORWOOD, MA
Pre-Sampling Period December 13, 2014 Meteorological Data

Date	Time (LST)	Dry Bulb Temp (F)	Wet Bulb Temp (F)	Dew Point Temp (F)	Relative Humidity (%)	Wind Speed (MPH)	Wind Direction (degrees)	Wind Gusts (MPH)	Atmospheric Pressure (in. hg)	Precipitation Total (in)
12/13/2014	0:53	33	31	27	79	5	300		29.81	
	1:53	33	30	26	75	7	270		29.81	
	2:53	33	30	25	72	8	290		29.80	
	3:53	32	29	25	75	7	280		29.80	
	4:53	31	29	25	78	6	280		29.79	
	5:53	31	29	25	78	6	300		29.79	
	6:53	31	29	24	75	6	300		29.79	
	7:53	32	29	25	75	7	300		29.81	
	8:53	33	30	25	72	8	300		29.81	
	9:53	35	31	25	67	9	310		29.81	
	10:53	38	33	26	62	10	310		29.79	
	11:53	40	35	26	57	10	320		29.76	Trace
	12:53	41	35	26	55	14	300	18	29.74	
	13:53	41	35	26	55	15	280		29.73	
	14:53	41	35	26	55	9	300		29.73	
	15:53	40	35	26	57	8	310		29.74	
	16:53	39	34	26	60	9	290		29.73	
	17:53	39	34	26	60	8	310		29.74	
	18:53	37	33	26	65	7	310		29.74	
	19:53	36	32	26	67	10	310		29.74	
	20:53	34	31	25	70	6	300		29.74	
	21:53	33	30	25	72	5	310		29.75	
	22:53	31	29	25	78	0	Calm		29.75	
	23:53	30	28	25	82	0	Calm		29.74	
Average		**35**	**32**	**26**	**68**	**8**	**299**	**18**	**29.77**	
Total										**Trace**

NORWOOD MEMORIAL AIRPORT
NORWOOD, MA
Pre-Sampling Period December 14, 2014 Meteorological Data

Date	Time (LST)	Dry Bulb Temp (F)	Wet Bulb Temp (F)	Dew Point Temp (F)	Relative Humidity (%)	Wind Speed (MPH)	Wind Direction (degrees)	Wind Gusts (MPH)	Atmospheric Pressure (in. hg)	Precipitation Total (in)
12/14/2014	0:53	32	30	26	79	0	Calm		29.74	
	1:53	31	29	25	78	3	250		29.74	
	2:53	30	29	26	85	0	Calm		29.75	
	3:53	29	28	26	89	0	Calm		29.74	
	4:53	29	28	26	89	0	Calm		29.74	
	5:53	30	29	28	92	0	Calm		29.76	
	6:53	31	29	25	78	0	Calm		29.77	
	7:53	30	28	25	82	5	300		29.78	
	8:53	34	31	26	73	5	310		29.78	
	9:53	36	32	26	67	10	310		29.79	
	10:53	39	34	27	62	10	300		29.78	
	11:53	42	36	27	55	6	330		29.75	
	12:53	44	38	28	53	8	320		29.75	
	13:53	44	38	28	53	9	300		29.75	
	14:53	46	39	28	50	7	320		29.75	
	15:53	43	37	28	56	6	300		29.77	
	16:53	40	35	28	62	3	320		29.79	
	17:53	37	34	29	73	6	280		29.80	
	18:53	36	33	28	73	5	290		29.83	
	19:53	34	32	28	79	3	320		29.84	
	20:53	31	30	29	92	0	Calm		29.85	
	21:53	30	29	28	92	0	Calm		29.86	
	22:53	30	29	28	92	0	Calm		29.86	
	23:53	29	28	27	92	0	Calm		29.86	
Average		**35**	**32**	**27**	**75**	**4**	**304**		**29.78**	
Total										**0.00**

NORWOOD MEMORIAL AIRPORT
NORWOOD, MA
Sampling Period December 15, 2104 Meteorological Data

Date	Time (LST)	Dry Bulb Temp (F)	Wet Bulb Temp (F)	Dew Point Temp (F)	Relative Humidity (%)	Wind Speed (MPH)	Wind Direction (degrees)	Wind Gusts (MPH)	Atmospheric Pressure (in. hg)	Precipitation Total (in)
12/15/2014	0:53	29	28	27	92	0	Calm		29.86	
	1:53	29	28	27	92	0	Calm		29.88	
	2:53	28	27	26	92	0	Calm		29.88	
	3:53	27	26	25	92	0	Calm		29.90	
	4:53	27	26	25	92	0	Calm		29.90	
	5:53	25	25	24	96	0	Calm		29.93	
	6:53	26	25	24	92	0	Calm		29.94	
	7:53	28	27	25	89	0	Calm		29.96	
	8:53	35	33	29	79	5	320		29.98	
	9:53	38	34	28	67	8	350		29.99	
	10:53	39	34	27	62	6	Variable		29.98	
	11:53	40	35	27	60	7	Variable		29.98	
	12:53	42	36	27	55	5	350		29.98	
	13:53	43	37	27	53	0	Calm		29.98	
	14:53	44	37	27	51	0	Calm		30.00	
	15:53	41	36	28	60	6	90		30.00	
	16:53	36	34	30	79	0	Calm		30.03	
	17:53	32	Missing	28	Missing	0	Calm		Missing	
	18:53	31	30	27	85	0	Calm		30.07	
	19:53	30	29	27	89	0	Calm		30.09	
	20:53	29	28	27	92	0	Calm		30.08	
	21:53	29	28	27	92	0	Calm		30.08	
	22:53	28	27	26	92	0	Calm		30.10	
	23:53	29	28	27	92	0	Calm		30.10	
Average		**33**	**30**	**27**	**80**	**2**	**278**	**0**	**29.99**	
Total										**0.00**

APPENDIX B

LABORATORY ANALYTICAL REPORT

United States Environmental Protection Agency
Office of Environmental Measurement & Evaluation
11 Technology Drive
North Chelmsford, MA 01863-2431

Laboratory Report

January 12, 2015

Peter Kahn - ECA / OEME
US EPA New England R1

Project Number: 14120021
Project: Nu-Style Inc.- Franklin, MA
Analysis: Air Toxics by GC/MS
EPA Chemist: Dan Curran

Analytical Procedure:

All samples were received and logged in by the laboratory according to the USEPA New England Laboratory SOP for Sample Log-in.

Sample preparation and analysis was done following the EPA Region I SOP, EIASOP-AIRCAN11.

Samples were analyzed by GC/MS using an ion trap mass spectrometer. Samples were introduced to the GC via an Entech preconcentrator using cryofocusing. Analysis SOP is based on Compendium Method TO-15, update January 1999.

Conversion of ppbv to ug/m3 = ppbv*(mw/24.45) 24.45 is based on T=25c and P = 760 mm Hg

Date Samples Received by the Laboratory: 12/16/2014

Data were reviewed in accordance with the internal verification procedures described in the EPA New England Quality Manual for NERL.

Results relate only to the items tested or to the samples as received by the Laboratory. This analytical report shall not be reproduced except in full, without written approval of the laboratory.

If you have any questions please call me at 617-918-8340 .

Sincerely,

Digitally signed by Boudreau, Dan
DN: cn=Boudreau, Dan,
email=Boudreau.Dan@epa.gov
Date: 2015.01.12 10:59:36 -05'00'

14120021$AIRTX

Qualifiers:

RL = Reporting limit
ND = Not Detected above Reporting limit
NA = Not Applicable due to high sample dilutions or sample interferences
NC = Not calculated since analyte concentration is ND.
J = Estimated value
J1 = Estimated value due to MS recovery outside accceptance criteria
J2 = Estimated value due to LFB result outside acceptance criteria
J3 = Estimated value due to RPD result outside acceptance criteria
J4 = Estimated value due to LCS result outside acceptance criteria
E = Estimated value exceeds the calibration range
L = Estimated value is below the calibration range
B = Analyte is associated with the lab blank or trip blank contamination. Values are qualified when the observed concentration of the contamination in the sample extract is less than 10 times the concentration in the blank.
R = No recovery was calculated since the analyte concentration is greater than four times the spike level.

14120021$AIRTX

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Nu-Style Inc.- Franklin, MA

Air Toxics by GC/MS

Client Sample ID:	12562	Lab Sample ID:	AB53801
Date of Collection:	12/15/2014	Matrix:	Air
Date of Preparation:	12/17/2014	Amount Prepared:	500 mL
Date of Analysis:	12/17/2014	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1.85
Wet Weight Prepared:	N/A	pH:	N/A

CAS Number	Compound	Concentration ppbv	Concentration ug/m3	RL ppbv	Qualifier
71-55-6	1,1,1-Trichloroethane	ND	ND	0.092	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND	0.092	
79-00-5	1,1,2-Trichloroethane	ND	ND	0.092	
75-34-3	1,1-Dichloroethane	ND	ND	0.092	
75-35-4	1,1-Dichloroethylene	ND	ND	0.092	
120-82-1	1,2,4-Trichlorobenzene	ND	ND	0.092	
95-63-6	1,2,4-Trimethylbenzene	ND	ND	0.092	
106-93-4	1,2-Dibromoethane	ND	ND	0.092	
95-50-1	1,2-Dichlorobenzene	ND	ND	0.092	
107-06-2	1,2-Dichloroethane	ND	ND	0.092	
78-87-5	1,2-Dichloropropane	ND	ND	0.092	
108-67-8	1,3,5-Trimethylbenzene	ND	ND	0.092	
106-99-0	1,3-Butadiene	ND	ND	0.18	
541-73-1	1,3-Dichlorobenzene	ND	ND	0.092	
106-46-7	1,4-Dichlorobenzene	ND	ND	0.092	
591-78-6	2-Hexanone	ND	ND	0.092	
622-96-8	4-Ethyltoluene	ND	ND	0.092	
107-13-1	Acrylonitrile	ND	ND	0.092	
107-05-1	Allyl Chloride	ND	ND	0.092	
71-43-2	Benzene	**0.29**	**0.91**	0.092	
100-44-7	Benzylchloride	ND	ND	0.092	
75-27-4	Bromodichloromethane	ND	ND	0.092	
75-25-2	Bromoform	ND	ND	0.092	
56-23-5	Carbon Tetrachloride	ND	ND	0.092	
108-90-7	Chlorobenzene	ND	ND	0.092	
75-00-3	Chloroethane	ND	ND	0.092	
67-66-3	Chloroform	ND	ND	0.092	
110-82-7	Cyclohexane	**0.098**	**0.34**	0.092	
124-48-1	Dibromochloromethane	ND	ND	0.092	
75-71-8	Dichlorodifluoromethane	**0.49**	**2.4**	0.092	
1320-37-2	Dichlorotetrafluoroethane	ND	ND	0.092	
100-41-4	Ethylbenzene	ND	ND	0.092	
142-82-5	Heptane	ND	ND	0.092	
87-68-3	Hexachloro-1,3-butadiene	ND	ND	0.092	
110-54-3	Hexane	**7.1**	**25**	0.092	
78-93-3	Methyl Ethyl Ketone	**0.16**	**0.47**	0.092	
108-10-1	Methyl Isobutyl Ketone	ND	ND	0.092	
1634-04-4	Methyl-t-Butyl Ether	ND	ND	0.092	
74-83-9	Methylbromide	ND	ND	0.092	
74-87-3	Methylchloride	**0.46**	**0.95**	0.092	
75-09-2	Methylene Chloride	ND	ND	0.092	
100-42-5	Styrene	ND	ND	0.092	

14120021$AIRTX

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Nu-Style Inc.- Franklin, MA

Air Toxics by GC/MS

Client Sample ID:	12562	Lab Sample ID:	AB53801
Date of Collection:	12/15/2014	Matrix:	Air
Date of Preparation:	12/17/2014	Amount Prepared:	500 mL
Date of Analysis:	12/17/2014	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1.85
Wet Weight Prepared:	N/A	pH:	N/A

CAS Number	Compound	Concentration ppbv	Concentration ug/m3	RL ppbv	Qualifier
127-18-4	Tetrachloroethylene	ND	ND	0.092	
109-99-9	Tetrahydrofuran	ND	ND	0.092	
108-88-3	Toluene	**0.70**	**2.6**	0.092	
79-01-6	Trichloroethylene	ND	ND	0.092	
75-69-4	Trichlorofluoromethane	**0.23**	**1.3**	0.092	
76-13-1	Trichlorotrifluoroethane	ND	ND	0.092	
593-60-2	Vinyl Bromide	ND	ND	0.092	
75-01-4	Vinylchloride	ND	ND	0.092	
156-59-2	c-1,2-Dichloroethylene	ND	ND	0.092	
10061-01-5	c-1,3-Dichloropropylene	ND	ND	0.092	
1330-20-7	m/p-Xylenes	**0.24**	**1.1**	0.18	
95-47-6	o-Xylene	ND	ND	0.092	
156-60-5	t-1,2-Dichloroethylene	ND	ND	0.092	
10061-02-6	t-1,3-Dichloropropylene	ND	ND	0.092	

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichloroethane,d4	118	82 - 135
Bromofluorobenzene	98	76 - 115
Toluene,d8	95	64 - 125

Comments:

14120021$AIRTX

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Nu-Style Inc.- Franklin, MA

Air Toxics by GC/MS

Client Sample ID:	4742	Lab Sample ID:	AB53802
Date of Collection:	12/15/2014	Matrix:	Air
Date of Preparation:	12/17/2014	Amount Prepared:	500 mL
Date of Analysis:	12/17/2014	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1.89
Wet Weight Prepared:	N/A	pH:	N/A

CAS Number	Compound	Concentration ppbv	Concentration ug/m3	RL ppbv	Qualifier
71-55-6	1,1,1-Trichloroethane	ND	ND	0.095	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND	0.095	
79-00-5	1,1,2-Trichloroethane	ND	ND	0.095	
75-34-3	1,1-Dichloroethane	ND	ND	0.095	
75-35-4	1,1-Dichloroethylene	ND	ND	0.095	
120-82-1	1,2,4-Trichlorobenzene	ND	ND	0.095	
95-63-6	1,2,4-Trimethylbenzene	**0.15**	**0.74**	0.095	
106-93-4	1,2-Dibromoethane	ND	ND	0.095	
95-50-1	1,2-Dichlorobenzene	ND	ND	0.095	
107-06-2	1,2-Dichloroethane	ND	ND	0.095	
78-87-5	1,2-Dichloropropane	ND	ND	0.095	
108-67-8	1,3,5-Trimethylbenzene	ND	ND	0.095	
106-99-0	1,3-Butadiene	ND	ND	0.19	
541-73-1	1,3-Dichlorobenzene	ND	ND	0.095	
106-46-7	1,4-Dichlorobenzene	ND	ND	0.095	
591-78-6	2-Hexanone	ND	ND	0.095	
622-96-8	4-Ethyltoluene	**0.16**	**0.81**	0.095	
107-13-1	Acrylonitrile	ND	ND	0.095	
107-05-1	Allyl Chloride	ND	ND	0.095	
71-43-2	Benzene	**0.47**	**1.5**	0.095	
100-44-7	Benzylchloride	ND	ND	0.095	
75-27-4	Bromodichloromethane	ND	ND	0.095	
75-25-2	Bromoform	ND	ND	0.095	
56-23-5	Carbon Tetrachloride	ND	ND	0.095	
108-90-7	Chlorobenzene	ND	ND	0.095	
75-00-3	Chloroethane	ND	ND	0.095	
67-66-3	Chloroform	ND	ND	0.095	
110-82-7	Cyclohexane	**0.37**	**1.3**	0.095	
124-48-1	Dibromochloromethane	ND	ND	0.095	
75-71-8	Dichlorodifluoromethane	**0.57**	**2.8**	0.095	
1320-37-2	Dichlorotetrafluoroethane	ND	ND	0.095	
100-41-4	Ethylbenzene	**0.22**	**0.95**	0.095	
142-82-5	Heptane	ND	ND	0.095	
87-68-3	Hexachloro-1,3-butadiene	ND	ND	0.095	
110-54-3	Hexane	**11**	**39**	0.48	
78-93-3	Methyl Ethyl Ketone	**0.17**	**0.50**	0.095	
108-10-1	Methyl Isobutyl Ketone	ND	ND	0.095	
1634-04-4	Methyl-t-Butyl Ether	ND	ND	0.095	
74-83-9	Methylbromide	ND	ND	0.095	
74-87-3	Methylchloride	**0.46**	**0.95**	0.095	
75-09-2	Methylene Chloride	**0.13**	**0.46**	0.095	
100-42-5	Styrene	ND	ND	0.095	

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US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Nu-Style Inc.- Franklin, MA

Air Toxics by GC/MS

Client Sample ID:	4742	Lab Sample ID:	AB53802
Date of Collection:	12/15/2014	Matrix:	Air
Date of Preparation:	12/17/2014	Amount Prepared:	500 mL
Date of Analysis:	12/17/2014	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1.89
Wet Weight Prepared:	N/A	pH:	N/A

CAS Number	Compound	Concentration ppbv	Concentration ug/m3	RL ppbv	Qualifier
127-18-4	Tetrachloroethylene	ND	ND	0.095	
109-99-9	Tetrahydrofuran	ND	ND	0.095	
108-88-3	Toluene	**1.5**	**5.5**	0.095	
79-01-6	Trichloroethylene	**0.096**	**0.52**	0.095	
75-69-4	Trichlorofluoromethane	**0.25**	**1.4**	0.095	
76-13-1	Trichlorotrifluoroethane	ND	ND	0.095	
593-60-2	Vinyl Bromide	ND	ND	0.095	
75-01-4	Vinylchloride	ND	ND	0.095	
156-59-2	c-1,2-Dichloroethylene	ND	ND	0.095	
10061-01-5	c-1,3-Dichloropropylene	ND	ND	0.095	
1330-20-7	m/p-Xylenes	**0.72**	**3.1**	0.19	
95-47-6	o-Xylene	**0.24**	**1.1**	0.095	
156-60-5	t-1,2-Dichloroethylene	ND	ND	0.095	
10061-02-6	t-1,3-Dichloropropylene	ND	ND	0.095	

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichloroethane,d4	117	82 - 135
Bromofluorobenzene	94	76 - 115
Toluene,d8	92	64 - 125

Comments: Hexane result is from a 9.45 fold dilution analyzed 12/18/14.

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US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Nu-Style Inc.- Franklin, MA

Air Toxics by GC/MS

Client Sample ID:	6581	Lab Sample ID:	AB53803
Date of Collection:	12/15/2014	Matrix:	Air
Date of Preparation:	12/17/2014	Amount Prepared:	500 mL
Date of Analysis:	12/17/2014	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	2.04
Wet Weight Prepared:	N/A	pH:	N/A

CAS Number	Compound	Concentration ppbv	Concentration ug/m3	RL ppbv	Qualifier
71-55-6	1,1,1-Trichloroethane	ND	ND	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND	0.10	
79-00-5	1,1,2-Trichloroethane	ND	ND	0.10	
75-34-3	1,1-Dichloroethane	ND	ND	0.10	
75-35-4	1,1-Dichloroethylene	ND	ND	0.10	
120-82-1	1,2,4-Trichlorobenzene	ND	ND	0.10	
95-63-6	1,2,4-Trimethylbenzene	**0.20**	**0.99**	0.10	
106-93-4	1,2-Dibromoethane	ND	ND	0.10	
95-50-1	1,2-Dichlorobenzene	ND	ND	0.10	
107-06-2	1,2-Dichloroethane	ND	ND	0.10	
78-87-5	1,2-Dichloropropane	ND	ND	0.10	
108-67-8	1,3,5-Trimethylbenzene	ND	ND	0.10	
106-99-0	1,3-Butadiene	ND	ND	0.20	
541-73-1	1,3-Dichlorobenzene	ND	ND	0.10	
106-46-7	1,4-Dichlorobenzene	ND	ND	0.10	
591-78-6	2-Hexanone	ND	ND	0.10	
622-96-8	4-Ethyltoluene	**0.20**	**0.96**	0.10	
107-13-1	Acrylonitrile	ND	ND	0.10	
107-05-1	Allyl Chloride	ND	ND	0.10	
71-43-2	Benzene	**0.42**	**1.3**	0.10	
100-44-7	Benzylchloride	ND	ND	0.10	
75-27-4	Bromodichloromethane	ND	ND	0.10	
75-25-2	Bromoform	ND	ND	0.10	
56-23-5	Carbon Tetrachloride	ND	ND	0.10	
108-90-7	Chlorobenzene	ND	ND	0.10	
75-00-3	Chloroethane	ND	ND	0.10	
67-66-3	Chloroform	ND	ND	0.10	
110-82-7	Cyclohexane	**0.30**	**1.0**	0.10	
124-48-1	Dibromochloromethane	ND	ND	0.10	
75-71-8	Dichlorodifluoromethane	**0.54**	**2.7**	0.10	
1320-37-2	Dichlorotetrafluoroethane	ND	ND	0.10	
100-41-4	Ethylbenzene	**0.19**	**0.81**	0.10	
142-82-5	Heptane	ND	ND	0.10	
87-68-3	Hexachloro-1,3-butadiene	ND	ND	0.10	
110-54-3	Hexane	**11**	**39**	0.50	
78-93-3	Methyl Ethyl Ketone	**0.18**	**0.52**	0.10	
108-10-1	Methyl Isobutyl Ketone	ND	ND	0.10	
1634-04-4	Methyl-t-Butyl Ether	ND	ND	0.10	
74-83-9	Methylbromide	ND	ND	0.10	
74-87-3	Methylchloride	**0.46**	**0.95**	0.10	
75-09-2	Methylene Chloride	**0.14**	**0.49**	0.10	
100-42-5	Styrene	ND	ND	0.10	

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US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Nu-Style Inc.- Franklin, MA

Air Toxics by GC/MS

Client Sample ID:	6581	Lab Sample ID:	AB53803
Date of Collection:	12/15/2014	Matrix:	Air
Date of Preparation:	12/17/2014	Amount Prepared:	500 mL
Date of Analysis:	12/17/2014	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	2.04
Wet Weight Prepared:	N/A	pH:	N/A

CAS Number	Compound	Concentration ppbv	Concentration ug/m3	RL ppbv	Qualifier
127-18-4	Tetrachloroethylene	ND	ND	0.10	
109-99-9	Tetrahydrofuran	ND	ND	0.10	
108-88-3	Toluene	**1.3**	**4.9**	0.10	
79-01-6	Trichloroethylene	**0.18**	**0.96**	0.10	
75-69-4	Trichlorofluoromethane	**0.26**	**1.5**	0.10	
76-13-1	Trichlorotrifluoroethane	ND	ND	0.10	
593-60-2	Vinyl Bromide	ND	ND	0.10	
75-01-4	Vinylchloride	ND	ND	0.10	
156-59-2	c-1,2-Dichloroethylene	ND	ND	0.10	
10061-01-5	c-1,3-Dichloropropylene	ND	ND	0.10	
1330-20-7	m/p-Xylenes	**0.60**	**2.6**	0.20	
95-47-6	o-Xylene	**0.21**	**0.92**	0.10	
156-60-5	t-1,2-Dichloroethylene	ND	ND	0.10	
10061-02-6	t-1,3-Dichloropropylene	ND	ND	0.10	

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichloroethane,d4	119	82 - 135
Bromofluorobenzene	94	76 - 115
Toluene,d8	94	64 - 125

Comments: Hexane result is from a 10.2 fold dilution analyzed 12/18/14.

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US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Nu-Style Inc.- Franklin, MA

Air Toxics by GC/MS

Client Sample ID:	22683	Lab Sample ID:	AB53804
Date of Collection:	12/15/2014	Matrix:	Air
Date of Preparation:	12/17/2014	Amount Prepared:	500 mL
Date of Analysis:	12/17/2014	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1.87
Wet Weight Prepared:	N/A	pH:	N/A

CAS Number	Compound	Concentration ppbv	Concentration ug/m3	RL ppbv	Qualifier
71-55-6	1,1,1-Trichloroethane	ND	ND	0.094	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND	0.094	
79-00-5	1,1,2-Trichloroethane	ND	ND	0.094	
75-34-3	1,1-Dichloroethane	ND	ND	0.094	
75-35-4	1,1-Dichloroethylene	ND	ND	0.094	
120-82-1	1,2,4-Trichlorobenzene	ND	ND	0.094	
95-63-6	1,2,4-Trimethylbenzene	**0.46**	**2.3**	0.094	
106-93-4	1,2-Dibromoethane	ND	ND	0.094	
95-50-1	1,2-Dichlorobenzene	ND	ND	0.094	
107-06-2	1,2-Dichloroethane	ND	ND	0.094	
78-87-5	1,2-Dichloropropane	ND	ND	0.094	
108-67-8	1,3,5-Trimethylbenzene	**0.15**	**0.74**	0.094	
106-99-0	1,3-Butadiene	ND	ND	0.19	
541-73-1	1,3-Dichlorobenzene	ND	ND	0.094	
106-46-7	1,4-Dichlorobenzene	ND	ND	0.094	
591-78-6	2-Hexanone	ND	ND	0.094	
622-96-8	4-Ethyltoluene	**0.44**	**2.2**	0.094	
107-13-1	Acrylonitrile	ND	ND	0.094	
107-05-1	Allyl Chloride	ND	ND	0.094	
71-43-2	Benzene	**0.53**	**1.7**	0.094	
100-44-7	Benzylchloride	ND	ND	0.094	
75-27-4	Bromodichloromethane	ND	ND	0.094	
75-25-2	Bromoform	ND	ND	0.094	
56-23-5	Carbon Tetrachloride	ND	ND	0.094	
108-90-7	Chlorobenzene	ND	ND	0.094	
75-00-3	Chloroethane	ND	ND	0.094	
67-66-3	Chloroform	ND	ND	0.094	
110-82-7	Cyclohexane	**0.71**	**2.4**	0.094	
124-48-1	Dibromochloromethane	ND	ND	0.094	
75-71-8	Dichlorodifluoromethane	**0.56**	**2.7**	0.094	
1320-37-2	Dichlorotetrafluoroethane	ND	ND	0.094	
100-41-4	Ethylbenzene	**0.35**	**1.5**	0.094	
142-82-5	Heptane	ND	ND	0.094	
87-68-3	Hexachloro-1,3-butadiene	ND	ND	0.094	
110-54-3	Hexane	**11**	**39**	0.47	
78-93-3	Methyl Ethyl Ketone	**0.22**	**0.65**	0.094	
108-10-1	Methyl Isobutyl Ketone	ND	ND	0.094	
1634-04-4	Methyl-t-Butyl Ether	ND	ND	0.094	
74-83-9	Methylbromide	ND	ND	0.094	
74-87-3	Methylchloride	**0.45**	**0.93**	0.094	
75-09-2	Methylene Chloride	**0.15**	**0.51**	0.094	
100-42-5	Styrene	ND	ND	0.094	

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US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Nu-Style Inc.- Franklin, MA

Air Toxics by GC/MS

Client Sample ID:	22683	Lab Sample ID:	AB53804
Date of Collection:	12/15/2014	Matrix:	Air
Date of Preparation:	12/17/2014	Amount Prepared:	500 mL
Date of Analysis:	12/17/2014	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1.87
Wet Weight Prepared:	N/A	pH:	N/A

CAS Number	Compound	Concentration ppbv	Concentration ug/m3	RL ppbv	Qualifier
127-18-4	Tetrachloroethylene	ND	ND	0.094	
109-99-9	Tetrahydrofuran	ND	ND	0.094	
108-88-3	Toluene	**2.1**	**8.1**	0.094	
79-01-6	Trichloroethylene	**0.51**	**2.7**	0.094	
75-69-4	Trichlorofluoromethane	**0.30**	**1.7**	0.094	
76-13-1	Trichlorotrifluoroethane	ND	ND	0.094	
593-60-2	Vinyl Bromide	ND	ND	0.094	
75-01-4	Vinylchloride	ND	ND	0.094	
156-59-2	c-1,2-Dichloroethylene	ND	ND	0.094	
10061-01-5	c-1,3-Dichloropropylene	ND	ND	0.094	
1330-20-7	m/p-Xylenes	**1.1**	**4.6**	0.19	
95-47-6	o-Xylene	**0.40**	**1.7**	0.094	
156-60-5	t-1,2-Dichloroethylene	ND	ND	0.094	
10061-02-6	t-1,3-Dichloropropylene	ND	ND	0.094	

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichloroethane,d4	117	82 - 135
Bromofluorobenzene	96	76 - 115
Toluene,d8	94	64 - 125

Comments: Hexane result is from a 9.35 fold dilution analyzed 12/18/14.

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US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Nu-Style Inc.- Franklin, MA

Air Toxics by GC/MS

Client Sample ID:	22684	Lab Sample ID:	AB53805
Date of Collection:	12/15/2014	Matrix:	Air
Date of Preparation:	12/17/2014	Amount Prepared:	500 mL
Date of Analysis:	12/17/2014	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	2.07
Wet Weight Prepared:	N/A	pH:	N/A

CAS Number	Compound	Concentration ppbv	Concentration ug/m3	RL ppbv	Qualifier
71-55-6	1,1,1-Trichloroethane	ND	ND	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND	0.10	
79-00-5	1,1,2-Trichloroethane	ND	ND	0.10	
75-34-3	1,1-Dichloroethane	ND	ND	0.10	
75-35-4	1,1-Dichloroethylene	ND	ND	0.10	
120-82-1	1,2,4-Trichlorobenzene	ND	ND	0.10	
95-63-6	1,2,4-Trimethylbenzene	**0.25**	**1.2**	0.10	
106-93-4	1,2-Dibromoethane	ND	ND	0.10	
95-50-1	1,2-Dichlorobenzene	ND	ND	0.10	
107-06-2	1,2-Dichloroethane	ND	ND	0.10	
78-87-5	1,2-Dichloropropane	ND	ND	0.10	
108-67-8	1,3,5-Trimethylbenzene	ND	ND	0.10	
106-99-0	1,3-Butadiene	ND	ND	0.20	
541-73-1	1,3-Dichlorobenzene	ND	ND	0.10	
106-46-7	1,4-Dichlorobenzene	ND	ND	0.10	
591-78-6	2-Hexanone	ND	ND	0.10	
622-96-8	4-Ethyltoluene	**0.25**	**1.2**	0.10	
107-13-1	Acrylonitrile	ND	ND	0.10	
107-05-1	Allyl Chloride	ND	ND	0.10	
71-43-2	Benzene	**0.44**	**1.4**	0.10	
100-44-7	Benzylchloride	ND	ND	0.10	
75-27-4	Bromodichloromethane	ND	ND	0.10	
75-25-2	Bromoform	ND	ND	0.10	
56-23-5	Carbon Tetrachloride	ND	ND	0.10	
108-90-7	Chlorobenzene	ND	ND	0.10	
75-00-3	Chloroethane	ND	ND	0.10	
67-66-3	Chloroform	ND	ND	0.10	
110-82-7	Cyclohexane	**0.36**	**1.2**	0.10	
124-48-1	Dibromochloromethane	ND	ND	0.10	
75-71-8	Dichlorodifluoromethane	**0.56**	**2.7**	0.10	
1320-37-2	Dichlorotetrafluoroethane	ND	ND	0.10	
100-41-4	Ethylbenzene	**0.22**	**0.94**	0.10	
142-82-5	Heptane	ND	ND	0.10	
87-68-3	Hexachloro-1,3-butadiene	ND	ND	0.10	
110-54-3	Hexane	**7.5**	**26**	0.10	
78-93-3	Methyl Ethyl Ketone	**0.22**	**0.64**	0.10	
108-10-1	Methyl Isobutyl Ketone	ND	ND	0.10	
1634-04-4	Methyl-t-Butyl Ether	ND	ND	0.10	
74-83-9	Methylbromide	ND	ND	0.10	
74-87-3	Methylchloride	**0.46**	**0.95**	0.10	
75-09-2	Methylene Chloride	**0.14**	**0.49**	0.10	
100-42-5	Styrene	ND	ND	0.10	

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US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Nu-Style Inc.- Franklin, MA

Air Toxics by GC/MS

Client Sample ID:	22684	Lab Sample ID:	AB53805
Date of Collection:	12/15/2014	Matrix:	Air
Date of Preparation:	12/17/2014	Amount Prepared:	500 mL
Date of Analysis:	12/17/2014	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	2.07
Wet Weight Prepared:	N/A	pH:	N/A

CAS Number	Compound	Concentration ppbv	Concentration ug/m3	RL ppbv	Qualifier
127-18-4	Tetrachloroethylene	ND	ND	0.10	
109-99-9	Tetrahydrofuran	ND	ND	0.10	
108-88-3	Toluene	**1.5**	**5.7**	0.10	
79-01-6	Trichloroethylene	**0.23**	**1.2**	0.10	
75-69-4	Trichlorofluoromethane	**0.27**	**1.5**	0.10	
76-13-1	Trichlorotrifluoroethane	ND	ND	0.10	
593-60-2	Vinyl Bromide	ND	ND	0.10	
75-01-4	Vinylchloride	ND	ND	0.10	
156-59-2	c-1,2-Dichloroethylene	ND	ND	0.10	
10061-01-5	c-1,3-Dichloropropylene	ND	ND	0.10	
1330-20-7	m/p-Xylenes	**0.70**	**3.0**	0.20	
95-47-6	o-Xylene	**0.26**	**1.1**	0.10	
156-60-5	t-1,2-Dichloroethylene	ND	ND	0.10	
10061-02-6	t-1,3-Dichloropropylene	ND	ND	0.10	

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichloroethane,d4	111	82 - 135
Bromofluorobenzene	96	76 - 115
Toluene,d8	96	64 - 125

Comments:

14120021$AIRTX

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Nu-Style Inc.- Franklin, MA

Air Toxics by GC/MS

Client Sample ID:	6579	Lab Sample ID:	AB53806
Date of Collection:	12/15/2014	Matrix:	Air
Date of Preparation:	12/17/2014	Amount Prepared:	500 mL
Date of Analysis:	12/17/2014	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	2.21
Wet Weight Prepared:	N/A	pH:	N/A

CAS Number	Compound	Concentration ppbv	Concentration ug/m3	RL ppbv	Qualifier
71-55-6	1,1,1-Trichloroethane	ND	ND	0.11	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND	0.11	
79-00-5	1,1,2-Trichloroethane	ND	ND	0.11	
75-34-3	1,1-Dichloroethane	ND	ND	0.11	
75-35-4	1,1-Dichloroethylene	ND	ND	0.11	
120-82-1	1,2,4-Trichlorobenzene	ND	ND	0.11	
95-63-6	1,2,4-Trimethylbenzene	**0.21**	**1.0**	0.11	
106-93-4	1,2-Dibromoethane	ND	ND	0.11	
95-50-1	1,2-Dichlorobenzene	ND	ND	0.11	
107-06-2	1,2-Dichloroethane	ND	ND	0.11	
78-87-5	1,2-Dichloropropane	ND	ND	0.11	
108-67-8	1,3,5-Trimethylbenzene	ND	ND	0.11	
106-99-0	1,3-Butadiene	ND	ND	0.22	
541-73-1	1,3-Dichlorobenzene	ND	ND	0.11	
106-46-7	1,4-Dichlorobenzene	ND	ND	0.11	
591-78-6	2-Hexanone	ND	ND	0.11	
622-96-8	4-Ethyltoluene	**0.20**	**0.98**	0.11	
107-13-1	Acrylonitrile	ND	ND	0.11	
107-05-1	Allyl Chloride	ND	ND	0.11	
71-43-2	Benzene	**0.36**	**1.2**	0.11	
100-44-7	Benzylchloride	ND	ND	0.11	
75-27-4	Bromodichloromethane	ND	ND	0.11	
75-25-2	Bromoform	ND	ND	0.11	
56-23-5	Carbon Tetrachloride	ND	ND	0.11	
108-90-7	Chlorobenzene	ND	ND	0.11	
75-00-3	Chloroethane	ND	ND	0.11	
67-66-3	Chloroform	ND	ND	0.11	
110-82-7	Cyclohexane	**0.26**	**0.90**	0.11	
124-48-1	Dibromochloromethane	ND	ND	0.11	
75-71-8	Dichlorodifluoromethane	**0.52**	**2.6**	0.11	
1320-37-2	Dichlorotetrafluoroethane	ND	ND	0.11	
100-41-4	Ethylbenzene	**0.16**	**0.70**	0.11	
142-82-5	Heptane	ND	ND	0.11	
87-68-3	Hexachloro-1,3-butadiene	ND	ND	0.11	
110-54-3	Hexane	**11**	**39**	0.55	
78-93-3	Methyl Ethyl Ketone	**0.17**	**0.51**	0.11	
108-10-1	Methyl Isobutyl Ketone	ND	ND	0.11	
1634-04-4	Methyl-t-Butyl Ether	ND	ND	0.11	
74-83-9	Methylbromide	ND	ND	0.11	
74-87-3	Methylchloride	**0.44**	**0.90**	0.11	
75-09-2	Methylene Chloride	**0.13**	**0.46**	0.11	
100-42-5	Styrene	ND	ND	0.11	

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US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Nu-Style Inc.- Franklin, MA

Air Toxics by GC/MS

Client Sample ID:	6579	Lab Sample ID:	AB53806
Date of Collection:	12/15/2014	Matrix:	Air
Date of Preparation:	12/17/2014	Amount Prepared:	500 mL
Date of Analysis:	12/17/2014	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	2.21
Wet Weight Prepared:	N/A	pH:	N/A

CAS Number	Compound	Concentration ppbv	Concentration ug/m3	RL ppbv	Qualifier
127-18-4	Tetrachloroethylene	ND	ND	0.11	
109-99-9	Tetrahydrofuran	ND	ND	0.11	
108-88-3	Toluene	**1.1**	**4.3**	0.11	
79-01-6	Trichloroethylene	**0.19**	**1.0**	0.11	
75-69-4	Trichlorofluoromethane	**0.25**	**1.4**	0.11	
76-13-1	Trichlorotrifluoroethane	ND	ND	0.11	
593-60-2	Vinyl Bromide	ND	ND	0.11	
75-01-4	Vinylchloride	ND	ND	0.11	
156-59-2	c-1,2-Dichloroethylene	ND	ND	0.11	
10061-01-5	c-1,3-Dichloropropylene	ND	ND	0.11	
1330-20-7	m/p-Xylenes	**0.51**	**2.2**	0.22	
95-47-6	o-Xylene	**0.19**	**0.82**	0.11	
156-60-5	t-1,2-Dichloroethylene	ND	ND	0.11	
10061-02-6	t-1,3-Dichloropropylene	ND	ND	0.11	

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichloroethane,d4	120	82 - 135
Bromofluorobenzene	92	76 - 115
Toluene,d8	97	64 - 125

Comments: Hexane result is from a 11.05 fold dilution analyzed 12/18/14.

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US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Nu-Style Inc.- Franklin, MA

Laboratory Blank

Client Sample ID:	N/A	Lab Sample ID:	N/A
Date of Collection:	N/A	Matrix:	Air
Date of Preparation:	12/18/2014	Amount Prepared:	500 mL
Date of Analysis:	12/18/2014	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A

CAS Number	Compound	Concentration ppbv	Concentration ug/m3	RL ppbv	Qualifier
71-55-6	1,1,1-Trichloroethane	ND	ND	0.05	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND	0.05	
79-00-5	1,1,2-Trichloroethane	ND	ND	0.05	
75-34-3	1,1-Dichloroethane	ND	ND	0.05	
75-35-4	1,1-Dichloroethylene	ND	ND	0.05	
120-82-1	1,2,4-Trichlorobenzene	ND	ND	0.05	
95-63-6	1,2,4-Trimethylbenzene	ND	ND	0.05	
106-93-4	1,2-Dibromoethane	ND	ND	0.05	
95-50-1	1,2-Dichlorobenzene	ND	ND	0.05	
107-06-2	1,2-Dichloroethane	ND	ND	0.05	
78-87-5	1,2-Dichloropropane	ND	ND	0.05	
108-67-8	1,3,5-Trimethylbenzene	ND	ND	0.05	
106-99-0	1,3-Butadiene	ND	ND	0.10	
541-73-1	1,3-Dichlorobenzene	ND	ND	0.05	
106-46-7	1,4-Dichlorobenzene	ND	ND	0.05	
591-78-6	2-Hexanone	ND	ND	0.05	
622-96-8	4-Ethyltoluene	ND	ND	0.05	
107-13-1	Acrylonitrile	ND	ND	0.05	
107-05-1	Allyl Chloride	ND	ND	0.05	
71-43-2	Benzene	ND	ND	0.05	
100-44-7	Benzylchloride	ND	ND	0.05	
75-27-4	Bromodichloromethane	ND	ND	0.05	
75-25-2	Bromoform	ND	ND	0.05	
56-23-5	Carbon Tetrachloride	ND	ND	0.05	
108-90-7	Chlorobenzene	ND	ND	0.05	
75-00-3	Chloroethane	ND	ND	0.05	
67-66-3	Chloroform	ND	ND	0.05	
110-82-7	Cyclohexane	ND	ND	0.05	
124-48-1	Dibromochloromethane	ND	ND	0.05	
75-71-8	Dichlorodifluoromethane	ND	ND	0.05	
1320-37-2	Dichlorotetrafluoroethane	ND	ND	0.05	
100-41-4	Ethylbenzene	ND	ND	0.05	
142-82-5	Heptane	ND	ND	0.05	
87-68-3	Hexachloro-1,3-butadiene	ND	ND	0.05	
110-54-3	Hexane	ND	ND	0.05	
78-93-3	Methyl Ethyl Ketone	ND	ND	0.05	
108-10-1	Methyl Isobutyl Ketone	ND	ND	0.05	
1634-04-4	Methyl-t-Butyl Ether	ND	ND	0.05	
74-83-9	Methylbromide	ND	ND	0.05	
74-87-3	Methylchloride	ND	ND	0.05	
75-09-2	Methylene Chloride	ND	ND	0.05	
100-42-5	Styrene	ND	ND	0.05	

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US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Nu-Style Inc.- Franklin, MA

Laboratory Blank

Client Sample ID:	N/A	Lab Sample ID:	N/A
Date of Collection:	N/A	Matrix:	Air
Date of Preparation:	12/18/2014	Amount Prepared:	500 mL
Date of Analysis:	12/18/2014	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A

CAS Number	Compound	Concentration ppbv	Concentration ug/m3	RL ppbv	Qualifier
127-18-4	Tetrachloroethylene	ND	ND	0.05	
109-99-9	Tetrahydrofuran	ND	ND	0.05	
108-88-3	Toluene	ND	ND	0.05	
79-01-6	Trichloroethylene	ND	ND	0.05	
75-69-4	Trichlorofluoromethane	ND	ND	0.05	
76-13-1	Trichlorotrifluoroethane	ND	ND	0.05	
593-60-2	Vinyl Bromide	ND	ND	0.05	
75-01-4	Vinylchloride	ND	ND	0.05	
156-59-2	c-1,2-Dichloroethylene	ND	ND	0.05	
10061-01-5	c-1,3-Dichloropropylene	ND	ND	0.05	
1330-20-7	m/p-Xylenes	ND	ND	0.10	
95-47-6	o-Xylene	ND	ND	0.05	
156-60-5	t-1,2-Dichloroethylene	ND	ND	0.05	
10061-02-6	t-1,3-Dichloropropylene	ND	ND	0.05	

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichloroethane,d4	115	82 - 135
Bromofluorobenzene	91	76 - 115
Toluene,d8	109	64 - 125

Comments: Blank associated with AB53802, AB53803, AB53804 and AB53806 dilutions.

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US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Nu-Style Inc.- Franklin, MA

Air Toxics by GC/MS

Client Sample ID:	6582	Lab Sample ID:	AB53807
Date of Collection:	12/15/2014	Matrix:	Air
Date of Preparation:	12/17/2014	Amount Prepared:	500 mL
Date of Analysis:	12/17/2014	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1.92
Wet Weight Prepared:	N/A	pH:	N/A

CAS Number	Compound	Concentration ppbv	Concentration ug/m3	RL ppbv	Qualifier
71-55-6	1,1,1-Trichloroethane	ND	ND	0.096	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND	0.096	
79-00-5	1,1,2-Trichloroethane	ND	ND	0.096	
75-34-3	1,1-Dichloroethane	ND	ND	0.096	
75-35-4	1,1-Dichloroethylene	ND	ND	0.096	
120-82-1	1,2,4-Trichlorobenzene	ND	ND	0.096	
95-63-6	1,2,4-Trimethylbenzene	**0.15**	**0.75**	0.096	
106-93-4	1,2-Dibromoethane	ND	ND	0.096	
95-50-1	1,2-Dichlorobenzene	ND	ND	0.096	
107-06-2	1,2-Dichloroethane	ND	ND	0.096	
78-87-5	1,2-Dichloropropane	ND	ND	0.096	
108-67-8	1,3,5-Trimethylbenzene	ND	ND	0.096	
106-99-0	1,3-Butadiene	ND	ND	0.19	
541-73-1	1,3-Dichlorobenzene	ND	ND	0.096	
106-46-7	1,4-Dichlorobenzene	ND	ND	0.096	
591-78-6	2-Hexanone	ND	ND	0.096	
622-96-8	4-Ethyltoluene	**0.17**	**0.83**	0.096	
107-13-1	Acrylonitrile	ND	ND	0.096	
107-05-1	Allyl Chloride	ND	ND	0.096	
71-43-2	Benzene	**0.45**	**1.4**	0.096	
100-44-7	Benzylchloride	ND	ND	0.096	
75-27-4	Bromodichloromethane	ND	ND	0.096	
75-25-2	Bromoform	ND	ND	0.096	
56-23-5	Carbon Tetrachloride	ND	ND	0.096	
108-90-7	Chlorobenzene	ND	ND	0.096	
75-00-3	Chloroethane	ND	ND	0.096	
67-66-3	Chloroform	ND	ND	0.096	
110-82-7	Cyclohexane	**0.30**	**1.0**	0.096	
124-48-1	Dibromochloromethane	ND	ND	0.096	
75-71-8	Dichlorodifluoromethane	**0.56**	**2.8**	0.096	
1320-37-2	Dichlorotetrafluoroethane	ND	ND	0.096	
100-41-4	Ethylbenzene	**0.18**	**0.78**	0.096	
142-82-5	Heptane	ND	ND	0.096	
87-68-3	Hexachloro-1,3-butadiene	ND	ND	0.096	
110-54-3	Hexane	**7.7**	**27**	0.096	
78-93-3	Methyl Ethyl Ketone	**0.14**	**0.40**	0.096	
108-10-1	Methyl Isobutyl Ketone	**0.10**	**0.42**	0.096	
1634-04-4	Methyl-t-Butyl Ether	ND	ND	0.096	
74-83-9	Methylbromide	ND	ND	0.096	
74-87-3	Methylchloride	**0.46**	**0.95**	0.096	
75-09-2	Methylene Chloride	**0.14**	**0.47**	0.096	
100-42-5	Styrene	ND	ND	0.096	

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US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Nu-Style Inc.- Franklin, MA

Air Toxics by GC/MS

Client Sample ID:	6582	Lab Sample ID:	AB53807
Date of Collection:	12/15/2014	Matrix:	Air
Date of Preparation:	12/17/2014	Amount Prepared:	500 mL
Date of Analysis:	12/17/2014	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1.92
Wet Weight Prepared:	N/A	pH:	N/A

CAS Number	Compound	Concentration ppbv	Concentration ug/m3	RL ppbv	Qualifier
127-18-4	Tetrachloroethylene	ND	ND	0.096	
109-99-9	Tetrahydrofuran	ND	ND	0.096	
108-88-3	Toluene	**1.4**	**5.3**	0.096	
79-01-6	Trichloroethylene	**0.22**	**1.2**	0.096	
75-69-4	Trichlorofluoromethane	**0.26**	**1.5**	0.096	
76-13-1	Trichlorotrifluoroethane	ND	ND	0.096	
593-60-2	Vinyl Bromide	ND	ND	0.096	
75-01-4	Vinylchloride	ND	ND	0.096	
156-59-2	c-1,2-Dichloroethylene	ND	ND	0.096	
10061-01-5	c-1,3-Dichloropropylene	ND	ND	0.096	
1330-20-7	m/p-Xylenes	**0.57**	**2.5**	0.19	
95-47-6	o-Xylene	**0.21**	**0.89**	0.096	
156-60-5	t-1,2-Dichloroethylene	ND	ND	0.096	
10061-02-6	t-1,3-Dichloropropylene	ND	ND	0.096	

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichloroethane,d4	113	82 - 135
Bromofluorobenzene	96	76 - 115
Toluene,d8	104	64 - 125

Comments:

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US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Nu-Style Inc.- Franklin, MA

Air Toxics by GC/MS

Client Sample ID:	22688	Lab Sample ID:	AB53808
Date of Collection:	12/15/2014	Matrix:	Air
Date of Preparation:	12/17/2014	Amount Prepared:	250 mL
Date of Analysis:	12/17/2014	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	3.24
Wet Weight Prepared:	N/A	pH:	N/A

CAS Number	Compound	Concentration ppbv	Concentration ug/m3	RL ppbv	Qualifier
71-55-6	1,1,1-Trichloroethane	ND	ND	0.16	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND	0.16	
79-00-5	1,1,2-Trichloroethane	ND	ND	0.16	
75-34-3	1,1-Dichloroethane	ND	ND	0.16	
75-35-4	1,1-Dichloroethylene	ND	ND	0.16	
120-82-1	1,2,4-Trichlorobenzene	ND	ND	0.16	
95-63-6	1,2,4-Trimethylbenzene	ND	ND	0.16	
106-93-4	1,2-Dibromoethane	ND	ND	0.16	
95-50-1	1,2-Dichlorobenzene	ND	ND	0.16	
107-06-2	1,2-Dichloroethane	ND	ND	0.16	
78-87-5	1,2-Dichloropropane	ND	ND	0.16	
108-67-8	1,3,5-Trimethylbenzene	ND	ND	0.16	
106-99-0	1,3-Butadiene	ND	ND	0.32	
541-73-1	1,3-Dichlorobenzene	ND	ND	0.16	
106-46-7	1,4-Dichlorobenzene	ND	ND	0.16	
591-78-6	2-Hexanone	ND	ND	0.16	
622-96-8	4-Ethyltoluene	ND	ND	0.16	
107-13-1	Acrylonitrile	ND	ND	0.16	
107-05-1	Allyl Chloride	ND	ND	0.16	
71-43-2	Benzene	**0.19**	**0.61**	0.16	
100-44-7	Benzylchloride	ND	ND	0.16	
75-27-4	Bromodichloromethane	ND	ND	0.16	
75-25-2	Bromoform	ND	ND	0.16	
56-23-5	Carbon Tetrachloride	ND	ND	0.16	
108-90-7	Chlorobenzene	ND	ND	0.16	
75-00-3	Chloroethane	ND	ND	0.16	
67-66-3	Chloroform	ND	ND	0.16	
110-82-7	Cyclohexane	ND	ND	0.16	
124-48-1	Dibromochloromethane	ND	ND	0.16	
75-71-8	Dichlorodifluoromethane	**0.48**	**2.4**	0.16	
1320-37-2	Dichlorotetrafluoroethane	ND	ND	0.16	
100-41-4	Ethylbenzene	ND	ND	0.16	
142-82-5	Heptane	ND	ND	0.16	
87-68-3	Hexachloro-1,3-butadiene	ND	ND	0.16	
110-54-3	Hexane	**0.27**	**0.95**	0.16	
78-93-3	Methyl Ethyl Ketone	ND	ND	0.16	
108-10-1	Methyl Isobutyl Ketone	ND	ND	0.16	
1634-04-4	Methyl-t-Butyl Ether	ND	ND	0.16	
74-83-9	Methylbromide	ND	ND	0.16	
74-87-3	Methylchloride	**0.33**	**0.68**	0.16	
75-09-2	Methylene Chloride	ND	ND	0.16	
100-42-5	Styrene	ND	ND	0.16	

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US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Nu-Style Inc.- Franklin, MA

Air Toxics by GC/MS

Client Sample ID:	22688	Lab Sample ID:	AB53808
Date of Collection:	12/15/2014	Matrix:	Air
Date of Preparation:	12/17/2014	Amount Prepared:	250 mL
Date of Analysis:	12/17/2014	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	3.24
Wet Weight Prepared:	N/A	pH:	N/A

CAS Number	Compound	Concentration ppbv	Concentration ug/m3	RL ppbv	Qualifier
127-18-4	Tetrachloroethylene	ND	ND	0.16	
109-99-9	Tetrahydrofuran	ND	ND	0.16	
108-88-3	Toluene	**0.35**	**1.3**	0.16	
79-01-6	Trichloroethylene	**16**	**85**	0.16	
75-69-4	Trichlorofluoromethane	**0.19**	**1.1**	0.16	
76-13-1	Trichlorotrifluoroethane	ND	ND	0.16	
593-60-2	Vinyl Bromide	ND	ND	0.16	
75-01-4	Vinylchloride	ND	ND	0.16	
156-59-2	c-1,2-Dichloroethylene	ND	ND	0.16	
10061-01-5	c-1,3-Dichloropropylene	ND	ND	0.16	
1330-20-7	m/p-Xylenes	ND	ND	0.32	
95-47-6	o-Xylene	ND	ND	0.16	
156-60-5	t-1,2-Dichloroethylene	ND	ND	0.16	
10061-02-6	t-1,3-Dichloropropylene	ND	ND	0.16	

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichloroethane,d4	110	82 - 135
Bromofluorobenzene	91	76 - 115
Toluene,d8	104	64 - 125

Comments:

14120021$AIRTX

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Nu-Style Inc.- Franklin, MA

Laboratory Blank

Client Sample ID:	N/A	Lab Sample ID:	N/A
Date of Collection:	N/A	Matrix:	Air
Date of Preparation:	12/17/2014	Amount Prepared:	500 mL
Date of Analysis:	12/17/2014	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A

CAS Number	Compound	Concentration ppbv	Concentration ug/m3	RL ppbv	Qualifier
71-55-6	1,1,1-Trichloroethane	ND	ND	0.05	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND	0.05	
79-00-5	1,1,2-Trichloroethane	ND	ND	0.05	
75-34-3	1,1-Dichloroethane	ND	ND	0.05	
75-35-4	1,1-Dichloroethylene	ND	ND	0.05	
120-82-1	1,2,4-Trichlorobenzene	ND	ND	0.05	
95-63-6	1,2,4-Trimethylbenzene	ND	ND	0.05	
106-93-4	1,2-Dibromoethane	ND	ND	0.05	
95-50-1	1,2-Dichlorobenzene	ND	ND	0.05	
107-06-2	1,2-Dichloroethane	ND	ND	0.05	
78-87-5	1,2-Dichloropropane	ND	ND	0.05	
108-67-8	1,3,5-Trimethylbenzene	ND	ND	0.05	
106-99-0	1,3-Butadiene	ND	ND	0.10	
541-73-1	1,3-Dichlorobenzene	ND	ND	0.05	
106-46-7	1,4-Dichlorobenzene	ND	ND	0.05	
591-78-6	2-Hexanone	ND	ND	0.05	
622-96-8	4-Ethyltoluene	ND	ND	0.05	
107-13-1	Acrylonitrile	ND	ND	0.05	
107-05-1	Allyl Chloride	ND	ND	0.05	
71-43-2	Benzene	ND	ND	0.05	
100-44-7	Benzylchloride	ND	ND	0.05	
75-27-4	Bromodichloromethane	ND	ND	0.05	
75-25-2	Bromoform	ND	ND	0.05	
56-23-5	Carbon Tetrachloride	ND	ND	0.05	
108-90-7	Chlorobenzene	ND	ND	0.05	
75-00-3	Chloroethane	ND	ND	0.05	
67-66-3	Chloroform	ND	ND	0.05	
110-82-7	Cyclohexane	ND	ND	0.05	
124-48-1	Dibromochloromethane	ND	ND	0.05	
75-71-8	Dichlorodifluoromethane	ND	ND	0.05	
1320-37-2	Dichlorotetrafluoroethane	ND	ND	0.05	
100-41-4	Ethylbenzene	ND	ND	0.05	
142-82-5	Heptane	ND	ND	0.05	
87-68-3	Hexachloro-1,3-butadiene	ND	ND	0.05	
110-54-3	Hexane	ND	ND	0.05	
78-93-3	Methyl Ethyl Ketone	ND	ND	0.05	
108-10-1	Methyl Isobutyl Ketone	ND	ND	0.05	
1634-04-4	Methyl-t-Butyl Ether	ND	ND	0.05	
74-83-9	Methylbromide	ND	ND	0.05	
74-87-3	Methylchloride	ND	ND	0.05	
75-09-2	Methylene Chloride	ND	ND	0.05	
100-42-5	Styrene	ND	ND	0.05	

14120021$AIRTX

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Nu-Style Inc.- Franklin, MA

Laboratory Blank

Client Sample ID:	N/A	Lab Sample ID:	N/A
Date of Collection:	N/A	Matrix:	Air
Date of Preparation:	12/17/2014	Amount Prepared:	500 mL
Date of Analysis:	12/17/2014	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A

CAS Number	Compound	Concentration ppbv	Concentration ug/m3	RL ppbv	Qualifier
127-18-4	Tetrachloroethylene	ND	ND	0.05	
109-99-9	Tetrahydrofuran	ND	ND	0.05	
108-88-3	Toluene	ND	ND	0.05	
79-01-6	Trichloroethylene	ND	ND	0.05	
75-69-4	Trichlorofluoromethane	ND	ND	0.05	
76-13-1	Trichlorotrifluoroethane	ND	ND	0.05	
593-60-2	Vinyl Bromide	ND	ND	0.05	
75-01-4	Vinylchloride	ND	ND	0.05	
156-59-2	c-1,2-Dichloroethylene	ND	ND	0.05	
10061-01-5	c-1,3-Dichloropropylene	ND	ND	0.05	
1330-20-7	m/p-Xylenes	ND	ND	0.10	
95-47-6	o-Xylene	ND	ND	0.05	
156-60-5	t-1,2-Dichloroethylene	ND	ND	0.05	
10061-02-6	t-1,3-Dichloropropylene	ND	ND	0.05	

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichloroethane,d4	116	82 - 135
Bromofluorobenzene	95	76 - 115
Toluene,d8	104	64 - 125

Comments:

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US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Nu-Style Inc.- Franklin, MA

Air Toxics by GC/MS

Client Sample ID:	12570	Lab Sample ID:	AB53809
Date of Collection:	12/15/2014	Matrix:	Air
Date of Preparation:	12/17/2014	Amount Prepared:	500 mL
Date of Analysis:	12/17/2014	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1.53
Wet Weight Prepared:	N/A	pH:	N/A

CAS Number	Compound	Concentration ppbv	Concentration ug/m3	RL ppbv	Qualifier
71-55-6	1,1,1-Trichloroethane	**0.63**	**3.4**	0.076	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND	0.076	
79-00-5	1,1,2-Trichloroethane	ND	ND	0.076	
75-34-3	1,1-Dichloroethane	ND	ND	0.076	
75-35-4	1,1-Dichloroethylene	**0.15**	**0.58**	0.076	
120-82-1	1,2,4-Trichlorobenzene	ND	ND	0.076	
95-63-6	1,2,4-Trimethylbenzene	**0.19**	**0.92**	0.076	
106-93-4	1,2-Dibromoethane	ND	ND	0.076	
95-50-1	1,2-Dichlorobenzene	ND	ND	0.076	
107-06-2	1,2-Dichloroethane	ND	ND	0.076	
78-87-5	1,2-Dichloropropane	ND	ND	0.076	
108-67-8	1,3,5-Trimethylbenzene	ND	ND	0.076	
106-99-0	1,3-Butadiene	ND	ND	0.15	
541-73-1	1,3-Dichlorobenzene	ND	ND	0.076	
106-46-7	1,4-Dichlorobenzene	ND	ND	0.076	
591-78-6	2-Hexanone	ND	ND	0.076	
622-96-8	4-Ethyltoluene	**0.13**	**0.62**	0.076	
107-13-1	Acrylonitrile	ND	ND	0.076	
107-05-1	Allyl Chloride	ND	ND	0.076	
71-43-2	Benzene	**0.25**	**0.79**	0.076	
100-44-7	Benzylchloride	ND	ND	0.076	
75-27-4	Bromodichloromethane	ND	ND	0.076	
75-25-2	Bromoform	ND	ND	0.076	
56-23-5	Carbon Tetrachloride	ND	ND	0.076	
108-90-7	Chlorobenzene	ND	ND	0.076	
75-00-3	Chloroethane	ND	ND	0.076	
67-66-3	Chloroform	ND	ND	0.076	
110-82-7	Cyclohexane	**0.15**	**0.52**	0.076	
124-48-1	Dibromochloromethane	ND	ND	0.076	
75-71-8	Dichlorodifluoromethane	**0.52**	**2.6**	0.076	
1320-37-2	Dichlorotetrafluoroethane	ND	ND	0.076	
100-41-4	Ethylbenzene	**0.089**	**0.39**	0.076	
142-82-5	Heptane	ND	ND	0.076	
87-68-3	Hexachloro-1,3-butadiene	ND	ND	0.076	
110-54-3	Hexane	**0.61**	**2.2**	0.076	
78-93-3	Methyl Ethyl Ketone	**0.25**	**0.73**	0.076	
108-10-1	Methyl Isobutyl Ketone	ND	ND	0.076	
1634-04-4	Methyl-t-Butyl Ether	ND	ND	0.076	
74-83-9	Methylbromide	ND	ND	0.076	
74-87-3	Methylchloride	**0.33**	**0.68**	0.076	
75-09-2	Methylene Chloride	**0.093**	**0.32**	0.076	
100-42-5	Styrene	ND	ND	0.076	

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US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Nu-Style Inc.- Franklin, MA

Air Toxics by GC/MS

Client Sample ID:	12570	Lab Sample ID:	AB53809
Date of Collection:	12/15/2014	Matrix:	Air
Date of Preparation:	12/17/2014	Amount Prepared:	500 mL
Date of Analysis:	12/17/2014	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1.53
Wet Weight Prepared:	N/A	pH:	N/A

CAS Number	Compound	Concentration ppbv	Concentration ug/m3	RL ppbv	Qualifier
127-18-4	Tetrachloroethylene	**0.27**	**1.8**	0.076	
109-99-9	Tetrahydrofuran	ND	ND	0.076	
108-88-3	Toluene	**1.1**	**4.0**	0.076	
79-01-6	Trichloroethylene	**0.21**	**1.2**	0.076	
75-69-4	Trichlorofluoromethane	**0.26**	**1.5**	0.076	
76-13-1	Trichlorotrifluoroethane	ND	ND	0.076	
593-60-2	Vinyl Bromide	ND	ND	0.076	
75-01-4	Vinylchloride	ND	ND	0.076	
156-59-2	c-1,2-Dichloroethylene	ND	ND	0.076	
10061-01-5	c-1,3-Dichloropropylene	ND	ND	0.076	
1330-20-7	m/p-Xylenes	**0.28**	**1.2**	0.15	
95-47-6	o-Xylene	**0.13**	**0.58**	0.076	
156-60-5	t-1,2-Dichloroethylene	ND	ND	0.076	
10061-02-6	t-1,3-Dichloropropylene	ND	ND	0.076	

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichloroethane,d4	110	82 - 135
Bromofluorobenzene	95	76 - 115
Toluene,d8	99	64 - 125

Comments:

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US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Nu-Style Inc.- Franklin, MA

Air Toxics by GC/MS

Client Sample ID:	22694	Lab Sample ID:	AB53810
Date of Collection:	12/15/2014	Matrix:	Air
Date of Preparation:	12/17/2014	Amount Prepared:	50 mL
Date of Analysis:	12/17/2014	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	18
Wet Weight Prepared:	N/A	pH:	N/A

CAS Number	Compound	Concentration ppbv	Concentration ug/m3	RL ppbv	Qualifier
71-55-6	1,1,1-Trichloroethane	ND	ND	0.90	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND	0.90	
79-00-5	1,1,2-Trichloroethane	ND	ND	0.90	
75-34-3	1,1-Dichloroethane	ND	ND	0.90	
75-35-4	1,1-Dichloroethylene	ND	ND	0.90	
120-82-1	1,2,4-Trichlorobenzene	ND	ND	0.90	
95-63-6	1,2,4-Trimethylbenzene	ND	ND	0.90	
106-93-4	1,2-Dibromoethane	ND	ND	0.90	
95-50-1	1,2-Dichlorobenzene	ND	ND	0.90	
107-06-2	1,2-Dichloroethane	ND	ND	0.90	
78-87-5	1,2-Dichloropropane	ND	ND	0.90	
108-67-8	1,3,5-Trimethylbenzene	ND	ND	0.90	
106-99-0	1,3-Butadiene	ND	ND	1.8	
541-73-1	1,3-Dichlorobenzene	ND	ND	0.90	
106-46-7	1,4-Dichlorobenzene	ND	ND	0.90	
591-78-6	2-Hexanone	ND	ND	0.90	
622-96-8	4-Ethyltoluene	ND	ND	0.90	
107-13-1	Acrylonitrile	ND	ND	0.90	
107-05-1	Allyl Chloride	ND	ND	0.90	
71-43-2	Benzene	ND	ND	0.90	
100-44-7	Benzylchloride	ND	ND	0.90	
75-27-4	Bromodichloromethane	ND	ND	0.90	
75-25-2	Bromoform	ND	ND	0.90	
56-23-5	Carbon Tetrachloride	ND	ND	0.90	
108-90-7	Chlorobenzene	ND	ND	0.90	
75-00-3	Chloroethane	ND	ND	0.90	
67-66-3	Chloroform	ND	ND	0.90	
110-82-7	Cyclohexane	ND	ND	0.90	
124-48-1	Dibromochloromethane	ND	ND	0.90	
75-71-8	Dichlorodifluoromethane	ND	ND	0.90	
1320-37-2	Dichlorotetrafluoroethane	ND	ND	0.90	
100-41-4	Ethylbenzene	ND	ND	0.90	
142-82-5	Heptane	ND	ND	0.90	
87-68-3	Hexachloro-1,3-butadiene	ND	ND	0.90	
110-54-3	Hexane	ND	ND	0.90	
78-93-3	Methyl Ethyl Ketone	ND	ND	0.90	
108-10-1	Methyl Isobutyl Ketone	ND	ND	0.90	
1634-04-4	Methyl-t-Butyl Ether	ND	ND	0.90	
74-83-9	Methylbromide	ND	ND	0.90	
74-87-3	Methylchloride	ND	ND	0.90	
75-09-2	Methylene Chloride	ND	ND	0.90	
100-42-5	Styrene	ND	ND	0.90	

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US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Nu-Style Inc.- Franklin, MA

Air Toxics by GC/MS

Client Sample ID:	22694	Lab Sample ID:	AB53810
Date of Collection:	12/15/2014	Matrix:	Air
Date of Preparation:	12/17/2014	Amount Prepared:	50 mL
Date of Analysis:	12/17/2014	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	18
Wet Weight Prepared:	N/A	pH:	N/A

CAS Number	Compound	Concentration ppbv	Concentration ug/m3	RL ppbv	Qualifier
127-18-4	Tetrachloroethylene	**7.1**	**48**	0.90	
109-99-9	Tetrahydrofuran	ND	ND	0.90	
108-88-3	Toluene	ND	ND	0.90	
79-01-6	Trichloroethylene	**32**	**170**	0.90	
75-69-4	Trichlorofluoromethane	ND	ND	0.90	
76-13-1	Trichlorotrifluoroethane	ND	ND	0.90	
593-60-2	Vinyl Bromide	ND	ND	0.90	
75-01-4	Vinylchloride	ND	ND	0.90	
156-59-2	c-1,2-Dichloroethylene	ND	ND	0.90	
10061-01-5	c-1,3-Dichloropropylene	ND	ND	0.90	
1330-20-7	m/p-Xylenes	ND	ND	1.8	
95-47-6	o-Xylene	ND	ND	0.90	
156-60-5	t-1,2-Dichloroethylene	ND	ND	0.90	
10061-02-6	t-1,3-Dichloropropylene	ND	ND	0.90	

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichloroethane,d4	109	82 - 135
Bromofluorobenzene	90	76 - 115
Toluene,d8	103	64 - 125

Comments:

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US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Nu-Style Inc.- Franklin, MA

Air Toxics by GC/MS

Client Sample ID:	14897	Lab Sample ID:	AB53811
Date of Collection:	12/15/2014	Matrix:	Air
Date of Preparation:	12/17/2014	Amount Prepared:	250 mL
Date of Analysis:	12/17/2014	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	3.26
Wet Weight Prepared:	N/A	pH:	N/A

CAS Number	Compound	Concentration ppbv	Concentration ug/m3	RL ppbv	Qualifier
71-55-6	1,1,1-Trichloroethane	ND	ND	0.16	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND	0.16	
79-00-5	1,1,2-Trichloroethane	ND	ND	0.16	
75-34-3	1,1-Dichloroethane	ND	ND	0.16	
75-35-4	1,1-Dichloroethylene	ND	ND	0.16	
120-82-1	1,2,4-Trichlorobenzene	ND	ND	0.16	
95-63-6	1,2,4-Trimethylbenzene	ND	ND	0.16	
106-93-4	1,2-Dibromoethane	ND	ND	0.16	
95-50-1	1,2-Dichlorobenzene	ND	ND	0.16	
107-06-2	1,2-Dichloroethane	ND	ND	0.16	
78-87-5	1,2-Dichloropropane	ND	ND	0.16	
108-67-8	1,3,5-Trimethylbenzene	ND	ND	0.16	
106-99-0	1,3-Butadiene	ND	ND	0.32	
541-73-1	1,3-Dichlorobenzene	ND	ND	0.16	
106-46-7	1,4-Dichlorobenzene	ND	ND	0.16	
591-78-6	2-Hexanone	ND	ND	0.16	
622-96-8	4-Ethyltoluene	ND	ND	0.16	
107-13-1	Acrylonitrile	ND	ND	0.16	
107-05-1	Allyl Chloride	ND	ND	0.16	
71-43-2	Benzene	**0.18**	**0.56**	0.16	
100-44-7	Benzylchloride	ND	ND	0.16	
75-27-4	Bromodichloromethane	ND	ND	0.16	
75-25-2	Bromoform	ND	ND	0.16	
56-23-5	Carbon Tetrachloride	ND	ND	0.16	
108-90-7	Chlorobenzene	ND	ND	0.16	
75-00-3	Chloroethane	ND	ND	0.16	
67-66-3	Chloroform	ND	ND	0.16	
110-82-7	Cyclohexane	ND	ND	0.16	
124-48-1	Dibromochloromethane	ND	ND	0.16	
75-71-8	Dichlorodifluoromethane	**0.33**	**1.6**	0.16	
1320-37-2	Dichlorotetrafluoroethane	ND	ND	0.16	
100-41-4	Ethylbenzene	ND	ND	0.16	
142-82-5	Heptane	ND	ND	0.16	
87-68-3	Hexachloro-1,3-butadiene	ND	ND	0.16	
110-54-3	Hexane	**0.27**	**0.95**	0.16	
78-93-3	Methyl Ethyl Ketone	**0.17**	**0.51**	0.16	
108-10-1	Methyl Isobutyl Ketone	ND	ND	0.16	
1634-04-4	Methyl-t-Butyl Ether	ND	ND	0.16	
74-83-9	Methylbromide	ND	ND	0.16	
74-87-3	Methylchloride	**0.30**	**0.62**	0.16	
75-09-2	Methylene Chloride	ND	ND	0.16	
100-42-5	Styrene	ND	ND	0.16	

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US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Nu-Style Inc.- Franklin, MA

Air Toxics by GC/MS

Client Sample ID:	14897	Lab Sample ID:	AB53811
Date of Collection:	12/15/2014	Matrix:	Air
Date of Preparation:	12/17/2014	Amount Prepared:	250 mL
Date of Analysis:	12/17/2014	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	3.26
Wet Weight Prepared:	N/A	pH:	N/A

CAS Number	Compound	Concentration ppbv	Concentration ug/m3	RL ppbv	Qualifier
127-18-4	Tetrachloroethylene	**0.25**	**1.7**	0.16	
109-99-9	Tetrahydrofuran	ND	ND	0.16	
108-88-3	Toluene	**0.48**	**1.8**	0.16	
79-01-6	Trichloroethylene	**4.5**	**24**	0.16	
75-69-4	Trichlorofluoromethane	**0.24**	**1.3**	0.16	
76-13-1	Trichlorotrifluoroethane	ND	ND	0.16	
593-60-2	Vinyl Bromide	ND	ND	0.16	
75-01-4	Vinylchloride	ND	ND	0.16	
156-59-2	c-1,2-Dichloroethylene	ND	ND	0.16	
10061-01-5	c-1,3-Dichloropropylene	ND	ND	0.16	
1330-20-7	m/p-Xylenes	ND	ND	0.32	
95-47-6	o-Xylene	ND	ND	0.16	
156-60-5	t-1,2-Dichloroethylene	ND	ND	0.16	
10061-02-6	t-1,3-Dichloropropylene	ND	ND	0.16	

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichloroethane,d4	111	82 - 135
Bromofluorobenzene	92	76 - 115
Toluene,d8	98	64 - 125

Comments:

14120021$AIRTX

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Nu-Style Inc.- Franklin, MA

Laboratory Duplicate Results

Sample ID: AB53808

PARAMETER	SAMPLE RESULT ppbv	SAMPLE DUPLICATE RESULT ppbv	PRECISION RPD %	QC LIMITS
1,1,1-Trichloroethane	ND	ND	ND	50
1,1,2,2-Tetrachloroethane	ND	ND	ND	50
1,1,2-Trichloroethane	ND	ND	ND	50
1,1-Dichloroethane	ND	ND	ND	50
1,1-Dichloroethylene	ND	ND	ND	50
1,2,4-Trichlorobenzene	ND	ND	ND	50
1,2,4-Trimethylbenzene	ND	ND	ND	50
1,2-Dibromoethane	ND	ND	ND	50
1,2-Dichlorobenzene	ND	ND	ND	50
1,2-Dichloroethane	ND	ND	ND	50
1,2-Dichloropropane	ND	ND	ND	50
1,3,5-Trimethylbenzene	ND	ND	ND	50
1,3-Butadiene	ND	ND	ND	50
1,3-Dichlorobenzene	ND	ND	ND	50
1,4-Dichlorobenzene	ND	ND	ND	50
2-Hexanone	ND	ND	ND	50
4-Ethyltoluene	ND	ND	ND	50
Acrylonitrile	ND	ND	ND	50
Allyl Chloride	ND	ND	ND	50
Benzene	0.192	0.234	19.7	50
Benzylchloride	ND	ND	ND	50
Bromodichloromethane	ND	ND	ND	50
Bromoform	ND	ND	ND	50
Carbon Tetrachloride	ND	ND	ND	50
Chlorobenzene	ND	ND	ND	50
Chloroethane	ND	ND	ND	50
Chloroform	ND	ND	ND	50
Cyclohexane	ND	ND	ND	50
Dibromochloromethane	ND	ND	ND	50
Dichlorodifluoromethane	0.482	0.480	0.416	50
Dichlorotetrafluoroethane	ND	ND	ND	50
Ethylbenzene	ND	ND	ND	50
Heptane	ND	ND	ND	50
Hexachloro-1,3-butadiene	ND	ND	ND	50
Hexane	0.269	0.257	4.56	50
Methyl Ethyl Ketone	ND	ND	ND	50
Methyl Isobutyl Ketone	ND	ND	ND	50
Methyl-t-Butyl Ether	ND	ND	ND	50
Methylbromide	ND	ND	ND	50
Methylchloride	0.329	0.317	3.72	50
Methylene Chloride	ND	ND	ND	50
Styrene	ND	ND	ND	50
Tetrachloroethylene	ND	ND	ND	50
Tetrahydrofuran	ND	ND	ND	50
Toluene	0.352	0.353	0.284	50

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US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Nu-Style Inc.- Franklin, MA

Laboratory Duplicate Results

Sample ID: AB53808

PARAMETER	SAMPLE RESULT ppbv	SAMPLE DUPLICATE RESULT ppbv	PRECISION RPD %	QC LIMITS
Trichloroethylene	15.800	16.200	2.50	50
Trichlorofluoromethane	0.188	0.189	0.530	50
Trichlorotrifluoroethane	ND	ND	ND	50
Vinyl Bromide	ND	ND	ND	50
Vinylchloride	ND	ND	ND	50
c-1,2-Dichloroethylene	ND	ND	ND	50
c-1,3-Dichloropropylene	ND	ND	ND	50
m/p-Xylenes	ND	ND	ND	50
o-Xylene	ND	ND	ND	50
t-1,2-Dichloroethylene	ND	ND	ND	50
t-1,3-Dichloropropylene	ND	ND	ND	50

Comments:

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US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Nu-Style Inc.- Franklin, MA

Laboratory Fortified Blank (LFB) Results

PARAMETER	LFB AMOUNT SPIKED ppb/V	LFB RESULT ppb/V	LFB RECOVERY %	QC LIMITS %
1,1,1-Trichloroethane	1.72	2.14	124	70 - 130
1,1,2,2-Tetrachloroethane	1.72	1.65	96	70 - 130
1,1,2-Trichloroethane	1.72	1.71	99	70 - 130
1,1-Dichloroethane	1.72	2.10	122	70 - 130
1,1-Dichloroethylene	1.72	2.06	120	70 - 130
1,2,4-Trichlorobenzene	1.72	1.49	87	70 - 130
1,2,4-Trimethylbenzene	1.72	1.67	97	70 - 130
1,2-Dibromoethane	1.72	1.81	105	70 - 130
1,2-Dichlorobenzene	1.72	1.60	93	70 - 130
1,2-Dichloroethane	1.72	1.82	106	70 - 130
1,2-Dichloropropane	1.72	1.90	110	70 - 130
1,3,5-Trimethylbenzene	1.72	1.62	94	70 - 130
1,3-Butadiene	3.63	4.28	118	70 - 130
1,3-Dichlorobenzene	1.72	1.64	95	70 - 130
1,4-Dichlorobenzene	1.72	1.68	98	70 - 130
2-Hexanone	1.91	1.14	60	70 - 130
4-Ethyltoluene	1.72	1.74	101	70 - 130
Acrylonitrile	1.72	2.04	119	70 - 130
Allyl Chloride	1.91	2.16	113	70 - 130
Benzene	1.72	1.82	106	70 - 130
Benzylchloride	1.91	1.56	82	70 - 130
Bromodichloromethane	1.91	1.97	103	70 - 130
Bromoform	1.91	1.98	104	70 - 130
Carbon Tetrachloride	1.72	2.08	121	70 - 130
Chlorobenzene	1.72	1.80	105	70 - 130
Chloroethane	1.72	2.10	122	70 - 130
Chloroform	1.72	2.13	124	70 - 130
Cyclohexane	1.91	2.01	105	70 - 130
Dibromochloromethane	1.91	2.22	116	70 - 130
Dichlorodifluoromethane	1.72	2.24	130	70 - 130
Dichlorotetrafluoroethane	1.72	2.17	126	70 - 130
Ethylbenzene	1.72	1.78	103	70 - 130
Heptane	1.91	1.78	93	70 - 130
Hexachloro-1,3-butadiene	1.72	1.34	78	70 - 130
Hexane	1.91	1.98	104	70 - 130
Methyl Ethyl Ketone	1.91	1.73	91	70 - 130
Methyl Isobutyl Ketone	1.72	1.41	82	70 - 130
Methyl-t-Butyl Ether	1.91	2.06	108	70 - 130
Methylbromide	1.72	1.74	101	70 - 130
Methylchloride	1.72	1.78	103	70 - 130
Methylene Chloride	1.72	1.95	113	70 - 130
Styrene	1.72	1.78	103	70 - 130
Tetrachloroethylene	1.72	1.81	105	70 - 130
Tetrahydrofuran	1.91	1.91	100	70 - 130
Toluene	1.72	1.80	105	70 - 130
Trichloroethylene	1.72	1.96	114	70 - 130
Trichlorofluoromethane	1.72	2.05	119	70 - 130
Trichlorotrifluoroethane	1.72	2.12	123	70 - 130
Vinyl Bromide	1.91	2.25	118	70 - 130
Vinylchloride	1.72	2.12	123	70 - 130
c-1,2-Dichloroethylene	1.72	2.05	119	70 - 130
c-1,3-Dichloropropylene	1.72	1.73	101	70 - 130

14120021$AIRTX

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Nu-Style Inc.- Franklin, MA

Laboratory Fortified Blank (LFB) Results

PARAMETER	LFB AMOUNT SPIKED ppb/V	LFB RESULT ppb/V	LFB RECOVERY %	QC LIMITS %
m/p-Xylenes	3.4	3.49	103	70 - 130
o-Xylene	1.72	1.71	99	70 - 130
t-1,2-Dichloroethylene	1.91	2.12	111	70 - 130
t-1,3-Dichloropropylene	1.72	1.65	96	70 - 130

Comments:

14120021$AIRTX

ENVIRONMENTAL PROTECTION AGENCY

REGION 1

CHAIN OF CUSTODY RECORD

Page 38 of 39

PROJ. NO.	PROJECT NAME	NO. OF CONTAINERS	Canister Number	REMARKS
12/3/20021	Nu-Style Site 25 Grove Street			TO-15 GC/MS Analysis

SAMPLERS: (Signature) Stan Kahn

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Canister Number	REMARKS
	12/5/14				Ambient Air		1 2 5 6 2	Outside/Background 8-hour
					Indoor Air 6		4 7 4 2	Indoor Air 8-hour
					Indoor Air 5		6 5 8 1	Indoor Air 8-hour
					Indoor Air 4		2 2 6 8 3	Indoor Air 8-hour
					Indoor Air 3		2 2 6 8 4	Indoor Air 8-hour
					Indoor Air 2		6 5 7 9	Indoor Air 8-hour
					Indoor Air 2 Duplicate		6 5 8 2	Indoor Air 8-hour
					Sub-Slab SS-1		2 2 6 8 8	Soil Gas Grab
					Sub-Slab SS-3		1 2 5 7 0	Soil Gas Grab
					Sub-Slab SS-4		2 2 6 9 4	Soil Gas Grab
	↓				Sub-Slab SS-5		1 4 8 9 7	Soil Gas Grab

14120021 $AIRTX

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Stan Kahn	12/16/14 07:35				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) ESAT	Date / Time	Remarks	
			12/14/14 07:35		

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

APPENDIX C

MOBILE LABORATORY ANALYTICAL REPORT

United States Environmental Protection Agency
Office of Environmental Measurement & Evaluation
11 Technology Drive
North Chelmsford, MA 01863-2431

Laboratory Report

January 12, 2015

Peter Kahn - ECA / OEME
US EPA New England R1

Project Number: 14120028
Project: Nu-Style Inc.- Franklin, MA
Analysis: Volatile Organic Analysis of Air
Analyst: Scott Clifford

Analytical Procedure:

All samples were received and logged in by the laboratory according to the USEPA New England Laboratory SOP for Sample Log-in.

Sample preparation and analysis was done following the EPA Region I SOP, EIASOP-FLDGRAB4.

Air samples were analyzed using Region I's standard air screening method.. Air samples were collected in a 250 uL steel barreled glass syringe, and were analyzed using a Shimadzu gas chromatograph equipped with a 30 meter, 0.53 mm i.d DBPS-624 column with electron capture and photoionizaton detectors. Concentrations of volatile organics were calculated using the external standard technique. Results are reported in parts per billion by volume.

Analytes reported by this field method should be treated as tentatively identified compounds and concentrations are approximate.

Date Samples Received by the Laboratory: 12/23/14

Results relate only to the items tested or to the samples as received by the Laboratory. This analytical report shall not be reproduced except in full, without written approval of the laboratory.

Results for soil samples are reported on a dry weight basis.

If you have any questions please call me at 617-918-8340 .

Sincerely,

Digitally signed by Boudreau, Dan
DN: cn=Boudreau, Dan,
email=Boudreau.Dan@epa.gov
Date: 2015.01.12 11:29:30 -05'00'

14120028$FVOAA

Qualifiers:

RL = Reporting limit
ND = Not Detected above Reporting limit
NA = Not Applicable due to high sample dilutions or sample interferences
NC = Not calculated since analyte concentration is ND.
J = Estimated value
J1 = Estimated value due to MS recovery outside accceptance criteria
J2 = Estimated value due to LFB result outside acceptance criteria
J3 = Estimated value due to RPD result outside acceptance criteria
J4 = Estimated value due to LCS result outside acceptance criteria
E = Estimated value exceeds the calibration range
L = Estimated value is below the calibration range
B = Analyte is associated with the lab blank or trip blank contamination. Values are qualified when the observed concentration of the contamination in the sample extract is less than 10 times the concentration in the blank.
R = No recovery was calculated since the analyte concentration is greater than four times the spike level.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Nu-Style Inc.- Franklin, MA

Volatile Organic Analysis of Air

Lab Sample ID	Client Sample ID	Tetrachloroethylene ppbv	Trichloroethylene ppbv
AB53956	SS-1	ND (0.5)	34
AB53957	SS-1 Dup	0.7	33
AB53958	SS-2	ND (0.5)	30
AB53959	SS-2 Dup	ND (0.5)	34
AB53960	Grab 1	ND (0.5)	ND (0.7)
AB53961	SS-3	0.8	0.7
AB53962	SS-3 Dup	0.8	ND (0.7)
AB53963	SS-4	18	67
AB53964	Grab 2	ND (0.5)	ND (0.7)
AB53965	Grab 2 Dup	ND (0.5)	ND (0.7)
AB53966	SS-5	ND (0.5)	9.4
AB53967	Grab 3	ND (0.5)	ND (0.7)
AB53968	SS-6	ND (0.5)	ND (0.7)
AB53969	SS-6 Dup	ND (0.5)	0.8

APPENDIX D

COMPOUND PRODUCT USE DESCRIPTION

COMPOUND	PRODUCT USE
1, 1,1-trichloroethane	no 1,1,1-trichloroethane is supposed to be manufactured for domestic use in the US after January 1, 2002; it had many industrial and household uses, including use as a solvent to dissolve other substances, such as glues and paints, to remove oil or grease from manufactured metal parts and as an ingredient of household products such as spot cleaners, glues, and aerosol sprays
1,1,2,2-tetrachloroethane	in the past was used in large amounts to produce other chemicals, as an industrial solvent to clean and degrease metals and as an ingredient in paints and pesticides; commercial production for these uses has stopped in the US, presently used only as a chemical intermediate in the production of other chemicals
1,1,2-trichloroethane	used as a solvent and as an intermediate in the production of the chemical 1,1-dichloroethane; is sometimes present as an impurity in other chemicals and it may be formed when another chemical breaks down in the environment under conditions where there is no air
1,1-dichloroethane	in the past was used as a surgical anesthetic, but it is no longer used this way; today it is used primarily to make other chemicals, to dissolve substances such as paint, varnish, and finish removers, and to remove grease
1,1-dichloroethylene	used to make certain plastics, such as flexible films like food wrap and in packaging materials; used to make flame retardant coatings for fiber and carpet backings and in piping, coating for steel pipes and in adhesive applications
1,2,4-trichlorobenzene	used as a solvent to make dyes, pesticides and other chemicals, added to dielectric fluids, transformer oils, cleaners, and lubricants; a gasoline additive; occurs naturally in coal tar and petroleum
1, 2, 4-trimethylbenzene	used as an industrial solvent, paint thinner and in the manufacture of dyes, perfumes, resins, chemical intermediates and pharmaceuticals; enters the environment primarily from gasoline evaporation and as an emission from gasoline-powered vehicles, municipal waste-treatment plants, and coal-fired power stations; emitted from many building materials including: vinyl & rubber molding, particle board, linoleum tile, tar paper, telephone cable, latex paint, foam & duct insulation, urethane sealant, adhesives, latex caulk, and carpet
1,2-dibromoethane	manufactured chemical and also occurs naturally in small amounts in the ocean where it is formed, probably by algae and kelp; used as a pesticide in soil and on citrus, vegetable and grain crops, most of these uses have been stopped by the EPA since 1984; was used as an additive in leaded gasoline, however since leaded gasoline is now banned, it is no longer used for this purpose; uses today include treatment of logs for termites and beetles, control of moths in beehives, as a solvent, as a preparation for dyes and waxes and in waterproofing preparations
1,2-dichlorobenzene	used as a fumigant, solvent, chemical intermediate and to make insecticides
1,2-dichloroethane	manufactured chemical that is not found naturally in the environment; most common use is in the production of vinyl chloride which is used to make a variety of plastic and vinyl products including PVC pipes, furniture and automobile upholstery, wall coverings, house wares and automobile parts; used as a solvent, fumigant, degreaser, paint thinner; added to leaded gasoline to remove lead

COMPOUND	PRODUCT USE
1,2-dichloropropane	does not occur naturally in the environment; production in the US has declined over the past 20 years; was used in the past as a soil fumigant, chemical intermediate and industrial solvent and was found in paint strippers, varnishes and furniture finish removers; most of these uses were discontinued; today used as a chemical intermediate to make perchloroethylene and several other related chlorinated chemical
1, 3, 5-trimethylbenzene	used as an industrial solvent, paint thinner and in the manufacture of dyes, perfumes, resins, chemical intermediates and pharmaceuticals; enters the environment primarily from gasoline evaporation and as an emission from gasoline-powered vehicles, municipal waste-treatment plants, and coal-fired power stations; emitted from many building materials including: vinyl & rubber molding, particle board, linoleum tile, tar paper, telephone cable, latex paint, foam & duct insulation, urethane sealant, adhesives, latex caulk and carpet
1, 3-butadiene	made from the processing of petroleum; about 75% manufactured is used to make synthetic rubber, which is widely used for tires on cars and trucks; used to make plastics including acrylics; small amounts are found in gasoline, automobile exhaust, cigarette smoke and wood fires
1,3-dichlorobenzene	used to make herbicides, insecticides, medicine and dyes
1,4-dichlorobenzene	used as a fumigant to control mildew and mold; used to make insecticides
2-hexanone	used in the past in paint and paint thinner, to make other chemical substances and to dissolve oils and waxes; no longer made or used in the US because it has harmful health effects; formed as a waste product resulting from industrial activities such as making wood pulp and producing gas from coal and in oil shale operations
4-ethyltoluene	man-made chemical used principally as an additive to petroleum; used as a solvent in a variety of industrial, agricultural and domestic products; major release route to the atmosphere is from evaporation of petroleum during production, transport and refueling and from car exhausts; released when used as a solvent
acrylonitrile	used to make other chemicals such as plastics, synthetic rubber and acrylic fibers; a mixture of acrylonitrile and carbon tetrachloride was used as a pesticide in the past; all uses in pesticide have stopped
ally chloride	used to make epichlorohydrin and glycerin; used in the synthesis of allyl compounds such as allyl alcohol, allyl amines, allyl esters and polyesters; derivatives are found in varnish, plastics, adhesives, perfumes, insecticides and pharmaceuticals
benzene	widely used in the US; some industries use it to make other chemicals which are used to make plastics, resins, nylon and synthetic fibers; used to make some types of rubbers, lubricants, dyes, detergents, drugs and pesticides; natural sources include volcanoes and forest fires; a natural part of crude oil and gasoline; found in industrial emissions, waste and storage operations, motor vehicle exhaust, evaporation from gasoline service stations and tobacco smoke
benzylchloride	used as a chemical intermediate in the manufacture of certain dyes, lubricants, gasoline and pharmaceutical products and as a photographic developer; emissions from floor tile plasticized by butyl benzyl phthalate have been reported; has been detected in emissions from the burning of polyvinyl chloride, neoprene and rigid urethane foam compounds

COMPOUND	PRODUCT USE
bromodichloromethane	small amounts are formed naturally by algae in the oceans; only small quantities are produced in the US; small quantities that are produced are used in laboratories or to make other chemicals; most is formed as a by-product when chlorine is added to drinking water to kill bacteria
bromoform	small amounts are formed naturally by plants in the ocean; formed as byproducts when chlorine is added to drinking water to kill bacteria; were used in the past as solvents and flame retardants, or to make other chemicals; small quantities are produced in the US and used mainly as laboratory reagents
carbon tetrachloride	manufactured chemical that does not occur naturally; was used in the production of refrigeration fluid and propellants for aerosol cans, as a pesticide, as a cleaning fluid and degreasing agent, in fire extinguishers and in spot removers; these uses are now banned and it is only used in some industrial applications
chlorobenzene	does not occur naturally in the environment; production in the US has declined by more than 60% from its peak in 1960; was used in the past to make other chemicals, such as phenol and DDT; now chlorobenzene is used as a solvent for some pesticide formulations, to degrease automobile parts, and as a chemical intermediate to make several other chemicals
chloroethane	In the past was used in leaded gasoline; used in the production of cellulose, dyes, medicinal drugs, and other commercial products and as a solvent and refrigerant; used to numb the skin before medical procedures such as ear piercing and skin biopsies and as a treatment in sports injuries
chloroform	used to make other chemicals and can also be formed in small amounts when chlorine is added to water
cyclohexane	occurs naturally in petroleum crude oil, in volcanic gases, and in cigarette smoke; used to make nylon, benzene, cyclohexanone, nitrocyclohexane, adhesives and perfumes; added to lacquers and resins, paint and varnish removers and fungicides; used as a fuel for camp stoves
dibromochloromethane	small amounts are formed naturally by plants in the ocean; formed as byproducts when chlorine is added to drinking water to kill bacteria; were used in the past as solvents and flame retardants or to make other chemicals; small quantities are produced in the US and used mainly as laboratory reagents
dichlorodifluoromethane	used as a refrigerant in air conditioning systems, as a blowing or foaming agent for aerosols, in fire extinguishers; banned in the US along with many other countries in 1994
dichlorotetrafluoromethane	used as a refrigerant in air conditioning systems, as a blowing or foaming agent for aerosols, in fire extinguishers
dichlorotetrafluoroethane	primary use has been as a refrigerant; found in consumer products, such as hair mousse and hairspray aerosol
ethylbenzene	found in natural products such as coal tar and petroleum; found in manufactured products such as inks, insecticides and paints; used primarily to make styrene; used as a solvent and in fuels; releases into the air occur from burning oil, gas and coal

COMPOUND	PRODUCT USE
heptane	produced and used as a solvent in organic synthesis and as a standard for octane-rating determinations; found in gasoline and petroleum-based products
hexachloro-1,3-butadiene	not found naturally in the environment, formed when other chemicals are made; mainly used to make rubber compounds; used as a solvent and to make lubricants, used in gyroscopes, as a heat transfer liquid and as a hydraulic fluid
hexane	made from crude oil; pure *n*-Hexane is used in laboratories; mixed with similar chemicals called solvents and used to extract vegetable oils from crops such as soybeans; these solvents are also used as cleaning agents in the printing, textile, furniture, and shoemaking industries; used in certain kinds of special glues used in the roofing, shoe and leather industries; contained in several consumer products, such as gasoline, quick-drying glues and rubber cement, used in various hobbies
methyl ethyl ketone	manufactured chemical but it is also present in the environment from natural sources; produced in large quantities, nearly half of its use is in paints and other coatings; used in glues and as a cleaning agent; made by some trees and found in some fruits and vegetables in small amounts; also released to the air from car and truck exhausts
methyl isobutyl ketone	occurs naturally in certain foods and beverages; added to protective surface coatings, adhesives, printing ink, and special lubricating oils; used to make pesticides and to separate and purify several other organic; used to make textiles and leather; exposure can occur when people use certain paints, varnishes, or glues
methyl-t-butyl ether	was used since the 1980s as an additive for unleaded gasoline to achieve more efficient burning, today it is not being used and has been replaced by ethanol
methylbromide	manufactured chemical; also occurs naturally in small amounts in the ocean where it is formed, probably by algae and kelp; used to kill a variety of pests including rats, insects and fungi; used to make other chemicals or as a solvent to get oil out of nuts, seeds, and wool
methylchloride	used as a methylating agent, laboratory reagent, refrigerant, aerosol propellant, pesticide, fumigant, fire-extinguishing agent, anesthetic, degreaser, blowing agent for plastic foam and chemical intermediate; present at very low concentrations throughout the atmosphere
methylene chloride	does not occur naturally in the environment; used as an industrial solvent and as a paint stripper; found in some aerosol and pesticide products; used in the manufacture of photographic film
styrene	found in insulation, fiberglass, plastic pipes, automobile parts, shoes, drinking cups and other food containers, carpet backing, tobacco smoke, automobile exhaust and off gases from photocopy machines; used to make plastics and rubber; occurs naturally in a variety of foods such as fruits, vegetables, nuts, beverages and meats
tetrachloroethene	used in dry cleaning and metal degreasing; used to make other chemicals and is used in some consumer products
tetrahydrofuran	used as a solvent for PVC, natural and synthetic resins; used as a monomer and chemical intermediate; used in varnishes

COMPOUND	PRODUCT USE
toluene	occurs naturally in crude oil and in the tolu tree; produced in the process of making gasoline and other fuels from crude oil and making coke from coal; used in making paints, paint thinners, fingernail polish, lacquers, adhesives and rubber and in some printing and leather tanning processes; found in automobile exhaust and tobacco smoke
trichloroethene	used mainly as a solvent to remove grease from metal parts, is an ingredient in adhesives, paint removers, typewriter correction fluids and spot removers
trichlorofluoromethane	was used in consumer products including hair sprays, deodorants and cosmetics, in products to control home and garden insects and pests, in cleaners, spray paints and floor and furniture polish; in industry it was used as a refrigerant, to make foam and as an active part of liquid-type fire extinguishers; it is no longer made in the US
trichlorotrifluoroethane	does not occur naturally; EPA restricted production and after 1995 was significantly lower; used to clean metal surfaces, as a coolant in commercial and industrial air conditioners, as an ingredient in aerosols sprays, by foam makers as a blowing agent, to make high temperature lubricants and fluorocarbon resins and as a dry cleaning solvent
vinyl bromide	used primarily in the production of polymers and copolymers; used in polymers as a flame retardant and in the production of monoacrylic fibers for carpet-backing material; combined with acrylonitrile as a co-monomer, used to produce fabrics and fabric blends used in sleepwear (mostly children's) and home furnishings; when copolymerized with vinyl acetate and maleic anhydride, used to produce granular products; copolymers of vinyl chloride and vinyl bromide are used to prepare films, for impregnating or laminating fibers, and as rubber substitutes; used in leather and fabricated metal products
vinyl chloride	manufactured substance that does not occur naturally; formed when other substances such as trichloroethane, trichloroethylene, and tetrachloroethylene are broken down; used to make PVC, which is used to make a variety of plastic products, including pipes, wire and cable coatings and packaging materials.
cis-1,2-dichloroethene	used to produce solvents and in chemical mixtures
cis-1,3-dichloropropene	used mainly in farming as a pesticide
m/p/o-xylenes	occurs naturally in petroleum and coal tar; chemical industries produce xylene from petroleum; used as a solvent and in the printing, rubber, and leather industries; used as a cleaning agent, a thinner for paint and in paints and varnishes; found in small amounts in airplane fuel and gasoline and cigarette smoke
trans-1,2-dichloroethene	used to produce solvents and in chemical mixtures
trans-1,3-dichloropropene	used mainly in farming as a pesticide

Information Sources: http://www.atsdr.cdc.gov
http://www.epa.gov/chemicalfact/
http://www.epa.gov/ttn/atw/
http://web.doh.state.nj.us

APPENDIX C

REQUEST FOR DETERMINATION OF APPLICABILITY

EcoTec, Inc.

ENVIRONMENTAL CONSULTING SERVICES

102 Grove Street
Worcester, MA 01605-2629
508-752-9666 – Fax: 508-752-9494

May 25, 2023

Breeka LÍ Goodlander, CWS, PWS, CERPIT
Conservation Agent/Natural Resource Protection Manager
Town of Franklin
355 Central Street
Franklin, MA 02038 via mail and email: bgoodlander@franklinma.gov

RE: Request for Determination of Applicability ("RFDA") under the Massachusetts Wetlands Protection Act and Franklin Wetlands Bylaw; Proposed Environmental Investigations and related work, 21 Grove Street, Franklin, Massachusetts; Applicant: Town of Franklin

To the Commission:

Enclosed please find nine (9) copies of the RFDA filed under the Massachusetts Wetlands Protection Act and the Franklin local wetlands bylaw for the above-referenced property. Note that because the Town of Franklin is the owner and applicant, no filing fees are required. EcoTec will pay the Legal Advertisement fee promptly upon notification of the cost of the advertisement. This filing is comprised of:

1. This cover letter;
2. The RFDA Form with all required Appendices and Attachments;
3. The USGS Map Locus with the site indicated;
4. GIS Project Locus;
5. Site Sketch 1"=30';
6. Site Report dated 5/24/2023;
7. Local Application Process Signature Form

One copy of this filing and payment has been submitted by certified mail, return receipt requested to the Central Regional Office of the Department of Environmental Protection. In compliance with the Bylaw, all abutters to the site have been notified of this filing via certified mail, return receipt requested. A certified list of abutters and the form by which the abutters were notified are included in the filing. An affidavit of service is provided in the Site Report.

We look forward to meeting with the Commission regarding this filing. If you have any questions, please feel free to contact me at any time.

Cordially,
ECOTEC, INC.



Paul J. McManus, PWS
President

Cc: DEP-CRO
Bryan W. Taberner, AICP - Director, Planning and Community Development
Tracey Costa, LSP – Verdantas, LLC

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

Franklin
City/Town

WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

A. General Information

Important:
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.





1. Applicant:

Bryan W. Taberner, AICP, Dir. Planning and Comm Dev — Name
btaberner@franklinma.gov — E-Mail Address
355 Central Street — Mailing Address
Franklin — City/Town
MA — State
02038 — Zip Code
508-520-4907 — Phone Number
Fax Number (if applicable)

2. Representative (if any):

EcoTec Inc. — Firm
Paul J. McManus — Contact Name
pmcmanus@ecotecinc.com — E-Mail Address
102 Grove Street — Mailing Address
Worcester — City/Town
MA — State
01605 — Zip Code
508-752-9666 ext 1 — Phone Number
Fax Number (if applicable)

B. Determinations

1. I request the Franklin (Conservation Commission) make the following determination(s). Check any that apply:

☐ a. whether the **area** depicted on plan(s) and/or map(s) referenced below is an area subject to jurisdiction of the Wetlands Protection Act.

☐ b. whether the **boundaries** of resource area(s) depicted on plan(s) and/or map(s) referenced below are accurately delineated.

☒ c. whether the **work** depicted on plan(s) referenced below is subject to the Wetlands Protection Act.

☐ d. whether the area and/or work depicted on plan(s) referenced below is subject to the jurisdiction of any **municipal wetlands ordinance** or **bylaw** of:

Franklin
Name of Municipality

☐ e. whether the following **scope of alternatives** is adequate for work in the Riverfront Area as depicted on referenced plan(s).

C. Project Description

1. a. Project Location (use maps and plans to identify the location of the area subject to this request):

21 Grove Street	Franklin
Street Address	City/Town
276	022
Assessors Map/Plat Number	Parcel/Lot Number

b. Area Description (use additional paper, if necessary):

See attached Site Report and associated figures

c. Plan and/or Map Reference(s):

Site Report	5/24/2023
Title	Date
Title	Date
Title	Date

2. a. Work Description (use additional paper and/or provide plan(s) of work, if necessary):

Proposed environmental investigations with limited vegetation clearing, as detailed in the attached Site Report.

C. Project Description (cont.)

b. Identify provisions of the Wetlands Protection Act or regulations which may exempt the applicant from having to file a Notice of Intent for all or part of the described work (use additional paper, if necessary).

The proposed test borings and sampling are exempt activities under the Act. The proposed vegetation removal is very limited in scope and will have negligible effect on wetland Interests.

3. a. If this application is a Request for Determination of Scope of Alternatives for work in the Riverfront Area, indicate the one classification below that best describes the project.

☐ Single family house on a lot recorded on or before 8/1/96

☐ Single family house on a lot recorded after 8/1/96

☐ Expansion of an existing structure on a lot recorded after 8/1/96

☐ Project, other than a single-family house or public project, where the applicant owned the lot before 8/7/96

☐ New agriculture or aquaculture project

☐ Public project where funds were appropriated prior to 8/7/96

☐ Project on a lot shown on an approved, definitive subdivision plan where there is a recorded deed restriction limiting total alteration of the Riverfront Area for the entire subdivision

☐ Residential subdivision; institutional, industrial, or commercial project

☐ Municipal project

☐ District, county, state, or federal government project

☐ Project required to evaluate off-site alternatives in more than one municipality in an Environmental Impact Report under MEPA or in an alternatives analysis pursuant to an application for a 404 permit from the U.S. Army Corps of Engineers or 401 Water Quality Certification from the Department of Environmental Protection.

b. Provide evidence (e.g., record of date subdivision lot was recorded) supporting the classification above (use additional paper and/or attach appropriate documents, if necessary.)

D. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Request for Determination of Applicability and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge.

I further certify that the property owner, if different from the applicant, and the appropriate DEP Regional Office were sent a complete copy of this Request (including all appropriate documentation) simultaneously with the submittal of this Request to the Conservation Commission.

Failure by the applicant to send copies in a timely manner may result in dismissal of the Request for Determination of Applicability.

Name and address of the property owner:

Town of Franklin
Name

355 Central Street
Mailing Address

Franklin
City/Town

MA
State

02038
Zip Code

Signatures:

I also understand that notification of this Request will be placed in a local newspaper at my expense in accordance with Section 10.05(3)(b)(1) of the Wetlands Protection Act regulations.

Signature of Applicant

5/24/2023
Date

Signature of Representative (if any)

5/24/2023
Date

Town of Franklin Conservation Commission

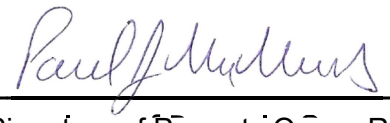
APPLICATION PROCESS SIGNATURE FORM

There are three different applications that can be submitted to undertake work in a jurisdictional area: a Notice of Intent (NOI), a Request for Determination (RDA) and a Minor Buffer Zone Activity (MBZA). All three applications have different criteria for submission and approval and the NOI and RDA are governed by both the state law and the local bylaw. The MBZA is issued under the local bylaw only.

When a potential applicant requests advice from the Conservation Agent on which application to file, the opinion of the Agent is based on the information given by the potential applicant and any other information available to the Agent, e.g. the town's GIS system. The Agent has no legal right to go onto private property at any time until after an application is filed or permission of the property owner is given.

It is important that all applicants understand that after an application is filed, additional information may come to light e.g. via a field inspection or a review of the application, that may impact the scope of the submitted application and the approval process. **Therefore, it is the ultimate responsibility of the applicant to decide which application to file.**

In light of the above, please sign below indicating an understanding of this policy and submit it with the application.



Signature of Property Owner Representative

5/24/2023

Date

Paul J. McManus, EcoTec Inc.

Signature of Property Owner

EcoTec, Inc.

ENVIRONMENTAL CONSULTING SERVICES
102 Grove Street
Worcester, MA 01605-2629
508-752-9666 – Fax: 508-752-9494

Site Report
To Accompany
Request for Determination of Applicability

Proposed Environmental Investigations
21 Grove Street
[Assessor's Lot 276-022]
Franklin, MA

Prepared for:

Bryan W. Taberner, AICP
Director, Planning and Community Development
Town of Franklin
355 Central Street
Franklin, MA 02038

Prepared by:

Paul J. McManus, LSP, SPWS
President
EcoTec Inc.
102 Grove Street
Worcester, MA 01605

Tracey Costa, LSP, CHMM, TURP, ENV-SP
Senior Project Manager
Verdantas LLC
273 West Main Street
Norton, MA 02766

May 24, 2023

INTRODUCTION

This Site Report has been prepared by EcoTec and Verdantas to supplement a Request for Determination of Applicability ("RFDA") filing related to Town of Franklin property located at 21 Grove Street in Franklin, MA. Information contained herein related to site history, past and proposed environmental investigations and findings, has been provided by Tracey Costa, LSP, of Verdantas, LLC. Wetland resource characterization and related information is provided by Paul McManus, LSP, PWS of EcoTec.

SITE LOCATION

The area subject to this Site Report and related RFDA filing is located on the west side of Grove Street, abutting Mine Brook in the Unionville portion of Franklin. A USGS Locus Map, a more localized locus map, and a site figure are appended. Investigations are proposed to evaluate the site in accordance with the Massachusetts Contingency Plan ("MCP") regulations at 310 CMR 40.000, as outlined below.

PROJECT DESCRIPTION AND SITE HISTORY

The Site consists of an approximate 0.83-acre parcel and is improved with an approximately 4,000 square-foot (SF) collapsing building (constructed circa 1945) situated at the western portion of the Site, which shares a northern structural wall with a commercial building located at Lot 28 (abutting property). The Site building is surrounded on three sides by a fenced enclosure. A former building at the eastern portion of the Site (formerly referenced as 87 Grove Street/Lot 27) was demolished in 2012. The Town acquired Lot 22 in 2002 and Lot 27 in 2005 as tax takings. The two lots have been combined and are now referred to as Lot 22. Lot 26 abuts Lot 22 on the southern Site property boundary.

The Site is in an area of mixed residential, industrial, and commercial use. Mine Brook flows along the western and southern perimeter of the Site. Lot 26 is south of Mine Brook. The Site is abutted by a marble and granite commercial business to the north/northeast; a Massachusetts Bay Transportation Authority (MBTA) commuter rail line to the north; Grove Street to the east/southeast; and, Old Forge Road to the west/southwest.

The following is a brief summary of the environmental history of the Site, based on a cursory review of available reports and documents:

1. **Site History**: In the 1800s, the Site building was used as the "Old Mill" by the Whitney Worsted Co. textile factory and dye house. The Site (Lot 22) was occupied by Franklin Paint Co. in the 1950s and NuStyle Jewelry Factory (NuStyle) in the 1980s. The Lot 27 building was occupied by Unionville Woolen Mills in the 1960s. A 1975 plan for a proposed addition to the Lot 27 building indicated that this building was a manufacturing plant and the Lot 22 building was a garage. The Lot 22 building was most recently used by a construction company for vehicular repair until it was vacated in 1989 (IES, 1990). Operations on both site parcels ceased in late 1989.
2. **Oil and/or hazardous material (OHM) Storage and Usage**: Industrial processes used at the Site included electroplating and metals finishing, and chemicals including heavy metals (including nickel and chromium), acids, bases, cyanides, oils, and

chlorinated solvents. Process equipment and chemicals were abandoned at the site when Nu-Style declared bankruptcy in approximately 1991 and were removed by USEPA during a CERCLA Removal Action in 1992.

3. **Underground Storage Tanks (USTs)**: Two 2,000-gallon, one 5,000-gallon and one 1,000-gallon USTs were removed from the Site in 1990 and one or more of the USTs reportedly contained solvents. One (5,000-gallon) No. 2 fuel oil UST (located to the west of the former Site building) was removed from the Lot 27 parcel in 2007. Reportedly, "A heating oil tank reportedly existed in an underground bunker on the same side of the building". It is unclear if this is a separate tank and whether it was removed.

4. **Raceway**: An approximate 70-foot-long underground raceway extended beneath the former (Lot 27) building and westerly to Lot 22 and the existing Site building and reportedly connected to Mine Brook. Impacted soils within a portion of the raceway (Lot 27) were remediated in 2013 under a Release Abatement Measure (RAM) Plan.

5. **Hazardous Building Materials**: A 2014 hazardous building material survey indicated the presence of asbestos-containing materials (ACM) in building materials.

6. **Building Condition**: Based on an engineering evaluation conducted in 2015, there is evidence of structural engineering issues to the northerly (Lot 28) building, attributed to the collapsing Lot 22 Site building. Stabilization of the structural wall is required to mitigate ongoing damage to the adjacent occupied building.

7. **Release Condition**: A release of tetrachloroethylene (PCE), trichloroethene (TCE) and lead to groundwater and polycyclic aromatic hydrocarbons (PAHs), lead, nickel and PCE to soil were reported to the Massachusetts Department of Environmental protection (MassDEP) in May 2007 and assigned RTN 2-16694.

8. **Contaminant Impacts and Regulatory Status**: Investigative activities have been conducted at the Site from 2007 to 2015 and summarized in a Phase I Initial Site Investigation (Fuss & O'Neill, May 2008), Phase II Environmental Site Assessment (Fuss & O'Neill, September 2007) and Phase II ESA Addendum (Fuss & O'Neill, February 2008) and Partial Permanent Solution Statement (PPSS) (Tata & Howard, October 2015). According to the PPSS, the Massachusetts Contingency Plan (MCP) Disposal Site boundary was defined to include Lots 22 and 27 and a portion of Lot 26 to the southeast. According to the PPSS, "the sources of the release, which are the former manufacturing operations at other areas of the Site, have been terminated and the concentrations of CVOCs in the monitoring wells located at the Property (referring to Lot 26) have been reduced to background as defined in the Massachusetts Contingency Plan."

OBJECTIVES OF THE PROPOSED WORK

The objectives of proposed activities are to:

- Address data gaps and assess potential impacts based on current and likely foreseeable Site uses and activities.

- Assess the potential presence of abandoned USTs and/or other anomalies, including discharge pipes.

SCOPE OF WORK

Vegetation Clearing

Most of the property is regularly maintained by mowing, and can be readily accessed by vehicles and necessary equipment without any additional clearing or alteration. Limited vegetation clearing will be conducted, primarily of invasive and noxious plants (such as Japanese knotweed and poison ivy) to facilitate access to sampling locations at the perimeter of the existing Site building (see attached Site Sketch). The proposed vegetation clearing will not remove any trees or result in ground disturbance.

Geophysical Survey

Verdantas' subcontractor, Atlantic Geosciences, Inc. (Atlantic) will perform a geophysical survey at accessible areas of the Site to assess the exterior areas to locate existing groundwater monitoring wells and potential presence of USTs and other anomalies, including discharge pipes. The geophysical survey is non-invasive and will not result in disturbance to soils or vegetation.

Supplemental Subsurface Investigation

Verdantas will oversee its subcontractor, Technical Drilling Services, Inc. (TDS) of Sterling, Massachusetts to perform drilling activities using an all-terrain vehicle (ATV) drill rig, equipped with hollow stem auger and air rotary drilling techniques. The investigations will be conducted at the exterior portions of the Site. Drilling and soil sampling are anticipated to be conducted over a 4-day period.

Up to 4 overburden soil borings will be advanced to an approximate depth of 15 feet below ground surface (bgs), using a hollow stem auger.

The four (4) soil borings will be completed as overburden monitoring wells. In addition, to assess groundwater in shallow bedrock, four (4) bedrock wells will be advanced using air rotary drilling to an approximate depth of 25 feet bgs.

The eight (8) wells will be constructed as 2-inch diameter flush-mount groundwater monitoring wells, constructed of 40-schedule polyvinyl chloride (PVC) casing and 0.010-slot polyvinyl chloride (PVC) screen.

The proposed drilling vehicle will traverse the site to the selected boring locations. Minor soil compaction and rutting may occur from vehicle movement, however the site is thickly vegetated with herbaceous species and disturbance from the drill rig movement will be minimal. At each boring location, the drilling auger will generate several cubic feet of drill cutting soil. Most of the drill cuttings will be returned to the borehole, and any

excess soil from drill cuttings will be collected with hand tools and placed in a secure drum(s) for off-site disposal.

Sediment Sampling

Verdantas will perform sediment sampling within accessible portions of Mine Brook. Up to four (4) sediment samples will be collected. Disturbance to the Brook will be minimal. Sediment sampling will be conducted by workers on foot, using a hand-held 2-inch to 4-inch diameter coring device.

WETLAND RESOURCE AREAS

The subject site is bordered to the south and west by Mine Brook, a perennial stream. The Banks of Mine Brook at the site are entirely human-altered and consist in large part of vertical block retaining walls, including a small bridge over the Brook in the southwest portion of the site. Mine Brook has an associated 200-foot Riverfront Area which projects from the Bank and encompasses the entire property. Much of the area abutting the Brook consists of a sharp transition to upland (i.e., not vegetated wetland) however as indicated in the attached Site Sketch, a small area of Bordering Vegetated Wetland ("BVW") is located within a low-lying area adjacent to the Brook in the southeast portion of the site. A 100-foot Buffer Zone projects from the BVW and Bank (where BVW is not present). No work is proposed in BVW.

REQUEST FOR NEGATIVE DETERMINATION OF APPLICABILITY

As described above, the proposed work is limited to investigations of environmental conditions. With the exception of very limited vegetation clearing adjacent to the existing building, State Wetland Regulations at 310 CMR 10.02(2) [for the 100-foot Buffer Zone] and 310 CMR 10.58(6)(b)[for Riverfront Area] provide an exemption for that work and state that:

> *"2. The following minor activities, provided that they comply with 310 CMR 10.02(2)(b)1., are not otherwise subject to regulation under M.G.L. c. 131, § 40:*
>
> *g. Activities that are temporary in nature, have negligible impacts, and are necessary for planning and design purposes (e.g., installation of monitoring wells, exploratory borings, sediment sampling and surveying and percolation tests for septic systems provided that resource areas are not crossed for site access);"*

Under this exemption, 310 CMR 10.02(2)(b)1 requires that:

> *"…the work is performed: solely within the buffer zone, as prescribed in 310 CMR 10.02(2)(b)2.a. through q., in a manner so as to reduce the potential for any adverse impacts to the resource area during construction, and with post-construction measures implemented to stabilize any disturbed areas."* Note that 310 CMR 10.58(6)(b) provides for the same provision in riverfront Area.

It is EcoTec's opinion that the proposed investigations qualify for the above exemption. We note that the Franklin Wetlands Bylaw and associated regulations do not include the specific exemptions, however it is our opinion that the proposed work, including the limited vegetation removal adjacent to the building, will not alter the Wetland Resource Areas present. Therefore, on behalf of the applicant, Town of Franklin, we request a Negative Determination of Applicability (#2, #3 and #6) under both state and local wetland regulations.

Enc:

- WPA Form 1: Request for Determination of Applicability
- USGS Locus Map
- GIS site locus map
- Site sketch
- Site photographs
- Abutter notification materials
    1. Certified abutters list
    2. Abutter notice
    3. Affidavit of abutter notice

Affidavit of abutter notice

I certify that the attached abutter notice was or will be mailed by certified mail, return receipt requested to all parties on the attached abutters list. Proof of mailing will be provided to the Conservation Commission.



Paul J. McManus



View into site from site bridge



View of site toward Grove Street



View upstream from site bridge toward Grove Street



View downstream from site bridge

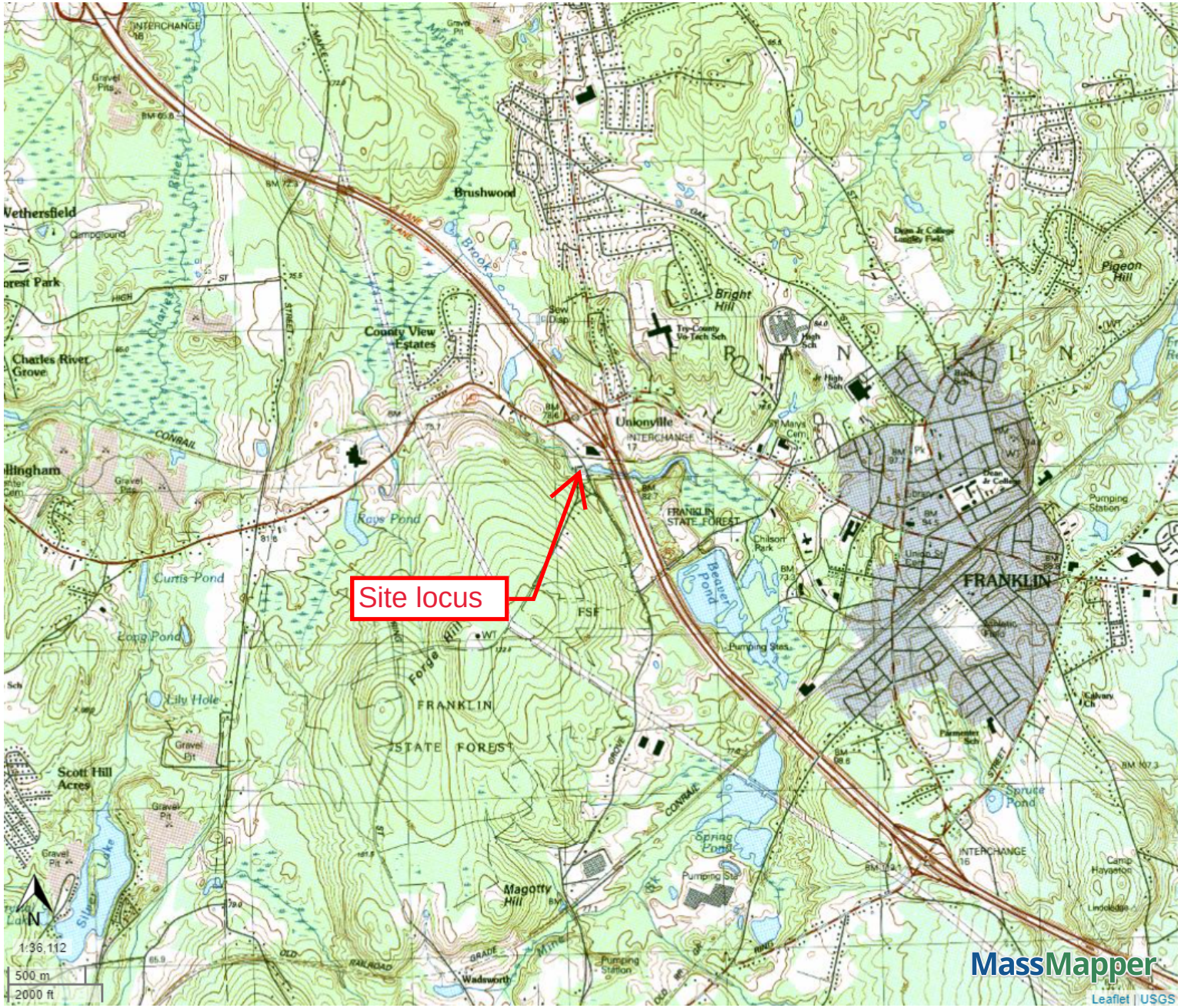


Area of proposed vegetation cutting adjacent to site building



View into site across site bridge

USGS Locus - 21 Grove Street, Franklin



Franklin, MA

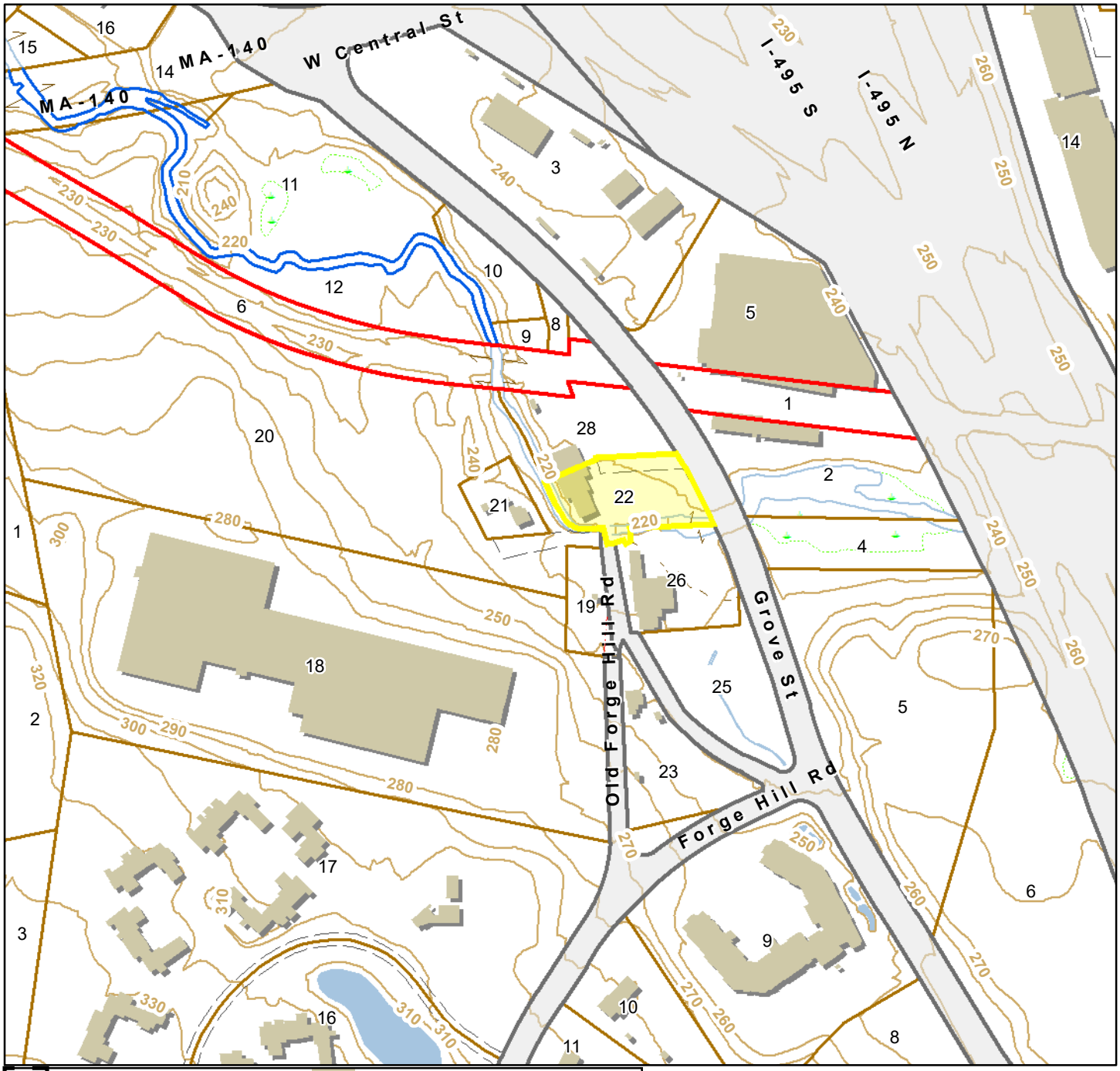
May 24, 2023

1 inch = 279 Feet

0 279 559 838

CAI Technologies
Precision Mapping. Geospatial Solutions.

www.cai-tech.com



TownPoly
PWater
Property Line
Public Road
Railroad
PropNotPar
Property Hook
Property TIC
RoadNotPar
Travel Way
Wetland
Private Road ROW
Right of Way
Utility
BuildingPolys
Shadow
Right of Ways
Wet Areas
WaterLines
Water-poly
CONTOUR ELEVATIONS (10 FOOT INTERVAL)

This information is believed to be correct but is subject to change and is not warrantied.

May 24, 2023

Franklin, MA

1 inch = 30 Feet

0 30 60 90

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Precision Mapping. Geospatial Solutions.

www.cai-tech.com

Limits of proposed area of investigations

151.44'

15

4.82'

105.69'

21

R/W

R

E

1

22

35923 SF

E 21

153.06'

233.53'

160'

220

230

15

118.47'

R/W

TOWN OF FRANKLIN

Approx Limits of BVW

160'

29.58'

16.51'

23'

40'

2

31.61'

64.01'

26

Bank of Mine Brook

Proposed limited vegetation cutting area

TownPoly
PWater
Property Line
Public Road
Property Hook
Property TIC
Wetland
Right of Way
BuildingPolys
Shadow
Right of Ways
WaterLines
CONTOUR ELEVATIONS (10 FOOT INTERVAL)
CONTOUR ELEVATIONS (2 FOOT INTERVAL)
Marsh

This information is believed to be correct but is subject to change and is not warrantied.

Site Sketch for Request for Determination of Applicability
Base Map: Franklin GIS
Edited by EcoTec Inc.

Town of Franklin Conservation Commission

NOTIFICATION TO ABUTTERS

Under the Massachusetts Wetlands Protection Act
And
The Franklin Wetlands Protection Bylaw

In accordance with the second paragraph of Massachusetts General Laws Chapter 131, Section 40, you are hereby notified of the following proposed project:

The Town of Franklin has filed a Request for Determination of Applicability with the Franklin Conservation Commission for the property at 21 Grove Street (parcel 276-022) seeking review of proposed work consisting of subsurface testing and limited vegetation removal, under the Wetlands Protection Act (M.G.L c.131 §40) and The Franklin Wetlands Protection Bylaw.

Copies of the Request for Determination or Applicability may be examined during regular office hours at EcoTec Inc.

Paul J. McManus, LSP, SPWS
EcoTec, Inc.
102 Grove Street
Worcester, MA 01605-2629
508-752-9666 ext 1
pmcmanus@ecotecinc.com

Copies may also be examined by contacting the Franklin Conservation Department located at 355 East Central Street, Franklin, MA, (508) 520-4929.

Notice of the public hearing including the date, time, and place will be published at least five (5) days in advance in the Milford Daily News.

Notice of the public hearing including the date, time, and place will be posted in the Franklin Town Hall at least forty eight (48) hours in advance of the public hearing.

The public hearing will be held on Thursday, June 15, 2023, at 7:00 PM, via Zoom, and can be accessed through the Conservation Commission agenda for that night, which will be posted on the Town's website 48 hours prior to the meeting. Please call the Conservation Department at (508) 520-4929 if you have any questions.

You may also contact the Massachusetts Department of Environmental Protection, Central Regional Office, Worcester, MA at (508) 792-7650.

Town of Franklin, MA

05/24/2023

124371

Abutter's List Request Form

Status: Active

Date Created: May 24, 2023

Applicant

Paul McManus
pmcmanus@ecotecinc.com
EcoTec Inc
102 Grove Street
Worcester, Massachusetts 01605
15087529666

Primary Location

21 GROVE ST
FRANKLIN, MA 02038

Owner:

FRANKLIN TOWN OF
355 EAST CENTRAL ST FRANKLIN, MA 02038

Abutter's List Request Form

Which Board/Commission is requiring this list?
Conservation Commission

What is the purpose for the request?
Request for Determiination of Applicability Filing by Town for subsurface testing and related work

How would you like to receive this abutters list?
Emailed

What email address should we use to send you the abutters list?
pmcmanus@ecotecinc.com

General Parcel Information

Assessor's Parcel ID
276-022-000-000

Property Street Address
21 Grove Street

Property Owner Information

Property Owner
Town of Franklin

Property Owner's Mailing Address
355 East Central Street

Town/City
Franklin

Zip/Postal Code
02038

State
MA

Property Owner Telephone Number
508-520-4929

Requestor's Information

21 GROVE ST - 300' ABUTTERS

Franklin, MA

1 inch = 400 Feet

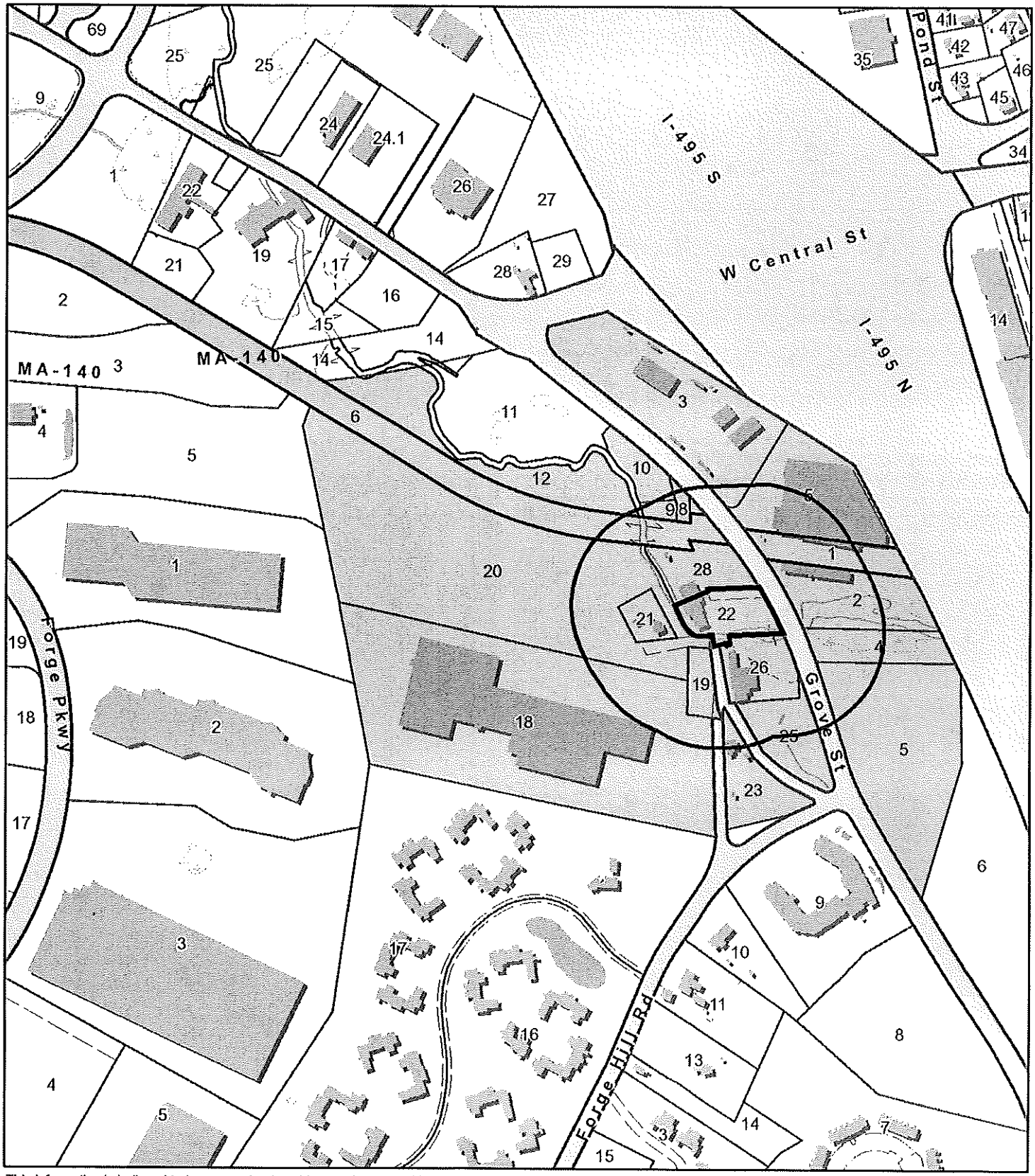
0 400 800 1200

May 24, 2023

CAI Technologies

Precision Mapping Geospatial Solutions

www.cai-tech.com



This information is believed to be correct but is subject to change and is not warrantied.

300 foot Abutters List Report

Franklin, MA
May 24, 2023

Subject Property:

Parcel Number:	276-022-000	Mailing Address:	FRANKLIN TOWN OF
CAMA Number:	276-022-000-000		355 EAST CENTRAL ST
Property Address:	21 GROVE ST		FRANKLIN, MA 02038

Abutters:

Parcel Number:	271-003-000	Mailing Address:	COMMONWEALTH OF
CAMA Number:	271-003-000-000		MASSACHUSETTS HIGHWAY
Property Address:	3-5 GROVE ST		DEPARTMENT
			10 PARK PLAZA
			BOSTON, MA 02116
Parcel Number:	271-005-000	Mailing Address:	CUBESMART L.P.
CAMA Number:	271-005-000-000		5 OLD LANCASTER ROAD
Property Address:	14 GROVE ST		MALVERN, PA 19355
Parcel Number:	271-006-000	Mailing Address:	NEW YORK CENTRAL LINES LLC C/O
CAMA Number:	271-006-000-000		CSX TRANSPORTATION INC TAX
Property Address:	GROVE ST		DEPARTMENT
			500 WATER ST (C 910)
			JACKSONVILLE, FL 32202
Parcel Number:	271-007-000	Mailing Address:	FRANKLIN TOWN OF
CAMA Number:	271-007-000-000		355 CENTRAL ST
Property Address:	GROVE ST		FRANKLIN, MA 02038
Parcel Number:	271-008-000	Mailing Address:	FRANKLIN TOWN OF
CAMA Number:	271-008-000-000		355 EAST CENTRAL STREET
Property Address:	GROVE ST		FRANKLIN, MA 02038
Parcel Number:	271-009-000	Mailing Address:	FRANKLIN TOWN OF
CAMA Number:	271-009-000-000		355 EAST CENTRAL ST
Property Address:	61 GROVE ST		FRANKLIN, MA 02038
Parcel Number:	271-010-000	Mailing Address:	FRANKLIN TOWN OF
CAMA Number:	271-010-000-000		355 EAST CENRTAL
Property Address:	GROVE ST		FRANKLIN, MA 02038
Parcel Number:	271-012-000	Mailing Address:	FRANKLIN TOWN OF
CAMA Number:	271-012-000-000		355 EAST CENTRAL STREET
Property Address:	WEST CENTRAL ST		FRANKLIN, MA 02038
Parcel Number:	276-001-000	Mailing Address:	NEW YORK CENTRAL LINES LLC C/O
CAMA Number:	276-001-000-000		CSX TRANSPORTATION INC TAX
Property Address:	CONRAIL		DEPARTMENT
			500 WATER ST (C 910)
			JACKSONVILLE, FL 32202

300 foot Abutters List Report

Franklin, MA
May 24, 2023

Parcel Number:	276-002-000	Mailing Address:	COMPTON PAUL R TR UNGALA GROVE REALTY TRUST FINKELSTEIN, JAMES TR 54 MILL ST FRANKLIN, MA 02038
CAMA Number:	276-002-000-000		
Property Address:	20 GROVE ST		
Parcel Number:	276-004-000	Mailing Address:	COMPTON PAUL R 221 POND ST FRANKLIN, MA 02038
CAMA Number:	276-004-000-000		
Property Address:	GROVE ST		
Parcel Number:	276-005-000	Mailing Address:	COMMONWEALTH OF MASSACHUSETTS DIVISION OF STATE PARKS AND RE 251 CAUSEWAY STREET - SUITE 600 BOSTON, MA 02114-2104
CAMA Number:	276-005-000-000		
Property Address:	GROVE ST		
Parcel Number:	276-018-000	Mailing Address:	FRANKLIN LIMITED PARTNERSHIP C/O IRON MOUNTAIN ONE FEDERAL ST BOSTON, MA 02110
CAMA Number:	276-018-000-000		
Property Address:	1 OLD FORGE HILL RD		
Parcel Number:	276-019-000	Mailing Address:	FRANKLIN ALLOYS INC C/O PAUL COMPTON 221 POND ST FRANKLIN, MA 02038
CAMA Number:	276-019-000-000		
Property Address:	7 OLD FORGE HILL RD		
Parcel Number:	276-020-000	Mailing Address:	MARGARET C RANIERI TR CATHERINE R MILLER TR RANIERI TRUST 59 PLEASANT ST FRANKLIN, MA 02038
CAMA Number:	276-020-000-000		
Property Address:	GROVE ST		
Parcel Number:	276-021-000	Mailing Address:	DELUCIA RALPH F 15 OLD FORGE HILL RD FRANKLIN, MA 02038
CAMA Number:	276-021-000-000		
Property Address:	15 OLD FORGE HILL RD		
Parcel Number:	276-022-000	Mailing Address:	FRANKLIN TOWN OF 355 EAST CENTRAL ST FRANKLIN, MA 02038
CAMA Number:	276-022-000-000		
Property Address:	21 GROVE ST		
Parcel Number:	276-023-000	Mailing Address:	HAINES SHEILA M 2 OLD FORGE HILL ROAD FRANKLIN, MA 02038
CAMA Number:	276-023-000-000		
Property Address:	2 OLD FORGE HILL RD		
Parcel Number:	276-025-000	Mailing Address:	COMMONWEALTH OF MASSACHUSETTS DIVISION OF STATE PARKS AND RE 251 CAUSEWAY STREET - SUITE 600 BOSTON, MA 02114-2104
CAMA Number:	276-025-000-000		
Property Address:	GROVE ST		
Parcel Number:	276-026-000	Mailing Address:	UNIFIED VENTURES LLC 51 ROBINSON AVE ATTLEBORO FALLS, MA 02763
CAMA Number:	276-026-000-000		
Property Address:	25 GROVE ST		

300 foot Abutters List Report

Franklin, MA
May 24, 2023

Parcel Number:	276-028-000
CAMA Number:	276-028-000-000
Property Address:	15 GROVE ST

Mailing Address: 15 GROVE STREET LLC
142 HANCOCK ST
EVERETT, MA 02149

Kevin M. Doyle, 5-24-2023

15 GROVE STREET LLC
142 HANCOCK ST
EVERETT, MA 02149

COMMONWEALTH OF
MASSACHUS
DIVISION OF STATE PARKS A
251 CAUSEWAY STREET - SUITE
600
BOSTON, MA 02114-2104

COMMONWEALTH OF
MASSACHUS
HIGHWAY DEPARTMENT
10 PARK PLAZA
BOSTON, MA 02116

COMPTON PAUL R
221 POND ST
FRANKLIN, MA 02038

COMPTON PAUL R TR
UNGALA GROVE REALTY TRUST
54 MILL ST
FRANKLIN, MA 02038

CUBESMART L.P.
5 OLD LANCASTER ROAD
MALVERN, PA 19355

DELUCIA RALPH F
15 OLD FORGE HILL RD
FRANKLIN, MA 02038

FRANKLIN ALLOYS INC
C/O PAUL COMPTON
221 POND ST
FRANKLIN, MA 02038

FRANKLIN LIMITED PARTNERS
C/O IRON MOUNTAIN
ONE FEDERAL ST
BOSTON, MA 02110

FRANKLIN TOWN OF
355 EAST CENTRAL STREET
FRANKLIN, MA 02038

FRANKLIN TOWN OF
355 CENTRAL ST
FRANKLIN, MA 02038

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FRANKLIN, MA 02038

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355 EAST CENTRAL ST
FRANKLIN, MA 02038

FRANKLIN TOWN OF
355 EAST CENTRAL STREET
FRANKLIN, MA 02038

HAINES SHEILA M
2 OLD FORGE HILL ROAD
FRANKLIN, MA 02038

MARGARET C RANIERI TR CAT
RANIERI TRUST
59 PLEASANT ST
FRANKLIN, MA 02038

NEW YORK CENTRAL LINES LL
C/O CSX TRANSPORTATION IN
500 WATER ST (C 910)
JACKSONVILLE, FL 32202

UNIFIED VENTURES LLC
51 ROBINSON AVE
ATTLEBORO FALLS, MA 02763

APPENDIX D

GEOPHYSICAL SURVEY REPORT

September 29th, 2023

Daniel Curran
Verdantas
273 West Main St
Norton, MA 02766

Project: Geophysical Survey – 21 Grove St, Franklin, MA

Dear Dan,

The following is a brief letter report detailing the results of the geophysical survey performed at the above referenced site. Site maps and/or pertinent ground penetrating radar (GPR) transects are contained in the report and Appendix A. Atlantic GeoServices' standard practice is to indicate the results of the geophysical survey by marking all identified utility lines, tanks, and GPR anomalies etc. with chalk, paint or flags. It should be noted that this report is a means of transferring data and results of data interpretation, which was performed during the time allotted for the fieldwork.

Project Scope and Visual Site Inspection

Atlantic GeoServices LLC (AGS) was contracted by Verdantas (client) to confirm/deny the presence of buried metallic structures and clear proposed soil borings. The work area consists of a former manufacturing property located at the above address and as indicated in Figures 1 and 2. Upon arrival to the site on September 12th, 2023, AGS reviewed the scope with the client and performed a site walk. During the site walk the following areas of interest were noted:

- The client detailed the areas to be scanned for potential metallic structures (Figure 1).
- The client also pre-marked proposed soil boring locations. AGS noted visual evidence of gas, water, storm sewer, and sanitary sewer utilities in the vicinity of the borings.

Methodology

Geophysical surveys are typically accomplished by employing the following techniques: GPR, Fisher TW6 electromagnetic metal detection (TW6 EM), a Geonics EM61-MK2 Time – Domain Electromagnetic Detector unit (EM61), radio frequency line locating (RF), and magnetics. The EM61 is a high power, high sensitivity metal detector capable of detecting both ferrous and non-ferrous metal. The TW6 EM unit sounds an audible alarm in the presence of a large mass of metal such as an UST. In general, "blind surveys" are typically performed by initially scanning the site with a TW6 EM unit and/or an EM61 unit and noting areas of relatively high EM response. Locations with a high EM response are further investigated with GPR. Known utilities are typically traced with the RF unit, GPR, and the TW6 EM unit depending on the size, matrix and conductive properties of the line. EM units are typically not effective and practical in areas underlain with reinforced concrete and/or the presence of ubiquitous metallic objects.

During EM61 surveys the EM response is sampled at four time positions at each survey point (every 0.62 feet). These four readings allow for the discrimination of targets based on target size, shape, material, and orientation. Furthermore the EM61 is designed in such a way that it is possible to distinguish deeper objects from shallow ones. In Channel D mode, the system suppresses near surface targets that may mask the response of deeper, more important targets. This feature is useful when the purpose of the survey is to locate deeper targets, such as USTs, in the presence of near-surface metallic objects.

Geophysical Survey Results

The geophysical survey at this site was accomplished with the TW6 EM, EM61, RF, and GPR units. The TW6 EM and EM61 units were used to scan accessible areas at the direction of the client. Significant metallic anomalies detected during the EM scans were then further investigated with GPR. Underground utilities were traced with RF and GPR equipment. Results of the geophysical survey were marked on the ground with paint and mapping is contained within this report. Results of the geophysical survey are as follows:

EM Scans (metallic structures – Figure 1)

- AGS detected no significant metallic structures within the areas scanned by the EM61 and TW6 EM.

Soil Boring Clearance (Figure 2)

- Private water, gas, storm sewer, and sanitary sewer utilities were detected and marked in addition to a line of unknown association.
- Proposed soil boring locations were scanned, moved as needed, and marked with white paint.

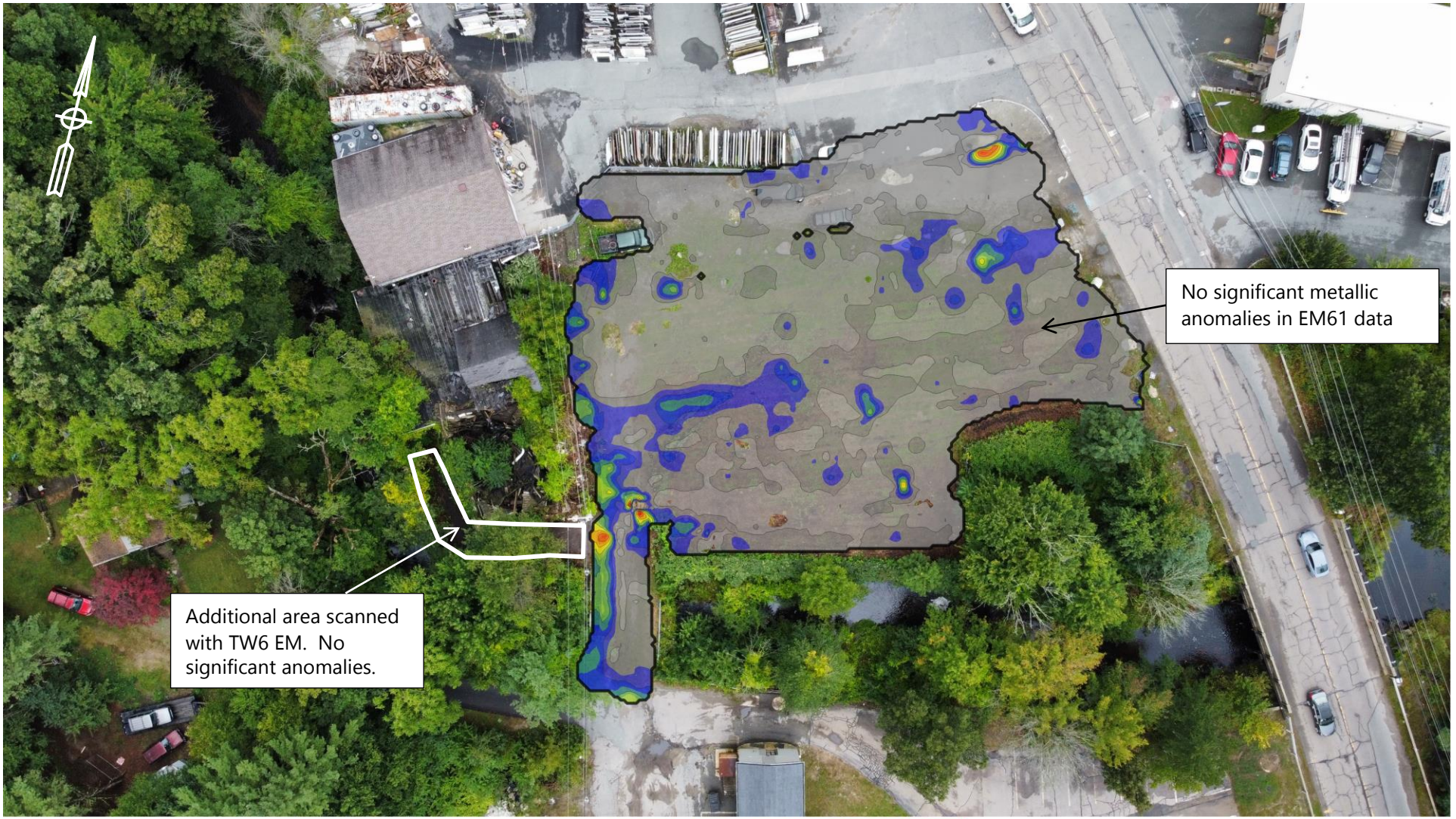
AGS completes non-intrusive geophysical surveys using equipment and techniques representing best available technology. AGS does not accept responsibility for survey limitations due to inherent technological limitations or unforeseen and varying site-specific conditions such as steel-reinforced concrete. In practical terms, AGS serves to reduce the risk of encountering subsurface utilities during excavation operations or greatly increase the chance of locating man made subsurface objects depending on the goal of the project. The results of this investigation should only be used as a tool and should not be considered a guarantee regarding the presence or absence of USTs or piping.

Thank you for working with Atlantic GeoServices, LLC. If you should have any questions or concerns, please do not hesitate to contact us.

Sincerely,

Michael Robbins, M.S.
President
mike@atlanticgeoservices.com

ATLANTIC GEOSERVICES



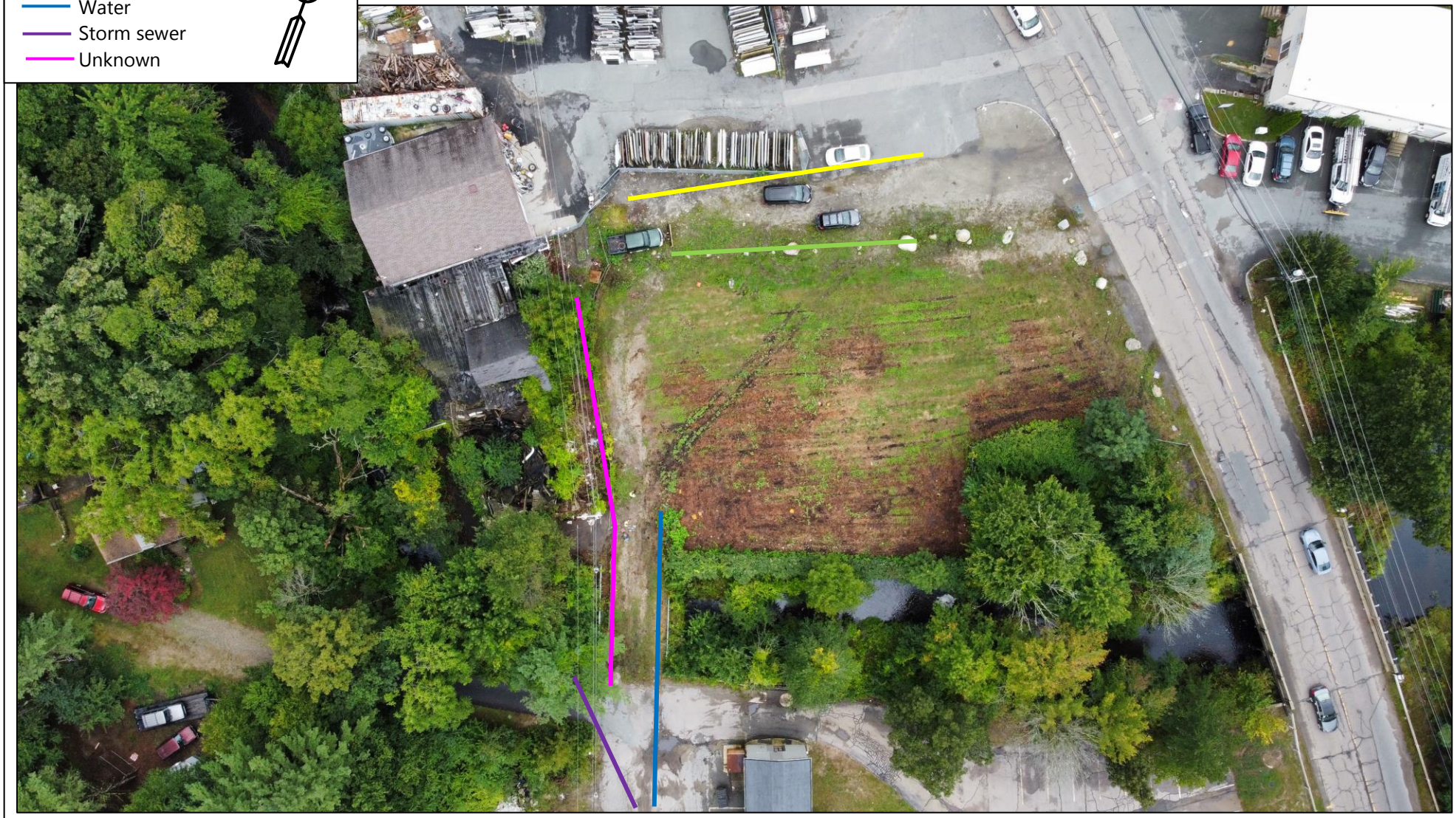
*Color contoured data indicate relative EM61 response, i.e. significant buried metallic structures. The EM survey was conducted throughout accessible sections of the scan area, as indicated by black borderline.

ATLANTIC GEOSERVICES

21 Grove St, Franklin, MA		Figure 1
Client: Verdantas	Date: 9/12/23	EM61 Survey Results (metallic structures)

LEGEND

- Sanitary sewer
- Gas
- Water
- Storm sewer
- Unknown

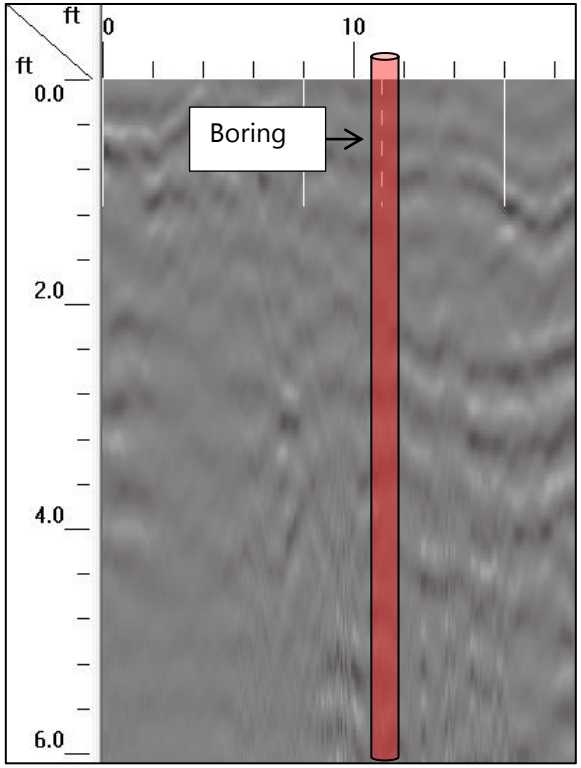


ATLANTIC GEOSERVICES

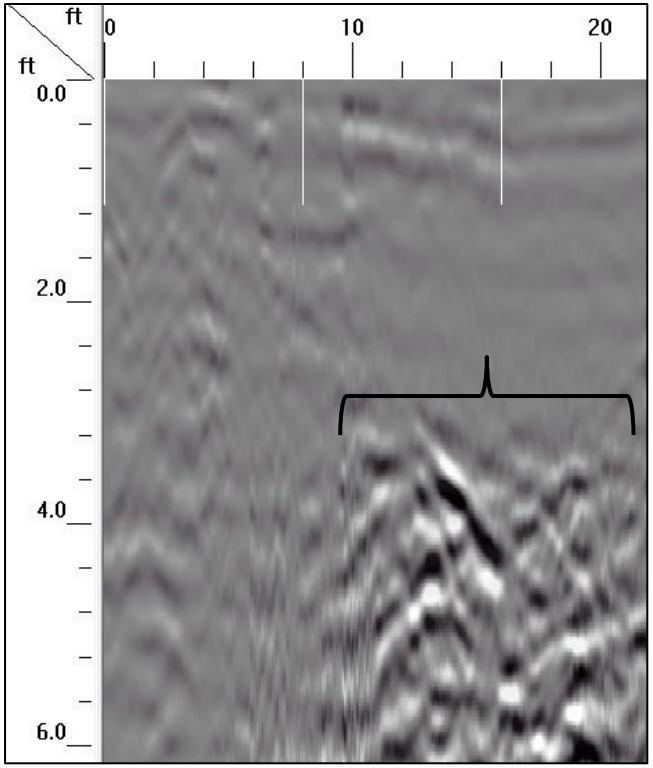
21 Grove St, Franklin, MA		Figure 2
Client: Verdantas	Date: 9/12/23	Geophysical Survey Results

Appendix A

Representative GPR Transects



GPR Transect 1. North across cleared soil boring



GPR Transect 2. North across bridge culvert (bracketed)

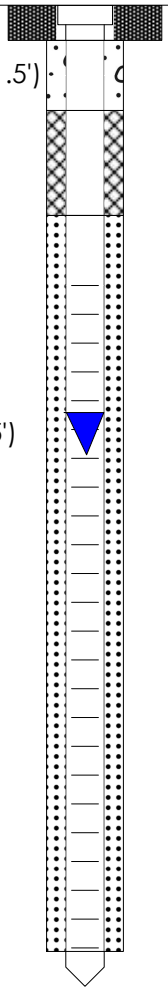
APPENDIX E

SOIL BORING AND MONITORING WELL CONSTRUCTION LOGS

PROJECT INFORMATION
Project: Former NuStyle Property
Project #: 028.000017356
Location: 21 Grove Street, Franklin, MA

Borehole: SB-201/MW-201

Depth (ft)	Lithology	Description	PID (ppm)	Well Completion Details
0–4		Brown, damp, loose, fine SAND and SILT, little fine gravel	0.2 1.7	Flush Mounted Roadbox Native Backfill to Surface (0.5-1.5') Bentonite (1.5-3')
4–6		Gray, moist, dense, SILT, some fine sand, little fine gravel	0.6 ND	
6–8		Gray, moist, dense, SILT, some fine sand, little fine gravel	0.5 ND	Approximate Water Table (6.5')
8–10		Gray, saturated, dense, slight plasticity, SILT, little clay	ND 1.1	Silica Sand (3-14')
10–12		Light brown, saturated, dense, slight plasticity, SILT, some clay	1.1 ND	
12–14		Light brown, saturated, dense, low plasticity, SILT, some clay	0.4 3.8	
14–18		Light brown, wet, very loose, coarse to fine SAND, some silt, little coarse gravel	ND 0.3	
18–20		Light brown, saturated, very dense, fine SAND, some silt, little fine gravel	1.5	



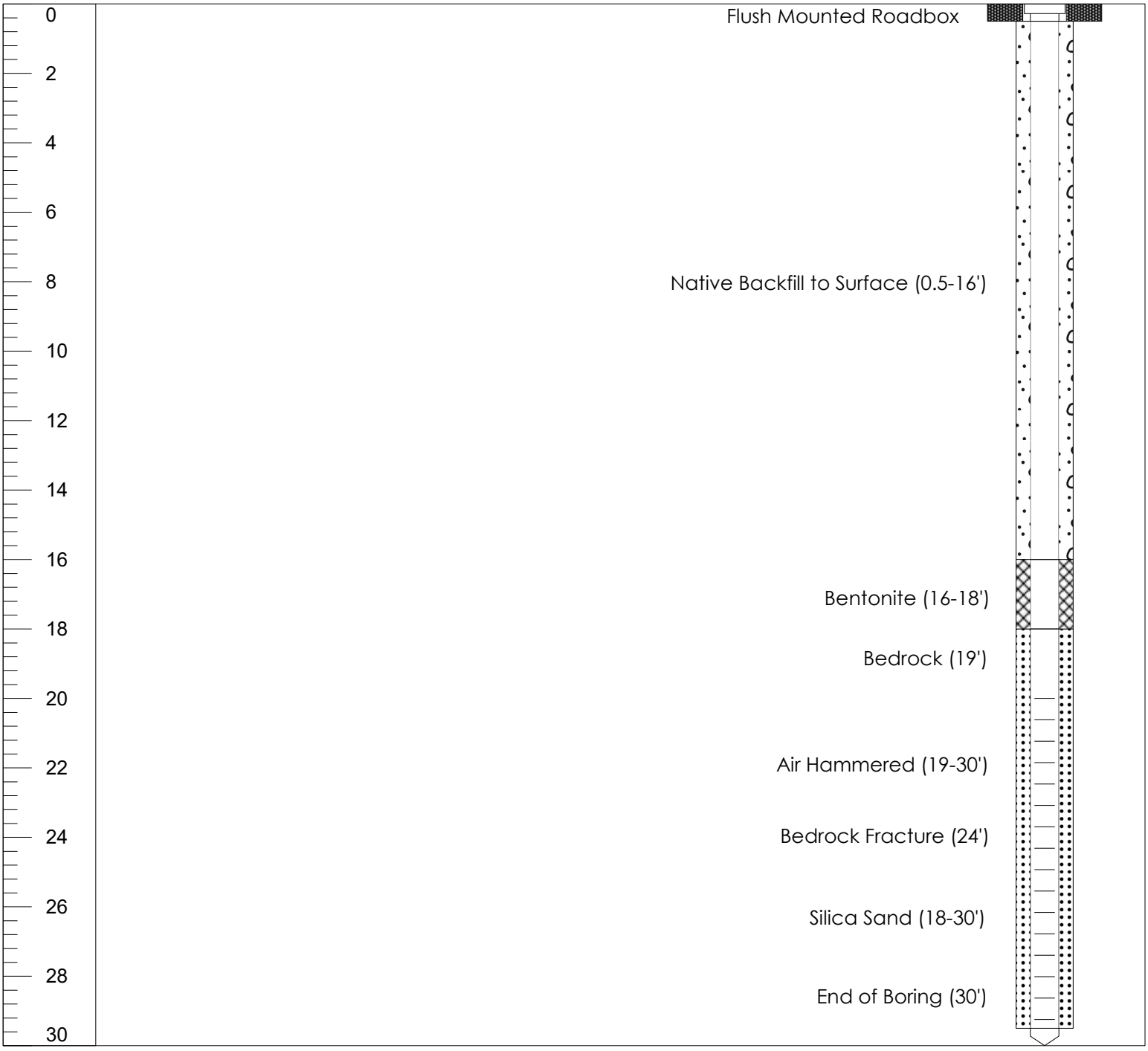
DRILLING INFORMATION
Driller: GeoSearch, Inc.
Method: Hollow Stem Auger
Sample type: 24" Split Spoon
Date: 9/18/23
Geologist: Daniel DiFrancesco

WELL COMPLETION DETAILS
Well depth: 14'
Well diameter: 2" PVC
Screen interval: 4-14'
Screen slot size: 0.010"
Approximate Water Table: 6.5'

ADDITIONAL INFORMATION
Sample collected from 6-8' for laboratory analysis of Volatile Organic Compounds (VOCs), MCP 13 Metals, Extractable Petroleum Hydrocarbons (EPH) with target Polycylic Aromatic Hydrocarbons (PAHs), and Volatile Petroleum Hydrocarbons (VPH).

PROJECT INFORMATION
Project: Former NuStyle Property
Project #: 028.000017356
Location: 21 Grove Street, Franklin, MA

Borehole: MW-201D



DRILLING INFORMATION
Driller: GeoSearch, Inc.
Method: Hollow Stem Auger/Air Hammer
Date: 9/18/23
Geologist: Daniel DiFrancesco

WELL COMPLETION DETAILS
Well depth: 30'
Well diameter: 2" PVC
Screen interval: 20-30'
Screen slot size: 0.010"
Approximate Water Table: 24'

PROJECT INFORMATION
Project: Former NuStyle Property
Project #: 028.000017356
Location: 21 Grove Street, Franklin, MA

Borehole: SB-202/MW-202

Depth (ft)	Lithology	Description	PID (ppm)	Well Completion Details
0–1		Dark brown to black, damp, very loose, fine SAND, some silt, little fine gravel	3.2	Flush Mounted Roadbox
1–2			5.4	Native Backfill to Surface (0.5-1')
2–3		Light to dark brown, damp, very loose, fine SAND, some silt, little fine gravel	5.6	Bentonite (1-2')
3–4			4.8	
4–5		Light brown, damp, very loose, fine SAND, some silt, little coarse gravel	5.2	
5–6				
6–7		Brown, coarse angular gravel, some silt, little fine SAND	4.3	Approximate Water Table (7')
7–8				Silica Sand (2-13')
8–9		Brown, saturated, very loose, fine to coarse SAND, little silt, little coarse gravel	24.6	
9–10				
10–11		Light brown, wet, very loose, coarse sand, some silt, little fine gravel	18.5	
11–12			35.9	
12–13				

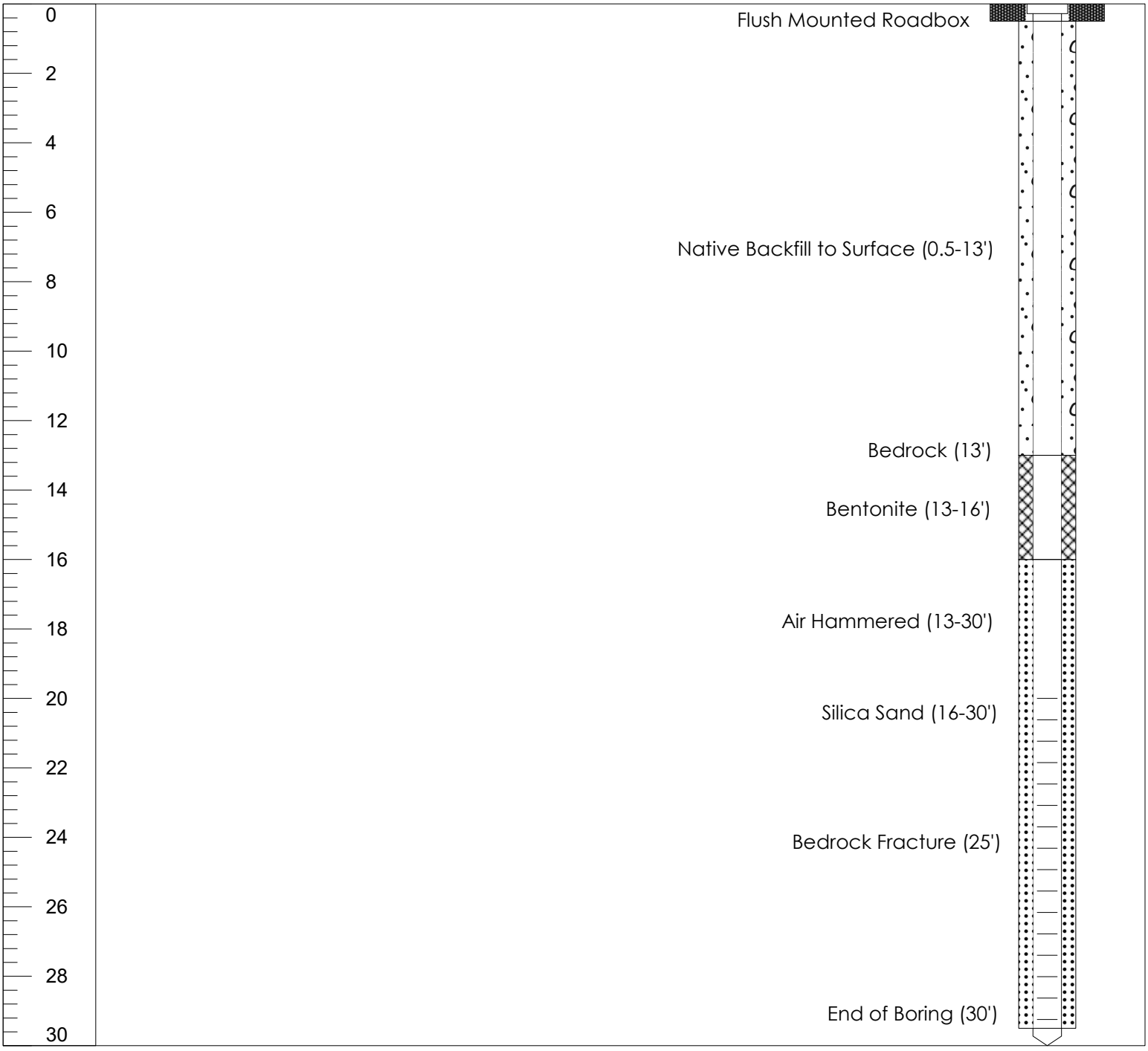
DRILLING INFORMATION
Driller: GeoSearch, Inc.
Method: Hollow Stem Auger
Sample type: 24" Split Spoon
Date: 9/19/23
Geologist: Daniel DiFrancesco

WELL COMPLETION DETAILS
Well depth: 13'
Well diameter: 2" PVC
Screen interval: 3-13'
Screen slot size: 0.010"
Approximate Water Table: 7'

ADDITIONAL INFORMATION
Sample collected from 10-12' for laboratory analysis of VOCs, MCP 13 Metals, EPH with target PAHs, and VPH.

PROJECT INFORMATION
Project: Former NuStyle Property
Project #: 028.000017356
Location: 21 Grove Street, Franklin, MA

Borehole: MW-202D



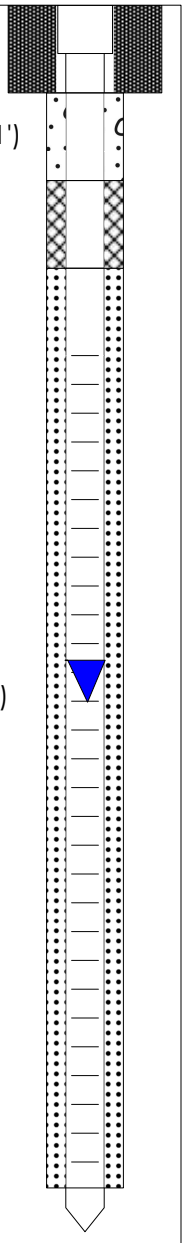
DRILLING INFORMATION
Driller: GeoSearch, Inc.
Method: Hollow Stem Auger/Air Hammer
Date: 9/19/23
Geologist: Daniel DiFrancesco

WELL COMPLETION DETAILS
Well depth: 30'
Well diameter: 2" PVC
Screen interval: 20-30'
Screen slot size: 0.010"
Approximate Water Table: 25'

PROJECT INFORMATION
Project: Former NuStyle Property
Project #: 028.000017356
Location: 21 Grove Street, Franklin, MA

Borehole: SB-203/MW-203

Depth (ft)	Lithology	Description	PID (ppm)	Well Completion Details
0 – 1.6		Dark brown, damp, loose, fine SAND, some silt, little fine to coarse gravel, fill material (coal)	1.1	Flush Mounted Roadbox; Native Backfill to Surface (0.5-1'); Bentonite (1-1.5')
2 – 3.6		Dark brown, moist, loose, fine to coarse SAND, some silt, little coarse gravel	1	
4 – 5.6		Dark brown, saturated, loose, fine to coarse SAND, some silt, little coarse gravel	1.2 1.2	Approximate Water Table (4'); Silica Sand (1.5-7')
6 – 6.8		Light brown, wet, very loose, coarse to fine SAND, little silt, little coarse gravel	2.4	
7.2 – 7.6				



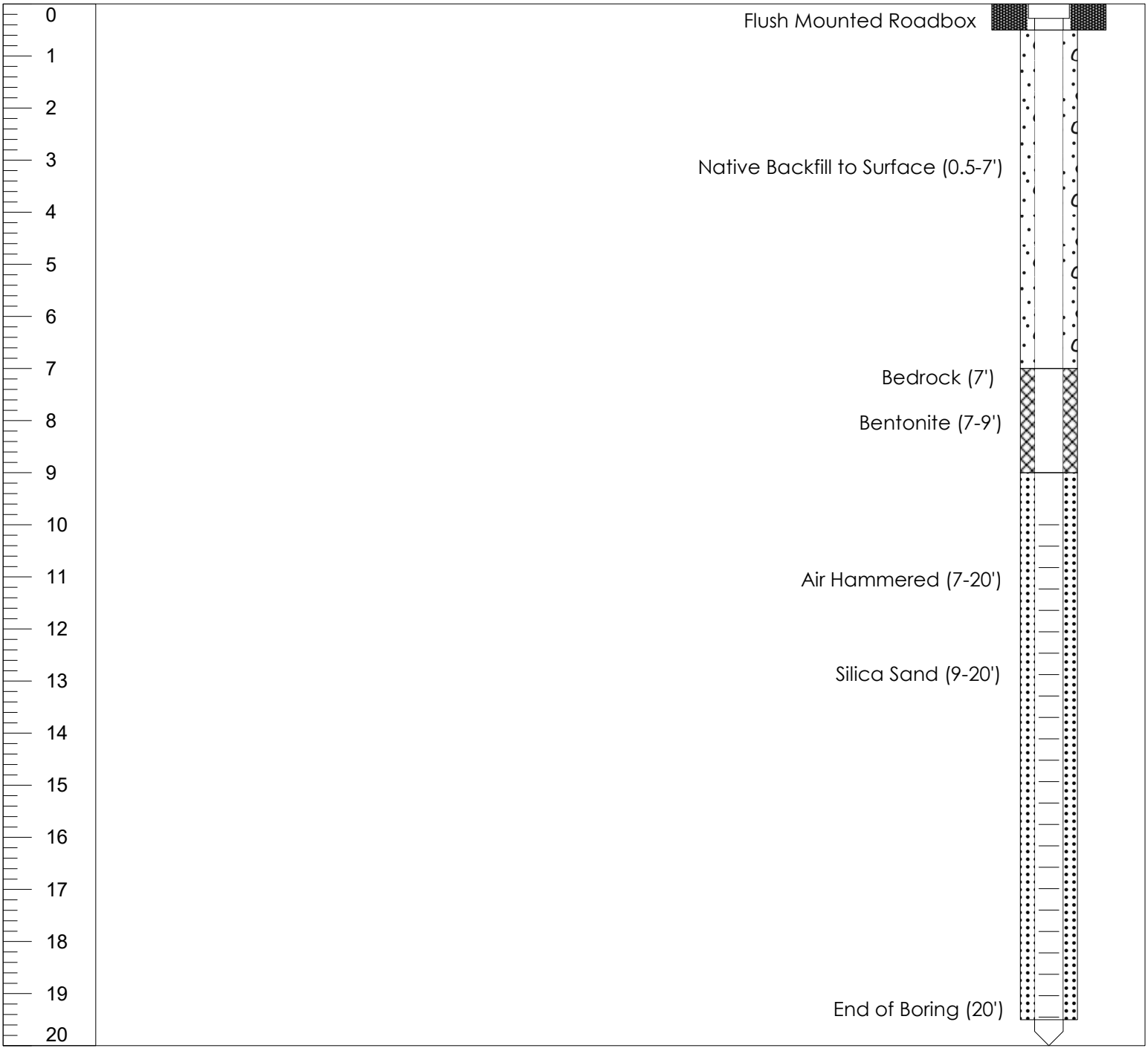
DRILLING INFORMATION
Method: Hollow Stem Auger
Sample type: 24" Split Spoon
Sample type: 60" acetate liner
Date: 9/19/23
Geologist: Daniel DiFrancesco

WELL COMPLETION DETAILS
Well depth: 7'
Well diameter: 2" PVC
Screen interval: 2-7'
Screen slot size: 0.010"
Approximate Water Table: 4'

ADDITIONAL INFORMATION
Sample collected from 4-6' for laboratory analysis of VOCs, MCP 13 Metals, EPH with target PAHs, and VPH.

PROJECT INFORMATION
Project: Former NuStyle Property
Project #: 028.000017356
Location: 21 Grove Street, Franklin, MA

Borehole: MW-203D



DRILLING INFORMATION
Driller: GeoSearch, Inc.
Method: Hollow Stem Auger/Air Hammer
Date: 9/19/23
Geologist: Daniel DiFrancesco

WELL COMPLETION DETAILS
Well depth: 20'
Well diameter: 2" PVC
Screen interval: 10-20'
Screen slot size: 0.010"
Approximate Water Table: 4'

PROJECT INFORMATION
Project: Former NuStyle Property
Project #: 028.000017356
Location: 21 Grove Street, Franklin, MA

Borehole: SB-204/MW-204

Depth (ft)	Lithology	Description	PID (ppm)	Well Completion Details
0–1		Dark brown, damp, very loose, fine SAND, some silt, little to fine coarse gravel	6.7	Flush Mounted Roadbox; Native Backfill to Surface (0.5-1')
1–2			20.3	
2–4		NO RECOVERY		Bentonite (1-3')
4–5		Dark to light brown, damp, very loose, fine SAND, some silt, little to fine coarse gravel	52	
5–6			7.9	Approximate Water Table (6')
6–7		Light brown, wet, loose, fine SAND, some silt, little fine to coarse gravel	0.7	
7–14				Silica Sand (3-14')

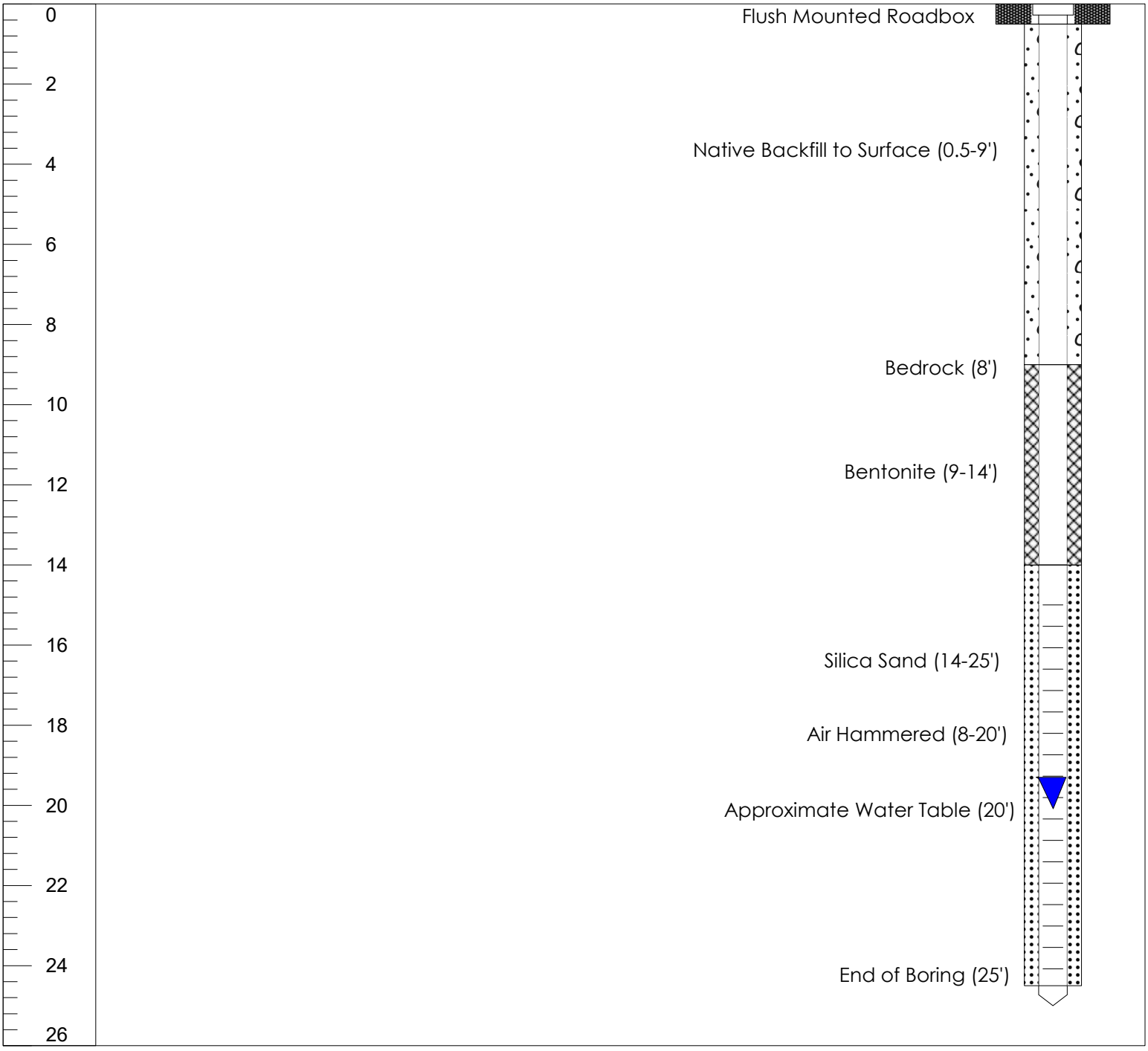
DRILLING INFORMATION
Driller: GeoSearch, Inc.
Method: Hollow Stem Auger
Sample type: 24" Split Spoon
Date: 9/20/23
Geologist: Daniel DiFrancesco

WELL COMPLETION DETAILS
Well depth: 14'
Well diameter: 2" PVC
Screen interval: 4-14'
Screen slot size: 0.010"
Approximate Water Table: 6'

ADDITIONAL INFORMATION
Sample collected from 4-6' for laboratory analysis of VOCs, MCP 13 Metals, EPH with target PAHs, and VPH.

PROJECT INFORMATION
Project: Former NuStyle Property
Project #: 028.000017356
Location: 21 Grove Street, Franklin, MA

Borehole: MW-204D



DRILLING INFORMATION
Driller: GeoSearch, Inc.
Method: Hollow Stem Auger/Air Hammer
Date: 9/20/23
Geologist: Daniel DiFrancesco

WELL COMPLETION DETAILS
Well depth: 25'
Well diameter: 2" PVC
Screen interval: 15-25'
Screen slot size: 0.010"
Approximate Water Table: 20'

APPENDIX F

NOTICE OF ENVIRONMENTAL SAMPLING

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

2 - 16694

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 21 Grove Street

City/Town: Franklin Zip Code: 02038

B. This notice is being provided to the following party:

1. Name: Unified Ventures LLC

2. Street Address: 51 Robinson Ave.

City/Town: Attleboro Falls Zip Code: 02763

C. This notice is being given to inform its recipient (the party listed in Section B):

☐ 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.

☑ 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.

☑ 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 25 Grove Street

City/Town: Franklin Zip Code: 02763

2. MCP phase of work during which the sampling will be/has been conducted:

☐ Immediate Response Action
☐ Release Abatement Measure
☐ Utility-related Abatement Measure
☐ Phase I Initial Site Investigation
☑ Phase II Comprehensive Site Assessment
☐ Phase III Feasibility Evaluation
☐ Phase IV Remedy Implementation Plan
☐ Phase V/Remedy Operation Status
☐ Post-Temporary Solution Operation, Maintenance and Monitoring
☐ Other _____ (specify)

3. Description of property where sampling will be/has been conducted:

☐ residential ☑ commercial ☐ industrial ☐ school/playground ☐ Other _____ (specify)

4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.

Groundwater sample collected at wells MW-101S.

E. Contact information related to the party providing this notice:

Contact Name: Bryan Taberner, Director of Planning and Community De

Street Address: Town of Franklin, 355 Central Street

City/Town: Franklin Zip Code: 02038

Telephone: (508) 520-4907 Email: btaberner@franklinma.gov

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

2 - 16694

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation of a release for which a notification to MassDEP has been made under the Massachusetts Contingency Plan (310 CMR 40.0300) on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at http://www.mass.gov/eea/agencies/massdep/cleanup. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See http://public.dep.state.ma.us/SearchableSites2/Search.aspx to view site-specific files on-line or http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html if you would like to make an appointment to see these files in person. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.

APPENDIX G

LABORATORY ANALYTICAL REPORTS

ANALYTICAL REPORT

Lab Number:	L2330480
Client:	Verdantas, LLC 30 Shrewsbury St Holden, MA 01520
ATTN:	Daniel Curran
Phone:	(978) 679-1600
Project Name:	TOWN OF FRANKLIN
Project Number:	17356
Report Date:	06/21/23

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: TOWN OF FRANKLIN
Project Number: 17356

Lab Number: L2330480
Report Date: 06/21/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2330480-01	MW-103S	WATER	FRANKLIN, MA	05/30/23 14:10	06/01/23
L2330480-02	MW-14	WATER	FRANKLIN, MA	05/30/23 10:55	06/01/23
L2330480-03	MW-102S	WATER	FRANKLIN, MA	05/30/23 12:25	06/01/23
L2330480-04	MW-105D	WATER	FRANKLIN, MA	05/30/23 12:55	06/01/23
L2330480-05	MW-104S	WATER	FRANKLIN, MA	05/30/23 14:45	06/01/23
L2330480-06	MW-3	WATER	FRANKLIN, MA	05/30/23 11:05	06/01/23
L2330480-07	MW-102D	WATER	FRANKLIN, MA	05/31/23 11:10	06/01/23
L2330480-08	MW-103D	WATER	FRANKLIN, MA	05/31/23 12:50	06/01/23
L2330480-09	MW-105S	WATER	FRANKLIN, MA	05/31/23 11:25	06/01/23
L2330480-10	MW-104D	WATER	FRANKLIN, MA	05/31/23 12:45	06/01/23

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	YES
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name:	TOWN OF FRANKLIN	**Lab Number:**	L2330480
Project Number:	17356	**Report Date:**	06/21/23

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480
Project Number: 17356 **Report Date:** 06/21/23

Case Narrative (continued)

MCP Related Narratives

Volatile Organics

L2330480-01, -02, -03, -04D, -05, -06, -08, -09, and -10D: A copy of the continuing calibration standard is included as an addendum to this report.

In reference to question G:

L2330480-04D, -07D, and -10D: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

L2330480-01, -02, -03, -04D, -05, -06, -08, -09, and -10D: Initial Calibration did not meet:

Lowest Calibration Standard Minimum Response Factor: 1,4-dioxane (0.0021)

Average Response Factor: 1,4-dioxane

Verification: dichlorodifluoromethane (136%)

L2330480-07D: Initial Calibration did not meet:

Lowest Calibration Standard Minimum Response Factor: 1,4-dioxane (0.0022)

Average Response Factor: 1,4-dioxane

Verification: dichlorodifluoromethane (133%)

L2330480-07D: The associated continuing calibration standard is outside the acceptance criteria for several compounds; however, it is within overall method allowances. Associated results are considered to be biased high if the %D is negative and biased low if the %D is positive. A copy of the continuing calibration standard is included as an addendum to this report.

VPH

L2330480-04 and -10: It should be noted that based on review of the VPH chromatograms there is the potential that non-hydrocarbon compounds are being included in the summation of the C5-C8 Aliphatics range. This could result in a greater concentration being reported for this range than would otherwise be the case. The VPH gas chromatographic method is subject to the inclusion of non-hydrocarbon compounds in carbon range summations if the non-hydrocarbon compound is amenable to the method operating conditions

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480
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Case Narrative (continued)

and elutes within the range's retention time window. A copy of the chromatogram is included as an attachment to this report.

Dissolved Metals

In reference to question G:

L2330480-01 through -10: One or more of the target analytes did not achieve the requested CAM reporting limits.

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. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 06/21/23

QC OUTLIER SUMMARY REPORT

Project Name: TOWN OF FRANKLIN
Project Number: 17356

Lab Number: L2330480
Report Date: 06/21/23

Method	Client ID (Native ID)	Lab ID	Parameter	QC Type	Recovery/RPD (%)	QC Limits (%)	Associated Samples	Data Quality Assessment
MCP Volatile Organics - Westborough Lab								
8260D	Batch QC	WG1789250-3	1,4-Dioxane	LCS	138	70-130	07	potential high bias
8260D	Batch QC	WG1789250-4	1,4-Dioxane	LCSD	21	20	07	non-directional bias

ORGANICS

VOLATILES

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-01
Client ID: MW-103S
Sample Location: FRANKLIN, MA

Date Collected: 05/30/23 14:10
Date Received: 06/01/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 141,8260D
Analytical Date: 06/08/23 18:13
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	6.0		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
Trichlorofluoromethane	ND		ug/l	2.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.40	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.40	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.40	--	1
1,1-Dichloropropene	ND		ug/l	2.0	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	2.0	--	1
Vinyl chloride	1.6		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-01 Date Collected: 05/30/23 14:10

Client ID: MW-103S Date Received: 06/01/23

Sample Location: FRANKLIN, MA Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Trichloroethene	ND		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
Methyl tert butyl ether	ND		ug/l	2.0	--	1
p/m-Xylene	ND		ug/l	2.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	6.1		ug/l	1.0	--	1
1,2-Dichloroethene, Total	6.1		ug/l	1.0	--	1
Dibromomethane	ND		ug/l	2.0	--	1
1,2,3-Trichloropropane	ND		ug/l	2.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	2.0	--	1
Methyl ethyl ketone	ND		ug/l	5.0	--	1
Methyl isobutyl ketone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.0	--	1
Tetrahydrofuran	ND		ug/l	2.0	--	1
2,2-Dichloropropane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Bromobenzene	ND		ug/l	2.0	--	1
n-Butylbenzene	ND		ug/l	2.0	--	1
sec-Butylbenzene	ND		ug/l	2.0	--	1
tert-Butylbenzene	ND		ug/l	2.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1
p-Chlorotoluene	ND		ug/l	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	2.0	--	1
p-Isopropyltoluene	ND		ug/l	2.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
n-Propylbenzene	ND		ug/l	2.0	--	1

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-01 Date Collected: 05/30/23 14:10

Client ID: MW-103S Date Received: 06/01/23

Sample Location: FRANKLIN, MA Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--	1
Diethyl ether	ND		ug/l	2.0	--	1
Diisopropyl Ether	ND		ug/l	2.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	104		70-130

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-02
Client ID: MW-14
Sample Location: FRANKLIN, MA

Date Collected: 05/30/23 10:55
Date Received: 06/01/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 141,8260D
Analytical Date: 06/08/23 18:40
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	3.2		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
Trichlorofluoromethane	ND		ug/l	2.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.40	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.40	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.40	--	1
1,1-Dichloropropene	ND		ug/l	2.0	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-02 Date Collected: 05/30/23 10:55

Client ID: MW-14 Date Received: 06/01/23

Sample Location: FRANKLIN, MA Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Trichloroethene	4.2		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
Methyl tert butyl ether	ND		ug/l	2.0	--	1
p/m-Xylene	ND		ug/l	2.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	1
1,2-Dichloroethene, Total	ND		ug/l	1.0	--	1
Dibromomethane	ND		ug/l	2.0	--	1
1,2,3-Trichloropropane	ND		ug/l	2.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	2.0	--	1
Methyl ethyl ketone	ND		ug/l	5.0	--	1
Methyl isobutyl ketone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.0	--	1
Tetrahydrofuran	ND		ug/l	2.0	--	1
2,2-Dichloropropane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Bromobenzene	ND		ug/l	2.0	--	1
n-Butylbenzene	ND		ug/l	2.0	--	1
sec-Butylbenzene	ND		ug/l	2.0	--	1
tert-Butylbenzene	ND		ug/l	2.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1
p-Chlorotoluene	ND		ug/l	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	2.0	--	1
p-Isopropyltoluene	ND		ug/l	2.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
n-Propylbenzene	ND		ug/l	2.0	--	1

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-02 Date Collected: 05/30/23 10:55

Client ID: MW-14 Date Received: 06/01/23

Sample Location: FRANKLIN, MA Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--	1
Diethyl ether	ND		ug/l	2.0	--	1
Diisopropyl Ether	ND		ug/l	2.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	104		70-130

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-03
Client ID: MW-102S
Sample Location: FRANKLIN, MA

Date Collected: 05/30/23 12:25
Date Received: 06/01/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 141,8260D
Analytical Date: 06/08/23 19:07
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	1.3		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
Trichlorofluoromethane	ND		ug/l	2.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.40	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.40	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.40	--	1
1,1-Dichloropropene	ND		ug/l	2.0	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-03 Date Collected: 05/30/23 12:25

Client ID: MW-102S Date Received: 06/01/23

Sample Location: FRANKLIN, MA Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Trichloroethene	ND		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
Methyl tert butyl ether	ND		ug/l	2.0	--	1
p/m-Xylene	ND		ug/l	2.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	1
1,2-Dichloroethene, Total	ND		ug/l	1.0	--	1
Dibromomethane	ND		ug/l	2.0	--	1
1,2,3-Trichloropropane	ND		ug/l	2.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	2.0	--	1
Methyl ethyl ketone	ND		ug/l	5.0	--	1
Methyl isobutyl ketone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.0	--	1
Tetrahydrofuran	ND		ug/l	2.0	--	1
2,2-Dichloropropane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Bromobenzene	ND		ug/l	2.0	--	1
n-Butylbenzene	ND		ug/l	2.0	--	1
sec-Butylbenzene	3.2		ug/l	2.0	--	1
tert-Butylbenzene	ND		ug/l	2.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1
p-Chlorotoluene	ND		ug/l	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	2.0	--	1
p-Isopropyltoluene	ND		ug/l	2.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
n-Propylbenzene	ND		ug/l	2.0	--	1

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-03 Date Collected: 05/30/23 12:25

Client ID: MW-102S Date Received: 06/01/23

Sample Location: FRANKLIN, MA Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--	1
Diethyl ether	ND		ug/l	2.0	--	1
Diisopropyl Ether	ND		ug/l	2.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	102		70-130

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-04 D
Client ID: MW-105D
Sample Location: FRANKLIN, MA

Date Collected: 05/30/23 12:55
Date Received: 06/01/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 141,8260D
Analytical Date: 06/08/23 22:19
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	10	--	5
1,1-Dichloroethane	ND		ug/l	5.0	--	5
Chloroform	ND		ug/l	5.0	--	5
Carbon tetrachloride	ND		ug/l	5.0	--	5
1,2-Dichloropropane	ND		ug/l	5.0	--	5
Dibromochloromethane	ND		ug/l	5.0	--	5
1,1,2-Trichloroethane	ND		ug/l	5.0	--	5
Tetrachloroethene	600		ug/l	5.0	--	5
Chlorobenzene	ND		ug/l	5.0	--	5
Trichlorofluoromethane	ND		ug/l	10	--	5
1,2-Dichloroethane	ND		ug/l	5.0	--	5
1,1,1-Trichloroethane	ND		ug/l	5.0	--	5
Bromodichloromethane	ND		ug/l	5.0	--	5
trans-1,3-Dichloropropene	ND		ug/l	2.0	--	5
cis-1,3-Dichloropropene	ND		ug/l	2.0	--	5
1,3-Dichloropropene, Total	ND		ug/l	2.0	--	5
1,1-Dichloropropene	ND		ug/l	10	--	5
Bromoform	ND		ug/l	10	--	5
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	--	5
Benzene	ND		ug/l	2.5	--	5
Toluene	ND		ug/l	5.0	--	5
Ethylbenzene	ND		ug/l	5.0	--	5
Chloromethane	ND		ug/l	10	--	5
Bromomethane	ND		ug/l	10	--	5
Vinyl chloride	ND		ug/l	5.0	--	5
Chloroethane	ND		ug/l	10	--	5
1,1-Dichloroethene	ND		ug/l	5.0	--	5
trans-1,2-Dichloroethene	ND		ug/l	5.0	--	5

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-04 D
Client ID: MW-105D
Sample Location: FRANKLIN, MA

Date Collected: 05/30/23 12:55
Date Received: 06/01/23
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Trichloroethene	280		ug/l	5.0	--	5
1,2-Dichlorobenzene	ND		ug/l	5.0	--	5
1,3-Dichlorobenzene	ND		ug/l	5.0	--	5
1,4-Dichlorobenzene	ND		ug/l	5.0	--	5
Methyl tert butyl ether	ND		ug/l	10	--	5
p/m-Xylene	ND		ug/l	10	--	5
o-Xylene	ND		ug/l	5.0	--	5
Xylenes, Total	ND		ug/l	5.0	--	5
cis-1,2-Dichloroethene	8.3		ug/l	5.0	--	5
1,2-Dichloroethene, Total	8.3		ug/l	5.0	--	5
Dibromomethane	ND		ug/l	10	--	5
1,2,3-Trichloropropane	ND		ug/l	10	--	5
Styrene	ND		ug/l	5.0	--	5
Dichlorodifluoromethane	ND		ug/l	10	--	5
Acetone	ND		ug/l	25	--	5
Carbon disulfide	ND		ug/l	10	--	5
Methyl ethyl ketone	ND		ug/l	25	--	5
Methyl isobutyl ketone	ND		ug/l	25	--	5
2-Hexanone	ND		ug/l	25	--	5
Bromochloromethane	ND		ug/l	10	--	5
Tetrahydrofuran	ND		ug/l	10	--	5
2,2-Dichloropropane	ND		ug/l	10	--	5
1,2-Dibromoethane	ND		ug/l	10	--	5
1,3-Dichloropropane	ND		ug/l	10	--	5
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	--	5
Bromobenzene	ND		ug/l	10	--	5
n-Butylbenzene	ND		ug/l	10	--	5
sec-Butylbenzene	ND		ug/l	10	--	5
tert-Butylbenzene	ND		ug/l	10	--	5
o-Chlorotoluene	ND		ug/l	10	--	5
p-Chlorotoluene	ND		ug/l	10	--	5
1,2-Dibromo-3-chloropropane	ND		ug/l	10	--	5
Hexachlorobutadiene	ND		ug/l	3.0	--	5
Isopropylbenzene	ND		ug/l	10	--	5
p-Isopropyltoluene	ND		ug/l	10	--	5
Naphthalene	ND		ug/l	10	--	5
n-Propylbenzene	ND		ug/l	10	--	5

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-04 D
Client ID: MW-105D
Sample Location: FRANKLIN, MA

Date Collected: 05/30/23 12:55
Date Received: 06/01/23
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/l	10	--	5
1,2,4-Trichlorobenzene	ND		ug/l	10	--	5
1,3,5-Trimethylbenzene	ND		ug/l	10	--	5
1,2,4-Trimethylbenzene	ND		ug/l	10	--	5
Diethyl ether	ND		ug/l	10	--	5
Diisopropyl Ether	ND		ug/l	10	--	5
Ethyl-Tert-Butyl-Ether	ND		ug/l	10	--	5
Tertiary-Amyl Methyl Ether	ND		ug/l	10	--	5
1,4-Dioxane	ND		ug/l	1200	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	99		70-130

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-05
Client ID: MW-104S
Sample Location: FRANKLIN, MA

Date Collected: 05/30/23 14:45
Date Received: 06/01/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 141,8260D
Analytical Date: 06/08/23 19:35
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	34		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
Trichlorofluoromethane	ND		ug/l	2.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.40	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.40	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.40	--	1
1,1-Dichloropropene	ND		ug/l	2.0	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-05 Date Collected: 05/30/23 14:45

Client ID: MW-104S Date Received: 06/01/23

Sample Location: FRANKLIN, MA Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Trichloroethene	9.7		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
Methyl tert butyl ether	ND		ug/l	2.0	--	1
p/m-Xylene	ND		ug/l	2.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	14		ug/l	1.0	--	1
1,2-Dichloroethene, Total	14		ug/l	1.0	--	1
Dibromomethane	ND		ug/l	2.0	--	1
1,2,3-Trichloropropane	ND		ug/l	2.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	2.0	--	1
Methyl ethyl ketone	ND		ug/l	5.0	--	1
Methyl isobutyl ketone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.0	--	1
Tetrahydrofuran	ND		ug/l	2.0	--	1
2,2-Dichloropropane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Bromobenzene	ND		ug/l	2.0	--	1
n-Butylbenzene	ND		ug/l	2.0	--	1
sec-Butylbenzene	ND		ug/l	2.0	--	1
tert-Butylbenzene	ND		ug/l	2.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1
p-Chlorotoluene	ND		ug/l	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	2.0	--	1
p-Isopropyltoluene	ND		ug/l	2.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
n-Propylbenzene	ND		ug/l	2.0	--	1

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-05 Date Collected: 05/30/23 14:45

Client ID: MW-104S Date Received: 06/01/23

Sample Location: FRANKLIN, MA Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--	1
Diethyl ether	ND		ug/l	2.0	--	1
Diisopropyl Ether	ND		ug/l	2.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	100		70-130

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-06
Client ID: MW-3
Sample Location: FRANKLIN, MA

Date Collected: 05/30/23 11:05
Date Received: 06/01/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 141,8260D
Analytical Date: 06/08/23 20:02
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	6.2		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
Trichlorofluoromethane	ND		ug/l	2.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.40	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.40	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.40	--	1
1,1-Dichloropropene	ND		ug/l	2.0	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-06 Date Collected: 05/30/23 11:05

Client ID: MW-3 Date Received: 06/01/23

Sample Location: FRANKLIN, MA Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Trichloroethene	8.4		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
Methyl tert butyl ether	ND		ug/l	2.0	--	1
p/m-Xylene	ND		ug/l	2.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	1
1,2-Dichloroethene, Total	ND		ug/l	1.0	--	1
Dibromomethane	ND		ug/l	2.0	--	1
1,2,3-Trichloropropane	ND		ug/l	2.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	2.0	--	1
Methyl ethyl ketone	ND		ug/l	5.0	--	1
Methyl isobutyl ketone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.0	--	1
Tetrahydrofuran	ND		ug/l	2.0	--	1
2,2-Dichloropropane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Bromobenzene	ND		ug/l	2.0	--	1
n-Butylbenzene	ND		ug/l	2.0	--	1
sec-Butylbenzene	ND		ug/l	2.0	--	1
tert-Butylbenzene	ND		ug/l	2.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1
p-Chlorotoluene	ND		ug/l	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	2.0	--	1
p-Isopropyltoluene	ND		ug/l	2.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
n-Propylbenzene	ND		ug/l	2.0	--	1

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-06 Date Collected: 05/30/23 11:05

Client ID: MW-3 Date Received: 06/01/23

Sample Location: FRANKLIN, MA Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--	1
Diethyl ether	ND		ug/l	2.0	--	1
Diisopropyl Ether	ND		ug/l	2.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	103		70-130

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-07 D
Client ID: MW-102D
Sample Location: FRANKLIN, MA

Date Collected: 05/31/23 11:10
Date Received: 06/01/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 141,8260D
Analytical Date: 06/09/23 07:24
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	--	2.5
1,1-Dichloroethane	ND		ug/l	2.5	--	2.5
Chloroform	ND		ug/l	2.5	--	2.5
Carbon tetrachloride	ND		ug/l	2.5	--	2.5
1,2-Dichloropropane	ND		ug/l	2.5	--	2.5
Dibromochloromethane	ND		ug/l	2.5	--	2.5
1,1,2-Trichloroethane	ND		ug/l	2.5	--	2.5
Tetrachloroethene	4.4		ug/l	2.5	--	2.5
Chlorobenzene	ND		ug/l	2.5	--	2.5
Trichlorofluoromethane	ND		ug/l	5.0	--	2.5
1,2-Dichloroethane	ND		ug/l	2.5	--	2.5
1,1,1-Trichloroethane	8.5		ug/l	2.5	--	2.5
Bromodichloromethane	ND		ug/l	2.5	--	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.0	--	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.0	--	2.5
1,3-Dichloropropene, Total	ND		ug/l	1.0	--	2.5
1,1-Dichloropropene	ND		ug/l	5.0	--	2.5
Bromoform	ND		ug/l	5.0	--	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	--	2.5
Benzene	ND		ug/l	1.2	--	2.5
Toluene	ND		ug/l	2.5	--	2.5
Ethylbenzene	ND		ug/l	2.5	--	2.5
Chloromethane	ND		ug/l	5.0	--	2.5
Bromomethane	ND		ug/l	5.0	--	2.5
Vinyl chloride	ND		ug/l	2.5	--	2.5
Chloroethane	ND		ug/l	5.0	--	2.5
1,1-Dichloroethene	ND		ug/l	2.5	--	2.5
trans-1,2-Dichloroethene	ND		ug/l	2.5	--	2.5

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-07 D
Client ID: MW-102D
Sample Location: FRANKLIN, MA

Date Collected: 05/31/23 11:10
Date Received: 06/01/23
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Trichloroethene	300		ug/l	2.5	--	2.5
1,2-Dichlorobenzene	ND		ug/l	2.5	--	2.5
1,3-Dichlorobenzene	ND		ug/l	2.5	--	2.5
1,4-Dichlorobenzene	ND		ug/l	2.5	--	2.5
Methyl tert butyl ether	ND		ug/l	5.0	--	2.5
p/m-Xylene	ND		ug/l	5.0	--	2.5
o-Xylene	ND		ug/l	2.5	--	2.5
Xylenes, Total	ND		ug/l	2.5	--	2.5
cis-1,2-Dichloroethene	ND		ug/l	2.5	--	2.5
1,2-Dichloroethene, Total	ND		ug/l	2.5	--	2.5
Dibromomethane	ND		ug/l	5.0	--	2.5
1,2,3-Trichloropropane	ND		ug/l	5.0	--	2.5
Styrene	ND		ug/l	2.5	--	2.5
Dichlorodifluoromethane	ND		ug/l	5.0	--	2.5
Acetone	ND		ug/l	12	--	2.5
Carbon disulfide	ND		ug/l	5.0	--	2.5
Methyl ethyl ketone	ND		ug/l	12	--	2.5
Methyl isobutyl ketone	ND		ug/l	12	--	2.5
2-Hexanone	ND		ug/l	12	--	2.5
Bromochloromethane	ND		ug/l	5.0	--	2.5
Tetrahydrofuran	ND		ug/l	5.0	--	2.5
2,2-Dichloropropane	ND		ug/l	5.0	--	2.5
1,2-Dibromoethane	ND		ug/l	5.0	--	2.5
1,3-Dichloropropane	ND		ug/l	5.0	--	2.5
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	--	2.5
Bromobenzene	ND		ug/l	5.0	--	2.5
n-Butylbenzene	ND		ug/l	5.0	--	2.5
sec-Butylbenzene	ND		ug/l	5.0	--	2.5
tert-Butylbenzene	ND		ug/l	5.0	--	2.5
o-Chlorotoluene	ND		ug/l	5.0	--	2.5
p-Chlorotoluene	ND		ug/l	5.0	--	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	--	2.5
Hexachlorobutadiene	ND		ug/l	1.5	--	2.5
Isopropylbenzene	ND		ug/l	5.0	--	2.5
p-Isopropyltoluene	ND		ug/l	5.0	--	2.5
Naphthalene	ND		ug/l	5.0	--	2.5
n-Propylbenzene	ND		ug/l	5.0	--	2.5

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-07 D
Client ID: MW-102D
Sample Location: FRANKLIN, MA

Date Collected: 05/31/23 11:10
Date Received: 06/01/23
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/l	5.0	--	2.5
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	2.5
1,3,5-Trimethylbenzene	ND		ug/l	5.0	--	2.5
1,2,4-Trimethylbenzene	ND		ug/l	5.0	--	2.5
Diethyl ether	ND		ug/l	5.0	--	2.5
Diisopropyl Ether	ND		ug/l	5.0	--	2.5
Ethyl-Tert-Butyl-Ether	ND		ug/l	5.0	--	2.5
Tertiary-Amyl Methyl Ether	ND		ug/l	5.0	--	2.5
1,4-Dioxane	ND		ug/l	620	--	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	105		70-130

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-08
Client ID: MW-103D
Sample Location: FRANKLIN, MA

Date Collected: 05/31/23 12:50
Date Received: 06/01/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 141,8260D
Analytical Date: 06/08/23 20:29
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	4.9		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
Trichlorofluoromethane	ND		ug/l	2.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.40	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.40	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.40	--	1
1,1-Dichloropropene	ND		ug/l	2.0	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-08 Date Collected: 05/31/23 12:50

Client ID: MW-103D Date Received: 06/01/23

Sample Location: FRANKLIN, MA Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Trichloroethene	2.6		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
Methyl tert butyl ether	ND		ug/l	2.0	--	1
p/m-Xylene	ND		ug/l	2.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	5.6		ug/l	1.0	--	1
1,2-Dichloroethene, Total	5.6		ug/l	1.0	--	1
Dibromomethane	ND		ug/l	2.0	--	1
1,2,3-Trichloropropane	ND		ug/l	2.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	2.0	--	1
Methyl ethyl ketone	ND		ug/l	5.0	--	1
Methyl isobutyl ketone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.0	--	1
Tetrahydrofuran	ND		ug/l	2.0	--	1
2,2-Dichloropropane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Bromobenzene	ND		ug/l	2.0	--	1
n-Butylbenzene	ND		ug/l	2.0	--	1
sec-Butylbenzene	ND		ug/l	2.0	--	1
tert-Butylbenzene	ND		ug/l	2.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1
p-Chlorotoluene	ND		ug/l	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	2.0	--	1
p-Isopropyltoluene	ND		ug/l	2.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
n-Propylbenzene	ND		ug/l	2.0	--	1

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-08 Date Collected: 05/31/23 12:50

Client ID: MW-103D Date Received: 06/01/23

Sample Location: FRANKLIN, MA Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--	1
Diethyl ether	ND		ug/l	2.0	--	1
Diisopropyl Ether	ND		ug/l	2.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	103		70-130

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-09
Client ID: MW-105S
Sample Location: FRANKLIN, MA

Date Collected: 05/31/23 11:25
Date Received: 06/01/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 141,8260D
Analytical Date: 06/08/23 20:57
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	88		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
Trichlorofluoromethane	ND		ug/l	2.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.40	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.40	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.40	--	1
1,1-Dichloropropene	ND		ug/l	2.0	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-09 Date Collected: 05/31/23 11:25

Client ID: MW-105S Date Received: 06/01/23

Sample Location: FRANKLIN, MA Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Trichloroethene	16		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
Methyl tert butyl ether	ND		ug/l	2.0	--	1
p/m-Xylene	ND		ug/l	2.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	1.2		ug/l	1.0	--	1
1,2-Dichloroethene, Total	1.2		ug/l	1.0	--	1
Dibromomethane	ND		ug/l	2.0	--	1
1,2,3-Trichloropropane	ND		ug/l	2.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	2.0	--	1
Methyl ethyl ketone	ND		ug/l	5.0	--	1
Methyl isobutyl ketone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.0	--	1
Tetrahydrofuran	ND		ug/l	2.0	--	1
2,2-Dichloropropane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Bromobenzene	ND		ug/l	2.0	--	1
n-Butylbenzene	ND		ug/l	2.0	--	1
sec-Butylbenzene	ND		ug/l	2.0	--	1
tert-Butylbenzene	ND		ug/l	2.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1
p-Chlorotoluene	ND		ug/l	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	2.0	--	1
p-Isopropyltoluene	ND		ug/l	2.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
n-Propylbenzene	ND		ug/l	2.0	--	1

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-09 Date Collected: 05/31/23 11:25

Client ID: MW-105S Date Received: 06/01/23

Sample Location: FRANKLIN, MA Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--	1
Diethyl ether	ND		ug/l	2.0	--	1
Diisopropyl Ether	ND		ug/l	2.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	97		70-130

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-10 D
Client ID: MW-104D
Sample Location: FRANKLIN, MA

Date Collected: 05/31/23 12:45
Date Received: 06/01/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 141,8260D
Analytical Date: 06/08/23 21:24
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	10	--	5
1,1-Dichloroethane	ND		ug/l	5.0	--	5
Chloroform	ND		ug/l	5.0	--	5
Carbon tetrachloride	ND		ug/l	5.0	--	5
1,2-Dichloropropane	ND		ug/l	5.0	--	5
Dibromochloromethane	ND		ug/l	5.0	--	5
1,1,2-Trichloroethane	ND		ug/l	5.0	--	5
Tetrachloroethene	340		ug/l	5.0	--	5
Chlorobenzene	ND		ug/l	5.0	--	5
Trichlorofluoromethane	ND		ug/l	10	--	5
1,2-Dichloroethane	ND		ug/l	5.0	--	5
1,1,1-Trichloroethane	9.1		ug/l	5.0	--	5
Bromodichloromethane	ND		ug/l	5.0	--	5
trans-1,3-Dichloropropene	ND		ug/l	2.0	--	5
cis-1,3-Dichloropropene	ND		ug/l	2.0	--	5
1,3-Dichloropropene, Total	ND		ug/l	2.0	--	5
1,1-Dichloropropene	ND		ug/l	10	--	5
Bromoform	ND		ug/l	10	--	5
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	--	5
Benzene	ND		ug/l	2.5	--	5
Toluene	ND		ug/l	5.0	--	5
Ethylbenzene	ND		ug/l	5.0	--	5
Chloromethane	ND		ug/l	10	--	5
Bromomethane	ND		ug/l	10	--	5
Vinyl chloride	ND		ug/l	5.0	--	5
Chloroethane	ND		ug/l	10	--	5
1,1-Dichloroethene	ND		ug/l	5.0	--	5
trans-1,2-Dichloroethene	ND		ug/l	5.0	--	5

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-10 D
Client ID: MW-104D
Sample Location: FRANKLIN, MA

Date Collected: 05/31/23 12:45
Date Received: 06/01/23
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Trichloroethene	500		ug/l	5.0	--	5
1,2-Dichlorobenzene	ND		ug/l	5.0	--	5
1,3-Dichlorobenzene	ND		ug/l	5.0	--	5
1,4-Dichlorobenzene	ND		ug/l	5.0	--	5
Methyl tert butyl ether	ND		ug/l	10	--	5
p/m-Xylene	ND		ug/l	10	--	5
o-Xylene	ND		ug/l	5.0	--	5
Xylenes, Total	ND		ug/l	5.0	--	5
cis-1,2-Dichloroethene	5.5		ug/l	5.0	--	5
1,2-Dichloroethene, Total	5.5		ug/l	5.0	--	5
Dibromomethane	ND		ug/l	10	--	5
1,2,3-Trichloropropane	ND		ug/l	10	--	5
Styrene	ND		ug/l	5.0	--	5
Dichlorodifluoromethane	ND		ug/l	10	--	5
Acetone	ND		ug/l	25	--	5
Carbon disulfide	ND		ug/l	10	--	5
Methyl ethyl ketone	ND		ug/l	25	--	5
Methyl isobutyl ketone	ND		ug/l	25	--	5
2-Hexanone	ND		ug/l	25	--	5
Bromochloromethane	ND		ug/l	10	--	5
Tetrahydrofuran	ND		ug/l	10	--	5
2,2-Dichloropropane	ND		ug/l	10	--	5
1,2-Dibromoethane	ND		ug/l	10	--	5
1,3-Dichloropropane	ND		ug/l	10	--	5
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	--	5
Bromobenzene	ND		ug/l	10	--	5
n-Butylbenzene	ND		ug/l	10	--	5
sec-Butylbenzene	ND		ug/l	10	--	5
tert-Butylbenzene	ND		ug/l	10	--	5
o-Chlorotoluene	ND		ug/l	10	--	5
p-Chlorotoluene	ND		ug/l	10	--	5
1,2-Dibromo-3-chloropropane	ND		ug/l	10	--	5
Hexachlorobutadiene	ND		ug/l	3.0	--	5
Isopropylbenzene	ND		ug/l	10	--	5
p-Isopropyltoluene	ND		ug/l	10	--	5
Naphthalene	ND		ug/l	10	--	5
n-Propylbenzene	ND		ug/l	10	--	5

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-10 D Date Collected: 05/31/23 12:45
Client ID: MW-104D Date Received: 06/01/23
Sample Location: FRANKLIN, MA Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/l	10	--	5
1,2,4-Trichlorobenzene	ND		ug/l	10	--	5
1,3,5-Trimethylbenzene	ND		ug/l	10	--	5
1,2,4-Trimethylbenzene	ND		ug/l	10	--	5
Diethyl ether	ND		ug/l	10	--	5
Diisopropyl Ether	ND		ug/l	10	--	5
Ethyl-Tert-Butyl-Ether	ND		ug/l	10	--	5
Tertiary-Amyl Methyl Ether	ND		ug/l	10	--	5
1,4-Dioxane	ND		ug/l	1200	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	100		70-130

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 141,8260D
Analytical Date: 06/08/23 16:23
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-06,08-10 Batch: WG1789130-5					
Methylene chloride	ND		ug/l	2.0	--
1,1-Dichloroethane	ND		ug/l	1.0	--
Chloroform	ND		ug/l	1.0	--
Carbon tetrachloride	ND		ug/l	1.0	--
1,2-Dichloropropane	ND		ug/l	1.0	--
Dibromochloromethane	ND		ug/l	1.0	--
1,1,2-Trichloroethane	ND		ug/l	1.0	--
Tetrachloroethene	ND		ug/l	1.0	--
Chlorobenzene	ND		ug/l	1.0	--
Trichlorofluoromethane	ND		ug/l	2.0	--
1,2-Dichloroethane	ND		ug/l	1.0	--
1,1,1-Trichloroethane	ND		ug/l	1.0	--
Bromodichloromethane	ND		ug/l	1.0	--
trans-1,3-Dichloropropene	ND		ug/l	0.40	--
cis-1,3-Dichloropropene	ND		ug/l	0.40	--
1,3-Dichloropropene, Total	ND		ug/l	0.40	--
1,1-Dichloropropene	ND		ug/l	2.0	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	1.0	--
Ethylbenzene	ND		ug/l	1.0	--
Chloromethane	ND		ug/l	2.0	--
Bromomethane	ND		ug/l	2.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	2.0	--
1,1-Dichloroethene	ND		ug/l	1.0	--
trans-1,2-Dichloroethene	ND		ug/l	1.0	--
Trichloroethene	ND		ug/l	1.0	--

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 141,8260D
Analytical Date: 06/08/23 16:23
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-06,08-10 Batch: WG1789130-5					
1,2-Dichlorobenzene	ND		ug/l	1.0	--
1,3-Dichlorobenzene	ND		ug/l	1.0	--
1,4-Dichlorobenzene	ND		ug/l	1.0	--
Methyl tert butyl ether	ND		ug/l	2.0	--
p/m-Xylene	ND		ug/l	2.0	--
o-Xylene	ND		ug/l	1.0	--
Xylenes, Total	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	1.0	--
1,2-Dichloroethene, Total	ND		ug/l	1.0	--
Dibromomethane	ND		ug/l	2.0	--
1,2,3-Trichloropropane	ND		ug/l	2.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	2.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	2.0	--
Methyl ethyl ketone	ND		ug/l	5.0	--
Methyl isobutyl ketone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.0	--
Tetrahydrofuran	ND		ug/l	2.0	--
2,2-Dichloropropane	ND		ug/l	2.0	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--
Bromobenzene	ND		ug/l	2.0	--
n-Butylbenzene	ND		ug/l	2.0	--
sec-Butylbenzene	ND		ug/l	2.0	--
tert-Butylbenzene	ND		ug/l	2.0	--
o-Chlorotoluene	ND		ug/l	2.0	--

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 141,8260D
Analytical Date: 06/08/23 16:23
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-06,08-10 Batch: WG1789130-5					
p-Chlorotoluene	ND		ug/l	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--
Hexachlorobutadiene	ND		ug/l	0.60	--
Isopropylbenzene	ND		ug/l	2.0	--
p-Isopropyltoluene	ND		ug/l	2.0	--
Naphthalene	ND		ug/l	2.0	--
n-Propylbenzene	ND		ug/l	2.0	--
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--
Diethyl ether	ND		ug/l	2.0	--
Diisopropyl Ether	ND		ug/l	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	100		70-130

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 141,8260D
Analytical Date: 06/09/23 06:01
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 07 Batch: WG1789250-5					
Methylene chloride	ND		ug/l	2.0	--
1,1-Dichloroethane	ND		ug/l	1.0	--
Chloroform	ND		ug/l	1.0	--
Carbon tetrachloride	ND		ug/l	1.0	--
1,2-Dichloropropane	ND		ug/l	1.0	--
Dibromochloromethane	ND		ug/l	1.0	--
1,1,2-Trichloroethane	ND		ug/l	1.0	--
Tetrachloroethene	ND		ug/l	1.0	--
Chlorobenzene	ND		ug/l	1.0	--
Trichlorofluoromethane	ND		ug/l	2.0	--
1,2-Dichloroethane	ND		ug/l	1.0	--
1,1,1-Trichloroethane	ND		ug/l	1.0	--
Bromodichloromethane	ND		ug/l	1.0	--
trans-1,3-Dichloropropene	ND		ug/l	0.40	--
cis-1,3-Dichloropropene	ND		ug/l	0.40	--
1,3-Dichloropropene, Total	ND		ug/l	0.40	--
1,1-Dichloropropene	ND		ug/l	2.0	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	1.0	--
Ethylbenzene	ND		ug/l	1.0	--
Chloromethane	ND		ug/l	2.0	--
Bromomethane	ND		ug/l	2.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	2.0	--
1,1-Dichloroethene	ND		ug/l	1.0	--
trans-1,2-Dichloroethene	ND		ug/l	1.0	--
Trichloroethene	ND		ug/l	1.0	--

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 141,8260D
Analytical Date: 06/09/23 06:01
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 07 Batch: WG1789250-5					
1,2-Dichlorobenzene	ND		ug/l	1.0	--
1,3-Dichlorobenzene	ND		ug/l	1.0	--
1,4-Dichlorobenzene	ND		ug/l	1.0	--
Methyl tert butyl ether	ND		ug/l	2.0	--
p/m-Xylene	ND		ug/l	2.0	--
o-Xylene	ND		ug/l	1.0	--
Xylenes, Total	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	1.0	--
1,2-Dichloroethene, Total	ND		ug/l	1.0	--
Dibromomethane	ND		ug/l	2.0	--
1,2,3-Trichloropropane	ND		ug/l	2.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	2.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	2.0	--
Methyl ethyl ketone	ND		ug/l	5.0	--
Methyl isobutyl ketone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.0	--
Tetrahydrofuran	ND		ug/l	2.0	--
2,2-Dichloropropane	ND		ug/l	2.0	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--
Bromobenzene	ND		ug/l	2.0	--
n-Butylbenzene	ND		ug/l	2.0	--
sec-Butylbenzene	ND		ug/l	2.0	--
tert-Butylbenzene	ND		ug/l	2.0	--
o-Chlorotoluene	ND		ug/l	2.0	--

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 141,8260D
Analytical Date: 06/09/23 06:01
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 07 Batch: WG1789250-5					
p-Chlorotoluene	ND		ug/l	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--
Hexachlorobutadiene	ND		ug/l	0.60	--
Isopropylbenzene	ND		ug/l	2.0	--
p-Isopropyltoluene	ND		ug/l	2.0	--
Naphthalene	ND		ug/l	2.0	--
n-Propylbenzene	ND		ug/l	2.0	--
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--
Diethyl ether	ND		ug/l	2.0	--
Diisopropyl Ether	ND		ug/l	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	108		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-06,08-10 Batch: WG1789130-3 WG1789130-4								
Methylene chloride	93		94		70-130	1		20
1,1-Dichloroethane	94		95		70-130	1		20
Chloroform	94		94		70-130	0		20
Carbon tetrachloride	93		94		70-130	1		20
1,2-Dichloropropane	98		100		70-130	2		20
Dibromochloromethane	92		94		70-130	2		20
1,1,2-Trichloroethane	95		96		70-130	1		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	93		94		70-130	1		20
Trichlorofluoromethane	99		100		70-130	1		20
1,2-Dichloroethane	96		96		70-130	0		20
1,1,1-Trichloroethane	93		95		70-130	2		20
Bromodichloromethane	95		95		70-130	0		20
trans-1,3-Dichloropropene	99		98		70-130	1		20
cis-1,3-Dichloropropene	97		99		70-130	2		20
1,1-Dichloropropene	98		97		70-130	1		20
Bromoform	91		92		70-130	1		20
1,1,2,2-Tetrachloroethane	97		93		70-130	4		20
Benzene	96		98		70-130	2		20
Toluene	92		93		70-130	1		20
Ethylbenzene	92		94		70-130	2		20
Chloromethane	85		87		70-130	2		20
Bromomethane	110		110		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-06,08-10 Batch: WG1789130-3 WG1789130-4								
Vinyl chloride	94		96		70-130	2		20
Chloroethane	93		95		70-130	2		20
1,1-Dichloroethene	92		95		70-130	3		20
trans-1,2-Dichloroethene	93		93		70-130	0		20
Trichloroethene	95		97		70-130	2		20
1,2-Dichlorobenzene	96		96		70-130	0		20
1,3-Dichlorobenzene	95		95		70-130	0		20
1,4-Dichlorobenzene	93		94		70-130	1		20
Methyl tert butyl ether	98		98		70-130	0		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	95		90		70-130	5		20
cis-1,2-Dichloroethene	92		95		70-130	3		20
Dibromomethane	92		95		70-130	3		20
1,2,3-Trichloropropane	96		92		70-130	4		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	90		92		70-130	2		20
Acetone	100		110		70-130	10		20
Carbon disulfide	94		94		70-130	0		20
Methyl ethyl ketone	97		90		70-130	7		20
Methyl isobutyl ketone	96		87		70-130	10		20
2-Hexanone	95		86		70-130	10		20
Bromochloromethane	95		96		70-130	1		20
Tetrahydrofuran	110		110		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-06,08-10 Batch: WG1789130-3 WG1789130-4								
2,2-Dichloropropane	98		98		70-130	0		20
1,2-Dibromoethane	99		99		70-130	0		20
1,3-Dichloropropane	100		98		70-130	2		20
1,1,1,2-Tetrachloroethane	96		94		70-130	2		20
Bromobenzene	94		94		70-130	0		20
n-Butylbenzene	100		100		70-130	0		20
sec-Butylbenzene	96		96		70-130	0		20
tert-Butylbenzene	94		96		70-130	2		20
o-Chlorotoluene	93		93		70-130	0		20
p-Chlorotoluene	94		92		70-130	2		20
1,2-Dibromo-3-chloropropane	97		92		70-130	5		20
Hexachlorobutadiene	100		100		70-130	0		20
Isopropylbenzene	92		92		70-130	0		20
p-Isopropyltoluene	97		98		70-130	1		20
Naphthalene	100		100		70-130	0		20
n-Propylbenzene	95		94		70-130	1		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20
1,2,4-Trichlorobenzene	100		100		70-130	0		20
1,3,5-Trimethylbenzene	95		95		70-130	0		20
1,2,4-Trimethylbenzene	96		96		70-130	0		20
Diethyl ether	98		98		70-130	0		20
Diisopropyl Ether	98		96		70-130	2		20
Ethyl-Tert-Butyl-Ether	96		95		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: TOWN OF FRANKLIN

Project Number: 17356

Lab Number: L2330480

Report Date: 06/21/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab	Associated sample(s): 01-06,08-10		Batch: WG1789130-3 WG1789130-4					
Tertiary-Amyl Methyl Ether	95		96		70-130	1		20
1,4-Dioxane	80		98		70-130	20		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		97		70-130
Toluene-d8	101		99		70-130
4-Bromofluorobenzene	99		97		70-130
Dibromofluoromethane	98		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 07 Batch: WG1789250-3 WG1789250-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	98		100		70-130	2		20
Chloroform	98		98		70-130	0		20
Carbon tetrachloride	99		100		70-130	1		20
1,2-Dichloropropane	98		99		70-130	1		20
Dibromochloromethane	92		91		70-130	1		20
1,1,2-Trichloroethane	94		96		70-130	2		20
Tetrachloroethene	99		100		70-130	1		20
Chlorobenzene	94		97		70-130	3		20
Trichlorofluoromethane	97		98		70-130	1		20
1,2-Dichloroethane	98		99		70-130	1		20
1,1,1-Trichloroethane	95		96		70-130	1		20
Bromodichloromethane	98		99		70-130	1		20
trans-1,3-Dichloropropene	94		95		70-130	1		20
cis-1,3-Dichloropropene	97		97		70-130	0		20
1,1-Dichloropropene	95		96		70-130	1		20
Bromoform	87		89		70-130	2		20
1,1,2,2-Tetrachloroethane	94		96		70-130	2		20
Benzene	95		97		70-130	2		20
Toluene	92		98		70-130	6		20
Ethylbenzene	95		98		70-130	3		20
Chloromethane	99		100		70-130	1		20
Bromomethane	91		98		70-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: TOWN OF FRANKLIN

Project Number: 17356

Lab Number: L2330480

Report Date: 06/21/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 07 Batch: WG1789250-3 WG1789250-4								
Vinyl chloride	99		100		70-130	1		20
Chloroethane	99		100		70-130	1		20
1,1-Dichloroethene	99		97		70-130	2		20
trans-1,2-Dichloroethene	99		100		70-130	1		20
Trichloroethene	97		96		70-130	1		20
1,2-Dichlorobenzene	97		99		70-130	2		20
1,3-Dichlorobenzene	97		99		70-130	2		20
1,4-Dichlorobenzene	96		99		70-130	3		20
Methyl tert butyl ether	93		95		70-130	2		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	97		98		70-130	1		20
1,2,3-Trichloropropane	95		95		70-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	93		90		70-130	3		20
Acetone	100		100		70-130	0		20
Carbon disulfide	98		100		70-130	2		20
Methyl ethyl ketone	96		91		70-130	5		20
Methyl isobutyl ketone	89		94		70-130	5		20
2-Hexanone	89		92		70-130	3		20
Bromochloromethane	100		100		70-130	0		20
Tetrahydrofuran	96		110		70-130	14		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 07 Batch: WG1789250-3 WG1789250-4								
2,2-Dichloropropane	100		100		70-130	0		20
1,2-Dibromoethane	93		96		70-130	3		20
1,3-Dichloropropane	95		96		70-130	1		20
1,1,1,2-Tetrachloroethane	94		95		70-130	1		20
Bromobenzene	98		97		70-130	1		20
n-Butylbenzene	98		100		70-130	2		20
sec-Butylbenzene	95		96		70-130	1		20
tert-Butylbenzene	94		97		70-130	3		20
o-Chlorotoluene	94		96		70-130	2		20
p-Chlorotoluene	94		94		70-130	0		20
1,2-Dibromo-3-chloropropane	91		94		70-130	3		20
Hexachlorobutadiene	100		100		70-130	0		20
Isopropylbenzene	93		95		70-130	2		20
p-Isopropyltoluene	96		98		70-130	2		20
Naphthalene	96		100		70-130	4		20
n-Propylbenzene	95		96		70-130	1		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20
1,2,4-Trichlorobenzene	100		100		70-130	0		20
1,3,5-Trimethylbenzene	96		97		70-130	1		20
1,2,4-Trimethylbenzene	95		98		70-130	3		20
Diethyl ether	95		99		70-130	4		20
Diisopropyl Ether	95		98		70-130	3		20
Ethyl-Tert-Butyl-Ether	91		95		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: TOWN OF FRANKLIN

Project Number: 17356

Lab Number: L2330480

Report Date: 06/21/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 07 Batch: WG1789250-3 WG1789250-4								
Tertiary-Amyl Methyl Ether	94		95		70-130	1		20
1,4-Dioxane	**138**	Q	112		70-130	**21**	Q	20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		97		70-130
Toluene-d8	98		100		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	102		102		70-130

PETROLEUM HYDROCARBONS

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-01
Client ID: MW-103S
Sample Location: FRANKLIN, MA

Date Collected: 05/30/23 14:10
Date Received: 06/01/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 131,VPH-18-2.1
Analytical Date: 06/09/23 19:14
Analyst: BAD

Trap: EST, Carbopack B/Carboxen 1000&1001

Analytical Column: Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received: Satisfactory
Aqueous Preservative: Laboratory Provided Preserved Container
Sample Temperature upon receipt: Received on Ice

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		ug/l	100	--	1
C9-C12 Aliphatics	ND		ug/l	100	--	1
C9-C10 Aromatics	ND		ug/l	100	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/l	100	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/l	100	--	1
Benzene	ND		ug/l	2.00	--	1
Toluene	ND		ug/l	2.00	--	1
Ethylbenzene	ND		ug/l	2.00	--	1
p/m-Xylene	ND		ug/l	2.00	--	1
o-Xylene	ND		ug/l	2.00	--	1
Methyl tert butyl ether	ND		ug/l	3.00	--	1
Naphthalene	ND		ug/l	4.00	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	94		70-130
2,5-Dibromotoluene-FID	98		70-130

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID:	L2330480-01			Date Collected:	05/30/23 14:10
Client ID:	MW-103S			Date Received:	06/01/23
Sample Location:	FRANKLIN, MA			Field Prep:	Refer to COC
Sample Depth:					
Matrix:	Water			Extraction Method:	EPA 3510C
Analytical Method:	135,EPH-19-2.1			Extraction Date:	06/06/23 01:03
Analytical Date:	06/14/23 00:24	M.S. Analytical Date:	06/14/23 13:59	Cleanup Method1:	EPH-19-2.1
Analyst:	ALL	M.S. Analyst:	AH	Cleanup Date1:	06/13/23

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

EPH w/Targets via GCMS-SIM - Westborough Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
C9-C18 Aliphatics	ND		ug/l	100	--	1
C19-C36 Aliphatics	ND		ug/l	100	--	1
C11-C22 Aromatics	ND		ug/l	100	--	1
C11-C22 Aromatics, Adjusted	ND		ug/l	100	--	1
Naphthalene	ND		ug/l	0.400	--	1
2-Methylnaphthalene	ND		ug/l	0.400	--	1
Acenaphthylene	ND		ug/l	0.400	--	1
Acenaphthene	ND		ug/l	0.400	--	1
Fluorene	ND		ug/l	0.400	--	1
Phenanthrene	ND		ug/l	0.400	--	1
Anthracene	ND		ug/l	0.400	--	1
Fluoranthene	ND		ug/l	0.400	--	1
Pyrene	ND		ug/l	0.400	--	1
Benzo(a)anthracene	ND		ug/l	0.400	--	1
Chrysene	ND		ug/l	0.400	--	1
Benzo(b)fluoranthene	ND		ug/l	0.400	--	1
Benzo(k)fluoranthene	ND		ug/l	0.400	--	1
Benzo(a)pyrene	ND		ug/l	0.200	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.400	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.400	--	1
Benzo(ghi)perylene	ND		ug/l	0.400	--	1

Project Name: TOWN OF FRANKLIN
Lab Number: L2330480
Project Number: 17356
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID:	L2330480-01	Date Collected:	05/30/23 14:10
Client ID:	MW-103S	Date Received:	06/01/23
Sample Location:	FRANKLIN, MA	Field Prep:	Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

EPH w/Targets via GCMS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	62		40-140
o-Terphenyl	61		40-140
2-Fluorobiphenyl	77		40-140
2-Bromonaphthalene	78		40-140
O-Terphenyl-MS	77		40-140

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID:	L2330480-02	Date Collected:	05/30/23 10:55
Client ID:	MW-14	Date Received:	06/01/23
Sample Location:	FRANKLIN, MA	Field Prep:	Refer to COC
Sample Depth:			
Matrix:	Water		
Analytical Method:	131,VPH-18-2.1		
Analytical Date:	06/09/23 19:46		
Analyst:	BAD		

Trap:	EST, Carbopack B/Carboxen 1000&1001	Analytical Column:	Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		ug/l	100	--	1
C9-C12 Aliphatics	ND		ug/l	100	--	1
C9-C10 Aromatics	ND		ug/l	100	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/l	100	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/l	100	--	1
Benzene	ND		ug/l	2.00	--	1
Toluene	ND		ug/l	2.00	--	1
Ethylbenzene	ND		ug/l	2.00	--	1
p/m-Xylene	ND		ug/l	2.00	--	1
o-Xylene	ND		ug/l	2.00	--	1
Methyl tert butyl ether	ND		ug/l	3.00	--	1
Naphthalene	ND		ug/l	4.00	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	89		70-130
2,5-Dibromotoluene-FID	93		70-130

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID:	L2330480-02			Date Collected:	05/30/23 10:55
Client ID:	MW-14			Date Received:	06/01/23
Sample Location:	FRANKLIN, MA			Field Prep:	Refer to COC
Sample Depth:					
Matrix:	Water			Extraction Method:	EPA 3510C
Analytical Method:	135,EPH-19-2.1			Extraction Date:	06/06/23 01:03
Analytical Date:	06/14/23 00:49	M.S. Analytical Date:	06/14/23 14:15	Cleanup Method1:	EPH-19-2.1
Analyst:	ALL	M.S. Analyst:	AH	Cleanup Date1:	06/13/23

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
EPH w/Targets via GCMS-SIM - Westborough Lab						
C9-C18 Aliphatics	ND		ug/l	100	--	1
C19-C36 Aliphatics	ND		ug/l	100	--	1
C11-C22 Aromatics	ND		ug/l	100	--	1
C11-C22 Aromatics, Adjusted	ND		ug/l	100	--	1
Naphthalene	ND		ug/l	0.400	--	1
2-Methylnaphthalene	ND		ug/l	0.400	--	1
Acenaphthylene	ND		ug/l	0.400	--	1
Acenaphthene	ND		ug/l	0.400	--	1
Fluorene	ND		ug/l	0.400	--	1
Phenanthrene	ND		ug/l	0.400	--	1
Anthracene	ND		ug/l	0.400	--	1
Fluoranthene	ND		ug/l	0.400	--	1
Pyrene	ND		ug/l	0.400	--	1
Benzo(a)anthracene	ND		ug/l	0.400	--	1
Chrysene	ND		ug/l	0.400	--	1
Benzo(b)fluoranthene	ND		ug/l	0.400	--	1
Benzo(k)fluoranthene	ND		ug/l	0.400	--	1
Benzo(a)pyrene	ND		ug/l	0.200	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.400	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.400	--	1
Benzo(ghi)perylene	ND		ug/l	0.400	--	1

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID:	L2330480-02	Date Collected:	05/30/23 10:55
Client ID:	MW-14	Date Received:	06/01/23
Sample Location:	FRANKLIN, MA	Field Prep:	Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

EPH w/Targets via GCMS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	63		40-140
o-Terphenyl	51		40-140
2-Fluorobiphenyl	63		40-140
2-Bromonaphthalene	64		40-140
O-Terphenyl-MS	67		40-140

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID:	L2330480-03	Date Collected:	05/30/23 12:25
Client ID:	MW-102S	Date Received:	06/01/23
Sample Location:	FRANKLIN, MA	Field Prep:	Refer to COC
Sample Depth:			
Matrix:	Water		
Analytical Method:	131,VPH-18-2.1		
Analytical Date:	06/09/23 20:18		
Analyst:	BAD		

Trap:	EST, Carbopack B/Carboxen 1000&1001	Analytical Column:	Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		ug/l	100	--	1
C9-C12 Aliphatics	ND		ug/l	100	--	1
C9-C10 Aromatics	ND		ug/l	100	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/l	100	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/l	100	--	1
Benzene	ND		ug/l	2.00	--	1
Toluene	ND		ug/l	2.00	--	1
Ethylbenzene	ND		ug/l	2.00	--	1
p/m-Xylene	ND		ug/l	2.00	--	1
o-Xylene	ND		ug/l	2.00	--	1
Methyl tert butyl ether	ND		ug/l	3.00	--	1
Naphthalene	ND		ug/l	4.00	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	91		70-130
2,5-Dibromotoluene-FID	95		70-130

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID:	L2330480-03			Date Collected:	05/30/23 12:25
Client ID:	MW-102S			Date Received:	06/01/23
Sample Location:	FRANKLIN, MA			Field Prep:	Refer to COC
Sample Depth:					
Matrix:	Water			Extraction Method:	EPA 3510C
Analytical Method:	135,EPH-19-2.1			Extraction Date:	06/06/23 01:03
Analytical Date:	06/14/23 01:14	M.S. Analytical Date:	06/14/23 14:32	Cleanup Method1:	EPH-19-2.1
Analyst:	ALL	M.S. Analyst:	AH	Cleanup Date1:	06/13/23

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
EPH w/Targets via GCMS-SIM - Westborough Lab						
C9-C18 Aliphatics	ND		ug/l	100	--	1
C19-C36 Aliphatics	ND		ug/l	100	--	1
C11-C22 Aromatics	ND		ug/l	100	--	1
C11-C22 Aromatics, Adjusted	ND		ug/l	100	--	1
Naphthalene	ND		ug/l	0.400	--	1
2-Methylnaphthalene	ND		ug/l	0.400	--	1
Acenaphthylene	ND		ug/l	0.400	--	1
Acenaphthene	ND		ug/l	0.400	--	1
Fluorene	ND		ug/l	0.400	--	1
Phenanthrene	ND		ug/l	0.400	--	1
Anthracene	ND		ug/l	0.400	--	1
Fluoranthene	ND		ug/l	0.400	--	1
Pyrene	ND		ug/l	0.400	--	1
Benzo(a)anthracene	ND		ug/l	0.400	--	1
Chrysene	ND		ug/l	0.400	--	1
Benzo(b)fluoranthene	ND		ug/l	0.400	--	1
Benzo(k)fluoranthene	ND		ug/l	0.400	--	1
Benzo(a)pyrene	ND		ug/l	0.200	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.400	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.400	--	1
Benzo(ghi)perylene	ND		ug/l	0.400	--	1

Project Name: TOWN OF FRANKLIN
Lab Number: L2330480
Project Number: 17356
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID:	L2330480-03	Date Collected:	05/30/23 12:25
Client ID:	MW-102S	Date Received:	06/01/23
Sample Location:	FRANKLIN, MA	Field Prep:	Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

EPH w/Targets via GCMS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	56		40-140
o-Terphenyl	52		40-140
2-Fluorobiphenyl	64		40-140
2-Bromonaphthalene	66		40-140
O-Terphenyl-MS	68		40-140

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID:	L2330480-04	Date Collected:	05/30/23 12:55
Client ID:	MW-105D	Date Received:	06/01/23
Sample Location:	FRANKLIN, MA	Field Prep:	Refer to COC
Sample Depth:			
Matrix:	Water		
Analytical Method:	131,VPH-18-2.1		
Analytical Date:	06/09/23 20:50		
Analyst:	BAD		

Trap:	EST, Carbopack B/Carboxen 1000&1001	Analytical Column:	Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	192		ug/l	100	--	1
C9-C12 Aliphatics	ND		ug/l	100	--	1
C9-C10 Aromatics	ND		ug/l	100	--	1
C5-C8 Aliphatics, Adjusted	192		ug/l	100	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/l	100	--	1
Benzene	ND		ug/l	2.00	--	1
Toluene	ND		ug/l	2.00	--	1
Ethylbenzene	ND		ug/l	2.00	--	1
p/m-Xylene	ND		ug/l	2.00	--	1
o-Xylene	ND		ug/l	2.00	--	1
Methyl tert butyl ether	ND		ug/l	3.00	--	1
Naphthalene	ND		ug/l	4.00	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	88		70-130
2,5-Dibromotoluene-FID	91		70-130

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID:	L2330480-04			Date Collected:	05/30/23 12:55
Client ID:	MW-105D			Date Received:	06/01/23
Sample Location:	FRANKLIN, MA			Field Prep:	Refer to COC
Sample Depth:					
Matrix:	Water			Extraction Method:	EPA 3510C
Analytical Method:	135,EPH-19-2.1			Extraction Date:	06/06/23 01:03
Analytical Date:	06/14/23 01:39	M.S. Analytical Date:	06/14/23 14:48	Cleanup Method1:	EPH-19-2.1
Analyst:	ALL	M.S. Analyst:	AH	Cleanup Date1:	06/13/23

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

EPH w/Targets via GCMS-SIM - Westborough Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
C9-C18 Aliphatics	ND		ug/l	100	--	1
C19-C36 Aliphatics	ND		ug/l	100	--	1
C11-C22 Aromatics	ND		ug/l	100	--	1
C11-C22 Aromatics, Adjusted	ND		ug/l	100	--	1
Naphthalene	ND		ug/l	0.400	--	1
2-Methylnaphthalene	ND		ug/l	0.400	--	1
Acenaphthylene	ND		ug/l	0.400	--	1
Acenaphthene	ND		ug/l	0.400	--	1
Fluorene	ND		ug/l	0.400	--	1
Phenanthrene	ND		ug/l	0.400	--	1
Anthracene	ND		ug/l	0.400	--	1
Fluoranthene	ND		ug/l	0.400	--	1
Pyrene	ND		ug/l	0.400	--	1
Benzo(a)anthracene	ND		ug/l	0.400	--	1
Chrysene	ND		ug/l	0.400	--	1
Benzo(b)fluoranthene	ND		ug/l	0.400	--	1
Benzo(k)fluoranthene	ND		ug/l	0.400	--	1
Benzo(a)pyrene	ND		ug/l	0.200	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.400	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.400	--	1
Benzo(ghi)perylene	ND		ug/l	0.400	--	1

Project Name: TOWN OF FRANKLIN
Lab Number: L2330480
Project Number: 17356
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-04
Client ID: MW-105D
Sample Location: FRANKLIN, MA
Date Collected: 05/30/23 12:55
Date Received: 06/01/23
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

EPH w/Targets via GCMS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	61		40-140
o-Terphenyl	60		40-140
2-Fluorobiphenyl	71		40-140
2-Bromonaphthalene	72		40-140
O-Terphenyl-MS	71		40-140

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-05
Client ID: MW-104S
Sample Location: FRANKLIN, MA
Date Collected: 05/30/23 14:45
Date Received: 06/01/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 131,VPH-18-2.1
Analytical Date: 06/09/23 21:23
Analyst: BAD

Trap: EST, Carbopack B/Carboxen 1000&1001
Analytical Column: Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received: Satisfactory
Aqueous Preservative: Laboratory Provided Preserved Container
Sample Temperature upon receipt: Received on Ice

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		ug/l	100	--	1
C9-C12 Aliphatics	ND		ug/l	100	--	1
C9-C10 Aromatics	ND		ug/l	100	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/l	100	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/l	100	--	1
Benzene	ND		ug/l	2.00	--	1
Toluene	ND		ug/l	2.00	--	1
Ethylbenzene	ND		ug/l	2.00	--	1
p/m-Xylene	ND		ug/l	2.00	--	1
o-Xylene	ND		ug/l	2.00	--	1
Methyl tert butyl ether	ND		ug/l	3.00	--	1
Naphthalene	ND		ug/l	4.00	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	92		70-130
2,5-Dibromotoluene-FID	97		70-130

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID:	L2330480-05			Date Collected:	05/30/23 14:45
Client ID:	MW-104S			Date Received:	06/01/23
Sample Location:	FRANKLIN, MA			Field Prep:	Refer to COC
Sample Depth:					
Matrix:	Water			Extraction Method:	EPA 3510C
Analytical Method:	135,EPH-19-2.1			Extraction Date:	06/06/23 01:03
Analytical Date:	06/14/23 02:04	M.S. Analytical Date:	06/14/23 15:05	Cleanup Method1:	EPH-19-2.1
Analyst:	ALL	M.S. Analyst:	AH	Cleanup Date1:	06/13/23

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
EPH w/Targets via GCMS-SIM - Westborough Lab						
C9-C18 Aliphatics	ND		ug/l	100	--	1
C19-C36 Aliphatics	ND		ug/l	100	--	1
C11-C22 Aromatics	ND		ug/l	100	--	1
C11-C22 Aromatics, Adjusted	ND		ug/l	100	--	1
Naphthalene	ND		ug/l	0.400	--	1
2-Methylnaphthalene	ND		ug/l	0.400	--	1
Acenaphthylene	ND		ug/l	0.400	--	1
Acenaphthene	ND		ug/l	0.400	--	1
Fluorene	ND		ug/l	0.400	--	1
Phenanthrene	ND		ug/l	0.400	--	1
Anthracene	ND		ug/l	0.400	--	1
Fluoranthene	ND		ug/l	0.400	--	1
Pyrene	ND		ug/l	0.400	--	1
Benzo(a)anthracene	ND		ug/l	0.400	--	1
Chrysene	ND		ug/l	0.400	--	1
Benzo(b)fluoranthene	ND		ug/l	0.400	--	1
Benzo(k)fluoranthene	ND		ug/l	0.400	--	1
Benzo(a)pyrene	ND		ug/l	0.200	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.400	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.400	--	1
Benzo(ghi)perylene	ND		ug/l	0.400	--	1

Project Name: TOWN OF FRANKLIN
Lab Number: L2330480
Project Number: 17356
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID:	L2330480-05	Date Collected:	05/30/23 14:45
Client ID:	MW-104S	Date Received:	06/01/23
Sample Location:	FRANKLIN, MA	Field Prep:	Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

EPH w/Targets via GCMS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	62		40-140
o-Terphenyl	51		40-140
2-Fluorobiphenyl	63		40-140
2-Bromonaphthalene	64		40-140
O-Terphenyl-MS	69		40-140

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID:	L2330480-06	Date Collected:	05/30/23 11:05
Client ID:	MW-3	Date Received:	06/01/23
Sample Location:	FRANKLIN, MA	Field Prep:	Refer to COC
Sample Depth:			
Matrix:	Water		
Analytical Method:	131,VPH-18-2.1		
Analytical Date:	06/09/23 21:55		
Analyst:	BAD		

Trap:	EST, Carbopack B/Carboxen 1000&1001	Analytical Column:	Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		ug/l	100	--	1
C9-C12 Aliphatics	ND		ug/l	100	--	1
C9-C10 Aromatics	ND		ug/l	100	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/l	100	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/l	100	--	1
Benzene	ND		ug/l	2.00	--	1
Toluene	ND		ug/l	2.00	--	1
Ethylbenzene	ND		ug/l	2.00	--	1
p/m-Xylene	ND		ug/l	2.00	--	1
o-Xylene	ND		ug/l	2.00	--	1
Methyl tert butyl ether	ND		ug/l	3.00	--	1
Naphthalene	ND		ug/l	4.00	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	91		70-130
2,5-Dibromotoluene-FID	95		70-130

Project Name: TOWN OF FRANKLIN
Lab Number: L2330480
Project Number: 17356
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID:	L2330480-06			Date Collected:	05/30/23 11:05
Client ID:	MW-3			Date Received:	06/01/23
Sample Location:	FRANKLIN, MA			Field Prep:	Refer to COC
Sample Depth:					
Matrix:	Water			Extraction Method:	EPA 3510C
Analytical Method:	135,EPH-19-2.1			Extraction Date:	06/06/23 01:03
Analytical Date:	06/14/23 02:30	M.S. Analytical Date:	06/14/23 15:22	Cleanup Method1:	EPH-19-2.1
Analyst:	ALL	M.S. Analyst:	AH	Cleanup Date1:	06/13/23

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

EPH w/Targets via GCMS-SIM - Westborough Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
C9-C18 Aliphatics	ND		ug/l	100	--	1
C19-C36 Aliphatics	ND		ug/l	100	--	1
C11-C22 Aromatics	ND		ug/l	100	--	1
C11-C22 Aromatics, Adjusted	ND		ug/l	100	--	1
Naphthalene	ND		ug/l	0.400	--	1
2-Methylnaphthalene	ND		ug/l	0.400	--	1
Acenaphthylene	ND		ug/l	0.400	--	1
Acenaphthene	ND		ug/l	0.400	--	1
Fluorene	ND		ug/l	0.400	--	1
Phenanthrene	ND		ug/l	0.400	--	1
Anthracene	ND		ug/l	0.400	--	1
Fluoranthene	0.788		ug/l	0.400	--	1
Pyrene	0.778		ug/l	0.400	--	1
Benzo(a)anthracene	0.614		ug/l	0.400	--	1
Chrysene	0.514		ug/l	0.400	--	1
Benzo(b)fluoranthene	0.698		ug/l	0.400	--	1
Benzo(k)fluoranthene	ND		ug/l	0.400	--	1
Benzo(a)pyrene	0.596		ug/l	0.200	--	1
Indeno(1,2,3-cd)Pyrene	0.444		ug/l	0.400	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.400	--	1
Benzo(ghi)perylene	ND		ug/l	0.400	--	1

Project Name: TOWN OF FRANKLIN
Lab Number: L2330480
Project Number: 17356
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID:	L2330480-06	Date Collected:	05/30/23 11:05
Client ID:	MW-3	Date Received:	06/01/23
Sample Location:	FRANKLIN, MA	Field Prep:	Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

EPH w/Targets via GCMS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	63		40-140
o-Terphenyl	57		40-140
2-Fluorobiphenyl	70		40-140
2-Bromonaphthalene	71		40-140
O-Terphenyl-MS	70		40-140

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-07
Client ID: MW-102D
Sample Location: FRANKLIN, MA

Date Collected: 05/31/23 11:10
Date Received: 06/01/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 131,VPH-18-2.1
Analytical Date: 06/12/23 07:17
Analyst: KJD

Trap: EST, Carbopack B/Carboxen 1000&1001

Analytical Column: Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received: Satisfactory
Aqueous Preservative: Laboratory Provided Preserved Container
Sample Temperature upon receipt: Received on Ice

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		ug/l	100	--	1
C9-C12 Aliphatics	ND		ug/l	100	--	1
C9-C10 Aromatics	ND		ug/l	100	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/l	100	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/l	100	--	1
Benzene	ND		ug/l	2.00	--	1
Toluene	ND		ug/l	2.00	--	1
Ethylbenzene	ND		ug/l	2.00	--	1
p/m-Xylene	ND		ug/l	2.00	--	1
o-Xylene	ND		ug/l	2.00	--	1
Methyl tert butyl ether	ND		ug/l	3.00	--	1
Naphthalene	ND		ug/l	4.00	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	88		70-130
2,5-Dibromotoluene-FID	90		70-130

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID:	L2330480-07			Date Collected:	05/31/23 11:10
Client ID:	MW-102D			Date Received:	06/01/23
Sample Location:	FRANKLIN, MA			Field Prep:	Refer to COC
Sample Depth:					
Matrix:	Water			Extraction Method:	EPA 3510C
Analytical Method:	135,EPH-19-2.1			Extraction Date:	06/12/23 15:55
Analytical Date:	06/13/23 23:09	M.S. Analytical Date:	06/14/23 15:38	Cleanup Method1:	EPH-19-2.1
Analyst:	ALL	M.S. Analyst:	AH	Cleanup Date1:	06/13/23

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

EPH w/Targets via GCMS-SIM - Westborough Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
C9-C18 Aliphatics	ND		ug/l	100	--	1
C19-C36 Aliphatics	ND		ug/l	100	--	1
C11-C22 Aromatics	ND		ug/l	100	--	1
C11-C22 Aromatics, Adjusted	ND		ug/l	100	--	1
Naphthalene	0.592		ug/l	0.400	--	1
2-Methylnaphthalene	ND		ug/l	0.400	--	1
Acenaphthylene	ND		ug/l	0.400	--	1
Acenaphthene	ND		ug/l	0.400	--	1
Fluorene	ND		ug/l	0.400	--	1
Phenanthrene	ND		ug/l	0.400	--	1
Anthracene	ND		ug/l	0.400	--	1
Fluoranthene	ND		ug/l	0.400	--	1
Pyrene	ND		ug/l	0.400	--	1
Benzo(a)anthracene	ND		ug/l	0.400	--	1
Chrysene	ND		ug/l	0.400	--	1
Benzo(b)fluoranthene	ND		ug/l	0.400	--	1
Benzo(k)fluoranthene	ND		ug/l	0.400	--	1
Benzo(a)pyrene	ND		ug/l	0.200	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.400	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.400	--	1
Benzo(ghi)perylene	ND		ug/l	0.400	--	1

Project Name: TOWN OF FRANKLIN
Lab Number: L2330480
Project Number: 17356
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID:	L2330480-07	Date Collected:	05/31/23 11:10
Client ID:	MW-102D	Date Received:	06/01/23
Sample Location:	FRANKLIN, MA	Field Prep:	Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

EPH w/Targets via GCMS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	68		40-140
o-Terphenyl	60		40-140
2-Fluorobiphenyl	79		40-140
2-Bromonaphthalene	81		40-140
O-Terphenyl-MS	71		40-140

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID:	L2330480-08	Date Collected:	05/31/23 12:50
Client ID:	MW-103D	Date Received:	06/01/23
Sample Location:	FRANKLIN, MA	Field Prep:	Refer to COC
Sample Depth:			
Matrix:	Water		
Analytical Method:	131,VPH-18-2.1		
Analytical Date:	06/12/23 06:14		
Analyst:	KJD		

Trap:	EST, Carbopack B/Carboxen 1000&1001	Analytical Column:	Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		ug/l	100	--	1
C9-C12 Aliphatics	ND		ug/l	100	--	1
C9-C10 Aromatics	ND		ug/l	100	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/l	100	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/l	100	--	1
Benzene	ND		ug/l	2.00	--	1
Toluene	ND		ug/l	2.00	--	1
Ethylbenzene	ND		ug/l	2.00	--	1
p/m-Xylene	ND		ug/l	2.00	--	1
o-Xylene	ND		ug/l	2.00	--	1
Methyl tert butyl ether	ND		ug/l	3.00	--	1
Naphthalene	ND		ug/l	4.00	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	81		70-130
2,5-Dibromotoluene-FID	84		70-130

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID:	L2330480-08			Date Collected:	05/31/23 12:50
Client ID:	MW-103D			Date Received:	06/01/23
Sample Location:	FRANKLIN, MA			Field Prep:	Refer to COC
Sample Depth:					
Matrix:	Water			Extraction Method:	EPA 3510C
Analytical Method:	135,EPH-19-2.1			Extraction Date:	06/12/23 15:55
Analytical Date:	06/13/23 21:54	M.S. Analytical Date:	06/14/23 15:55	Cleanup Method1:	EPH-19-2.1
Analyst:	ALL	M.S. Analyst:	AH	Cleanup Date1:	06/13/23

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

EPH w/Targets via GCMS-SIM - Westborough Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
C9-C18 Aliphatics	ND		ug/l	100	--	1
C19-C36 Aliphatics	ND		ug/l	100	--	1
C11-C22 Aromatics	ND		ug/l	100	--	1
C11-C22 Aromatics, Adjusted	ND		ug/l	100	--	1
Naphthalene	ND		ug/l	0.400	--	1
2-Methylnaphthalene	ND		ug/l	0.400	--	1
Acenaphthylene	ND		ug/l	0.400	--	1
Acenaphthene	ND		ug/l	0.400	--	1
Fluorene	ND		ug/l	0.400	--	1
Phenanthrene	ND		ug/l	0.400	--	1
Anthracene	ND		ug/l	0.400	--	1
Fluoranthene	ND		ug/l	0.400	--	1
Pyrene	ND		ug/l	0.400	--	1
Benzo(a)anthracene	ND		ug/l	0.400	--	1
Chrysene	ND		ug/l	0.400	--	1
Benzo(b)fluoranthene	ND		ug/l	0.400	--	1
Benzo(k)fluoranthene	ND		ug/l	0.400	--	1
Benzo(a)pyrene	ND		ug/l	0.200	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.400	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.400	--	1
Benzo(ghi)perylene	ND		ug/l	0.400	--	1

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID:	L2330480-08	Date Collected:	05/31/23 12:50
Client ID:	MW-103D	Date Received:	06/01/23
Sample Location:	FRANKLIN, MA	Field Prep:	Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

EPH w/Targets via GCMS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	69		40-140
o-Terphenyl	69		40-140
2-Fluorobiphenyl	87		40-140
2-Bromonaphthalene	87		40-140
O-Terphenyl-MS	75		40-140

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-09
Client ID: MW-105S
Sample Location: FRANKLIN, MA

Date Collected: 05/31/23 11:25
Date Received: 06/01/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 131,VPH-18-2.1
Analytical Date: 06/12/23 06:45
Analyst: KJD

Trap: EST, Carbopack B/Carboxen 1000&1001

Analytical Column: Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received: Satisfactory
Aqueous Preservative: Laboratory Provided Preserved Container
Sample Temperature upon receipt: Received on Ice

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		ug/l	100	--	1
C9-C12 Aliphatics	ND		ug/l	100	--	1
C9-C10 Aromatics	ND		ug/l	100	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/l	100	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/l	100	--	1
Benzene	ND		ug/l	2.00	--	1
Toluene	ND		ug/l	2.00	--	1
Ethylbenzene	ND		ug/l	2.00	--	1
p/m-Xylene	ND		ug/l	2.00	--	1
o-Xylene	ND		ug/l	2.00	--	1
Methyl tert butyl ether	ND		ug/l	3.00	--	1
Naphthalene	ND		ug/l	4.00	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	86		70-130
2,5-Dibromotoluene-FID	89		70-130

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID:	L2330480-09			Date Collected:	05/31/23 11:25
Client ID:	MW-105S			Date Received:	06/01/23
Sample Location:	FRANKLIN, MA			Field Prep:	Refer to COC
Sample Depth:					
Matrix:	Water			Extraction Method:	EPA 3510C
Analytical Method:	135,EPH-19-2.1			Extraction Date:	06/12/23 15:55
Analytical Date:	06/13/23 22:19	M.S. Analytical Date:	06/14/23 16:11	Cleanup Method1:	EPH-19-2.1
Analyst:	ALL	M.S. Analyst:	AH	Cleanup Date1:	06/13/23

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
EPH w/Targets via GCMS-SIM - Westborough Lab						
C9-C18 Aliphatics	ND		ug/l	100	--	1
C19-C36 Aliphatics	ND		ug/l	100	--	1
C11-C22 Aromatics	ND		ug/l	100	--	1
C11-C22 Aromatics, Adjusted	ND		ug/l	100	--	1
Naphthalene	ND		ug/l	0.400	--	1
2-Methylnaphthalene	ND		ug/l	0.400	--	1
Acenaphthylene	ND		ug/l	0.400	--	1
Acenaphthene	ND		ug/l	0.400	--	1
Fluorene	ND		ug/l	0.400	--	1
Phenanthrene	ND		ug/l	0.400	--	1
Anthracene	ND		ug/l	0.400	--	1
Fluoranthene	ND		ug/l	0.400	--	1
Pyrene	ND		ug/l	0.400	--	1
Benzo(a)anthracene	ND		ug/l	0.400	--	1
Chrysene	ND		ug/l	0.400	--	1
Benzo(b)fluoranthene	ND		ug/l	0.400	--	1
Benzo(k)fluoranthene	ND		ug/l	0.400	--	1
Benzo(a)pyrene	ND		ug/l	0.200	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.400	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.400	--	1
Benzo(ghi)perylene	ND		ug/l	0.400	--	1

Project Name: TOWN OF FRANKLIN
Lab Number: L2330480
Project Number: 17356
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID:	L2330480-09	Date Collected:	05/31/23 11:25
Client ID:	MW-105S	Date Received:	06/01/23
Sample Location:	FRANKLIN, MA	Field Prep:	Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

EPH w/Targets via GCMS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	77		40-140
o-Terphenyl	62		40-140
2-Fluorobiphenyl	78		40-140
2-Bromonaphthalene	80		40-140
O-Terphenyl-MS	59		40-140

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID:	L2330480-10	Date Collected:	05/31/23 12:45
Client ID:	MW-104D	Date Received:	06/01/23
Sample Location:	FRANKLIN, MA	Field Prep:	Refer to COC
Sample Depth:			
Matrix:	Water		
Analytical Method:	131,VPH-18-2.1		
Analytical Date:	06/12/23 07:48		
Analyst:	KJD		

Trap:	EST, Carbopack B/Carboxen 1000&1001	Analytical Column:	Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	225		ug/l	100	--	1
C9-C12 Aliphatics	ND		ug/l	100	--	1
C9-C10 Aromatics	ND		ug/l	100	--	1
C5-C8 Aliphatics, Adjusted	225		ug/l	100	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/l	100	--	1
Benzene	ND		ug/l	2.00	--	1
Toluene	ND		ug/l	2.00	--	1
Ethylbenzene	ND		ug/l	2.00	--	1
p/m-Xylene	ND		ug/l	2.00	--	1
o-Xylene	ND		ug/l	2.00	--	1
Methyl tert butyl ether	ND		ug/l	3.00	--	1
Naphthalene	ND		ug/l	4.00	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	87		70-130
2,5-Dibromotoluene-FID	89		70-130

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID:	L2330480-10			Date Collected:	05/31/23 12:45
Client ID:	MW-104D			Date Received:	06/01/23
Sample Location:	FRANKLIN, MA			Field Prep:	Refer to COC
Sample Depth:					
Matrix:	Water			Extraction Method:	EPA 3510C
Analytical Method:	135,EPH-19-2.1			Extraction Date:	06/12/23 15:55
Analytical Date:	06/13/23 22:45	M.S. Analytical Date:	06/14/23 16:28	Cleanup Method1:	EPH-19-2.1
Analyst:	ALL	M.S. Analyst:	AH	Cleanup Date1:	06/13/23

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
EPH w/Targets via GCMS-SIM - Westborough Lab						
C9-C18 Aliphatics	ND		ug/l	100	--	1
C19-C36 Aliphatics	ND		ug/l	100	--	1
C11-C22 Aromatics	ND		ug/l	100	--	1
C11-C22 Aromatics, Adjusted	ND		ug/l	100	--	1
Naphthalene	ND		ug/l	0.400	--	1
2-Methylnaphthalene	ND		ug/l	0.400	--	1
Acenaphthylene	ND		ug/l	0.400	--	1
Acenaphthene	ND		ug/l	0.400	--	1
Fluorene	ND		ug/l	0.400	--	1
Phenanthrene	ND		ug/l	0.400	--	1
Anthracene	ND		ug/l	0.400	--	1
Fluoranthene	ND		ug/l	0.400	--	1
Pyrene	ND		ug/l	0.400	--	1
Benzo(a)anthracene	ND		ug/l	0.400	--	1
Chrysene	ND		ug/l	0.400	--	1
Benzo(b)fluoranthene	ND		ug/l	0.400	--	1
Benzo(k)fluoranthene	ND		ug/l	0.400	--	1
Benzo(a)pyrene	ND		ug/l	0.200	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.400	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.400	--	1
Benzo(ghi)perylene	ND		ug/l	0.400	--	1

Project Name: TOWN OF FRANKLIN **Lab Number:** L2330480

Project Number: 17356 **Report Date:** 06/21/23

SAMPLE RESULTS

Lab ID:	L2330480-10	Date Collected:	05/31/23 12:45
Client ID:	MW-104D	Date Received:	06/01/23
Sample Location:	FRANKLIN, MA	Field Prep:	Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

EPH w/Targets via GCMS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	75		40-140
o-Terphenyl	68		40-140
2-Fluorobiphenyl	86		40-140
2-Bromonaphthalene	87		40-140
O-Terphenyl-MS	73		40-140

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 135,EPH-19-2.1
Analytical Date: 06/07/23 16:03
Analyst: ALL
M.S. Analytical Date: 06/07/23 16:28
M.S. Analyst: RP
Extraction Method: EPA 3510C
Extraction Date: 06/06/23 01:03
Cleanup Method: EPH-19-2.1
Cleanup Date: 06/07/23

Parameter	Result	Qualifier	Units	RL	MDL
EPH w/Targets via GCMS-SIM - Westborough Lab for sample(s): 01-06 Batch: WG1787501-1					
C9-C18 Aliphatics	ND		ug/l	100	--
C19-C36 Aliphatics	ND		ug/l	100	--
C11-C22 Aromatics	ND		ug/l	100	--
C11-C22 Aromatics, Adjusted	ND		ug/l	100	--
Naphthalene	ND		ug/l	0.400	--
2-Methylnaphthalene	ND		ug/l	0.400	--
Acenaphthylene	ND		ug/l	0.400	--
Acenaphthene	ND		ug/l	0.400	--
Fluorene	ND		ug/l	0.400	--
Phenanthrene	ND		ug/l	0.400	--
Anthracene	ND		ug/l	0.400	--
Fluoranthene	ND		ug/l	0.400	--
Pyrene	ND		ug/l	0.400	--
Benzo(a)anthracene	ND		ug/l	0.400	--
Chrysene	ND		ug/l	0.400	--
Benzo(b)fluoranthene	ND		ug/l	0.400	--
Benzo(k)fluoranthene	ND		ug/l	0.400	--
Benzo(a)pyrene	ND		ug/l	0.200	--
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.400	--
Dibenzo(a,h)anthracene	ND		ug/l	0.400	--
Benzo(ghi)perylene	ND		ug/l	0.400	--

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 135,EPH-19-2.1
Analytical Date: 06/07/23 16:03
Analyst: ALL
M.S. Analytical Date: 06/07/23 16:28
M.S. Analyst: RP
Extraction Method: EPA 3510C
Extraction Date: 06/06/23 01:03
Cleanup Method: EPH-19-2.1
Cleanup Date: 06/07/23

Parameter	Result	Qualifier	Units	RL	MDL
EPH w/Targets via GCMS-SIM - Westborough Lab for sample(s): 01-06 Batch: WG1787501-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	43		40-140
o-Terphenyl	43		40-140
2-Fluorobiphenyl	50		40-140
2-Bromonaphthalene	51		40-140
O-Terphenyl-MS	45		40-140

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 131,VPH-18-2.1
Analytical Date: 06/09/23 16:33
Analyst: BAD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Petroleum Hydrocarbons - Westborough Lab for sample(s): 01-06 Batch: WG1789663-4					
C5-C8 Aliphatics	ND		ug/l	100	--
C9-C12 Aliphatics	ND		ug/l	100	--
C9-C10 Aromatics	ND		ug/l	100	--
C5-C8 Aliphatics, Adjusted	ND		ug/l	100	--
C9-C12 Aliphatics, Adjusted	ND		ug/l	100	--
Benzene	ND		ug/l	2.00	--
Toluene	ND		ug/l	2.00	--
Ethylbenzene	ND		ug/l	2.00	--
p/m-Xylene	ND		ug/l	2.00	--
o-Xylene	ND		ug/l	2.00	--
Methyl tert butyl ether	ND		ug/l	3.00	--
Naphthalene	ND		ug/l	4.00	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	91		70-130
2,5-Dibromotoluene-FID	94		70-130

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 135,EPH-19-2.1
Analytical Date: 06/13/23 08:38
Analyst: CRE
M.S. Analytical Date: 06/13/23 09:13
M.S. Analyst: AH
Extraction Method: EPA 3510C
Extraction Date: 06/12/23 15:55
Cleanup Method: EPH-19-2.1
Cleanup Date: 06/13/23

Parameter	Result	Qualifier	Units	RL	MDL
EPH w/Targets via GCMS-SIM - Westborough Lab for sample(s): 07-10 Batch: WG1790275-1					
C9-C18 Aliphatics	ND		ug/l	100	--
C19-C36 Aliphatics	ND		ug/l	100	--
C11-C22 Aromatics	ND		ug/l	100	--
C11-C22 Aromatics, Adjusted	ND		ug/l	100	--
Naphthalene	ND		ug/l	0.400	--
2-Methylnaphthalene	ND		ug/l	0.400	--
Acenaphthylene	ND		ug/l	0.400	--
Acenaphthene	ND		ug/l	0.400	--
Fluorene	ND		ug/l	0.400	--
Phenanthrene	ND		ug/l	0.400	--
Anthracene	ND		ug/l	0.400	--
Fluoranthene	ND		ug/l	0.400	--
Pyrene	ND		ug/l	0.400	--
Benzo(a)anthracene	ND		ug/l	0.400	--
Chrysene	ND		ug/l	0.400	--
Benzo(b)fluoranthene	ND		ug/l	0.400	--
Benzo(k)fluoranthene	ND		ug/l	0.400	--
Benzo(a)pyrene	ND		ug/l	0.200	--
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.400	--
Dibenzo(a,h)anthracene	ND		ug/l	0.400	--
Benzo(ghi)perylene	ND		ug/l	0.400	--

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 135,EPH-19-2.1
Analytical Date: 06/13/23 08:38
Analyst: CRE
M.S. Analytical Date: 06/13/23 09:13
M.S. Analyst: AH
Extraction Method: EPA 3510C
Extraction Date: 06/12/23 15:55
Cleanup Method: EPH-19-2.1
Cleanup Date: 06/13/23

Parameter	Result	Qualifier	Units	RL	MDL
EPH w/Targets via GCMS-SIM - Westborough Lab for sample(s): 07-10 Batch: WG1790275-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	60		40-140
o-Terphenyl	68		40-140
2-Fluorobiphenyl	71		40-140
2-Bromonaphthalene	72		40-140
O-Terphenyl-MS	85		40-140

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 131,VPH-18-2.1
Analytical Date: 06/11/23 18:42
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Petroleum Hydrocarbons - Westborough Lab for sample(s): 07-10 Batch: WG1790596-4					
C5-C8 Aliphatics	ND		ug/l	100	--
C9-C12 Aliphatics	ND		ug/l	100	--
C9-C10 Aromatics	ND		ug/l	100	--
C5-C8 Aliphatics, Adjusted	ND		ug/l	100	--
C9-C12 Aliphatics, Adjusted	ND		ug/l	100	--
Benzene	ND		ug/l	2.00	--
Toluene	ND		ug/l	2.00	--
Ethylbenzene	ND		ug/l	2.00	--
p/m-Xylene	ND		ug/l	2.00	--
o-Xylene	ND		ug/l	2.00	--
Methyl tert butyl ether	ND		ug/l	3.00	--
Naphthalene	ND		ug/l	4.00	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	85		70-130
2,5-Dibromotoluene-FID	88		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: TOWN OF FRANKLIN
Project Number: 17356

Lab Number: L2330480
Report Date: 06/21/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
EPH w/Targets via GCMS-SIM - Westborough Lab Associated sample(s): 01-06 Batch: WG1787501-2 WG1787501-3								
C9-C18 Aliphatics	65		72		40-140	10		25
C19-C36 Aliphatics	79		75		40-140	5		25
C11-C22 Aromatics	74		73		40-140	1		25
Naphthalene	70		74		40-140	6		25
2-Methylnaphthalene	76		84		40-140	10		25
Acenaphthylene	82		93		40-140	13		25
Acenaphthene	78		90		40-140	14		25
Fluorene	85		98		40-140	14		25
Phenanthrene	80		94		40-140	16		25
Anthracene	89		102		40-140	14		25
Fluoranthene	90		105		40-140	15		25
Pyrene	92		107		40-140	15		25
Benzo(a)anthracene	91		105		40-140	14		25
Chrysene	92		106		40-140	14		25
Benzo(b)fluoranthene	85		98		40-140	14		25
Benzo(k)fluoranthene	83		97		40-140	16		25
Benzo(a)pyrene	99		116		40-140	16		25
Indeno(1,2,3-cd)Pyrene	106		124		40-140	16		25
Dibenzo(a,h)anthracene	91		113		40-140	22		25
Benzo(ghi)perylene	80		93		40-140	15		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: TOWN OF FRANKLIN
Project Number: 17356

Lab Number: L2330480
Report Date: 06/21/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
EPH w/Targets via GCMS-SIM - Westborough Lab Associated sample(s): 01-06 Batch: WG1787501-2 WG1787501-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	57		65		40-140
o-Terphenyl	70		70		40-140
2-Fluorobiphenyl	73		77		40-140
2-Bromonaphthalene	74		78		40-140
O-Terphenyl-MS	82		96		40-140
% Naphthalene Breakthrough	0		0		
% 2-Methylnaphthalene Breakthrough	0		0		

Lab Control Sample Analysis
Batch Quality Control

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-06 Batch: WG1789663-2 WG1789663-3								
C5-C8 Aliphatics	99		107		70-130	8		25
C9-C12 Aliphatics	102		109		70-130	7		25
C9-C10 Aromatics	94		101		70-130	7		25
Benzene	101		108		70-130	7		25
Toluene	101		108		70-130	7		25
Ethylbenzene	102		109		70-130	7		25
p/m-Xylene	101		108		70-130	7		25
o-Xylene	101		108		70-130	7		25
Methyl tert butyl ether	101		110		70-130	9		25
Naphthalene	94		101		70-130	8		25
1,2,4-Trimethylbenzene	94		101		70-130	7		25
Pentane	85		90		70-130	6		25
2-Methylpentane	89		95		70-130	7		25
2,2,4-Trimethylpentane	99		107		70-130	8		25
n-Nonane	102		109		30-130	7		25
n-Decane	102		108		70-130	6		25
n-Butylcyclohexane	103		110		70-130	7		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,5-Dibromotoluene-PID	95		97		70-130
2,5-Dibromotoluene-FID	98		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: TOWN OF FRANKLIN
Project Number: 17356

Lab Number: L2330480
Report Date: 06/21/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
EPH w/Targets via GCMS-SIM - Westborough Lab Associated sample(s): 07-10 Batch: WG1790275-2 WG1790275-3								
C9-C18 Aliphatics	53		48		40-140	10		25
C19-C36 Aliphatics	92		80		40-140	14		25
C11-C22 Aromatics	80		86		40-140	7		25
Naphthalene	80		91		40-140	13		25
2-Methylnaphthalene	92		106		40-140	14		25
Acenaphthylene	92		105		40-140	13		25
Acenaphthene	83		95		40-140	13		25
Fluorene	90		103		40-140	13		25
Phenanthrene	86		99		40-140	14		25
Anthracene	90		105		40-140	15		25
Fluoranthene	95		109		40-140	14		25
Pyrene	95		109		40-140	14		25
Benzo(a)anthracene	93		109		40-140	16		25
Chrysene	85		99		40-140	15		25
Benzo(b)fluoranthene	91		104		40-140	13		25
Benzo(k)fluoranthene	78		92		40-140	16		25
Benzo(a)pyrene	99		115		40-140	15		25
Indeno(1,2,3-cd)Pyrene	112		128		40-140	13		25
Dibenzo(a,h)anthracene	97		110		40-140	13		25
Benzo(ghi)perylene	86		98		40-140	13		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: TOWN OF FRANKLIN
Project Number: 17356

Lab Number: L2330480
Report Date: 06/21/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
EPH w/Targets via GCMS-SIM - Westborough Lab Associated sample(s): 07-10 Batch: WG1790275-2 WG1790275-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	66		62		40-140
o-Terphenyl	74		79		40-140
2-Fluorobiphenyl	77		84		40-140
2-Bromonaphthalene	77		85		40-140
O-Terphenyl-MS	87		100		40-140
% Naphthalene Breakthrough	0		0		
% 2-Methylnaphthalene Breakthrough	0		0		

Lab Control Sample Analysis

Batch Quality Control

Project Name: TOWN OF FRANKLIN

Project Number: 17356

Lab Number: L2330480

Report Date: 06/21/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 07-10 Batch: WG1790596-2 WG1790596-3								
C5-C8 Aliphatics	107		106		70-130	1		25
C9-C12 Aliphatics	109		107		70-130	2		25
C9-C10 Aromatics	97		98		70-130	0		25
Benzene	106		106		70-130	0		25
Toluene	108		108		70-130	0		25
Ethylbenzene	108		107		70-130	1		25
p/m-Xylene	107		106		70-130	1		25
o-Xylene	106		106		70-130	0		25
Methyl tert butyl ether	98		102		70-130	4		25
Naphthalene	92		94		70-130	3		25
1,2,4-Trimethylbenzene	97		97		70-130	0		25
Pentane	91		89		70-130	2		25
2-Methylpentane	96		94		70-130	1		25
2,2,4-Trimethylpentane	107		106		70-130	1		25
n-Nonane	109		108		30-130	1		25
n-Decane	107		106		70-130	1		25
n-Butylcyclohexane	109		108		70-130	1		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,5-Dibromotoluene-PID	89		91		70-130
2,5-Dibromotoluene-FID	90		92		70-130

METALS

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-01
Client ID: MW-103S
Sample Location: FRANKLIN, MA
Sample Depth:
Matrix: Water

Date Collected: 05/30/23 14:10
Date Received: 06/01/23
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Mansfield Lab											
Antimony, Dissolved	ND		mg/l	0.0040	--	1	06/11/23 10:45	06/15/23 22:05	EPA 3005A	97,6020B	WKP
Arsenic, Dissolved	ND		mg/l	0.0050	--	1	06/11/23 10:45	06/20/23 23:41	EPA 3005A	97,6010D	MRC
Barium, Dissolved	0.118		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:41	EPA 3005A	97,6010D	MRC
Beryllium, Dissolved	0.0005		mg/l	0.0005	--	1	06/11/23 10:45	06/15/23 22:05	EPA 3005A	97,6020B	WKP
Cadmium, Dissolved	ND		mg/l	0.0040	--	1	06/11/23 10:45	06/20/23 23:41	EPA 3005A	97,6010D	MRC
Chromium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:41	EPA 3005A	97,6010D	MRC
Lead, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:41	EPA 3005A	97,6010D	MRC
Nickel, Dissolved	ND		mg/l	0.0250	--	1	06/11/23 10:45	06/20/23 23:41	EPA 3005A	97,6010D	MRC
Selenium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:41	EPA 3005A	97,6010D	MRC
Silver, Dissolved	ND		mg/l	0.0070	--	1	06/11/23 10:45	06/20/23 23:41	EPA 3005A	97,6010D	MRC
Thallium, Dissolved	ND		mg/l	0.0010	--	1	06/11/23 10:45	06/15/23 22:05	EPA 3005A	97,6020B	WKP
Vanadium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:41	EPA 3005A	97,6010D	MRC
Zinc, Dissolved	ND		mg/l	0.0500	--	1	06/11/23 10:45	06/20/23 23:41	EPA 3005A	97,6010D	MRC

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-02
Client ID: MW-14
Sample Location: FRANKLIN, MA
Sample Depth:
Matrix: Water

Date Collected: 05/30/23 10:55
Date Received: 06/01/23
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Mansfield Lab											
Antimony, Dissolved	ND		mg/l	0.0040	--	1	06/11/23 10:45	06/15/23 22:09	EPA 3005A	97,6020B	WKP
Arsenic, Dissolved	ND		mg/l	0.0050	--	1	06/11/23 10:45	06/20/23 23:44	EPA 3005A	97,6010D	MRC
Barium, Dissolved	0.156		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:44	EPA 3005A	97,6010D	MRC
Beryllium, Dissolved	0.0005		mg/l	0.0005	--	1	06/11/23 10:45	06/15/23 22:09	EPA 3005A	97,6020B	WKP
Cadmium, Dissolved	ND		mg/l	0.0040	--	1	06/11/23 10:45	06/20/23 23:44	EPA 3005A	97,6010D	MRC
Chromium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:44	EPA 3005A	97,6010D	MRC
Lead, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:44	EPA 3005A	97,6010D	MRC
Nickel, Dissolved	ND		mg/l	0.0250	--	1	06/11/23 10:45	06/20/23 23:44	EPA 3005A	97,6010D	MRC
Selenium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:44	EPA 3005A	97,6010D	MRC
Silver, Dissolved	ND		mg/l	0.0070	--	1	06/11/23 10:45	06/20/23 23:44	EPA 3005A	97,6010D	MRC
Thallium, Dissolved	ND		mg/l	0.0010	--	1	06/11/23 10:45	06/15/23 22:09	EPA 3005A	97,6020B	WKP
Vanadium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:44	EPA 3005A	97,6010D	MRC
Zinc, Dissolved	ND		mg/l	0.0500	--	1	06/11/23 10:45	06/20/23 23:44	EPA 3005A	97,6010D	MRC

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-03
Client ID: MW-102S
Sample Location: FRANKLIN, MA
Sample Depth:
Matrix: Water

Date Collected: 05/30/23 12:25
Date Received: 06/01/23
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Mansfield Lab											
Antimony, Dissolved	ND		mg/l	0.0040	--	1	06/11/23 10:45	06/15/23 22:14	EPA 3005A	97,6020B	WKP
Arsenic, Dissolved	ND		mg/l	0.0050	--	1	06/11/23 10:45	06/20/23 23:46	EPA 3005A	97,6010D	MRC
Barium, Dissolved	0.0924		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:46	EPA 3005A	97,6010D	MRC
Beryllium, Dissolved	0.0007		mg/l	0.0005	--	1	06/11/23 10:45	06/15/23 22:14	EPA 3005A	97,6020B	WKP
Cadmium, Dissolved	ND		mg/l	0.0040	--	1	06/11/23 10:45	06/20/23 23:46	EPA 3005A	97,6010D	MRC
Chromium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:46	EPA 3005A	97,6010D	MRC
Lead, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:46	EPA 3005A	97,6010D	MRC
Nickel, Dissolved	ND		mg/l	0.0250	--	1	06/11/23 10:45	06/20/23 23:46	EPA 3005A	97,6010D	MRC
Selenium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:46	EPA 3005A	97,6010D	MRC
Silver, Dissolved	ND		mg/l	0.0070	--	1	06/11/23 10:45	06/20/23 23:46	EPA 3005A	97,6010D	MRC
Thallium, Dissolved	ND		mg/l	0.0010	--	1	06/11/23 10:45	06/15/23 22:14	EPA 3005A	97,6020B	WKP
Vanadium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:46	EPA 3005A	97,6010D	MRC
Zinc, Dissolved	ND		mg/l	0.0500	--	1	06/11/23 10:45	06/20/23 23:46	EPA 3005A	97,6010D	MRC

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-04
Client ID: MW-105D
Sample Location: FRANKLIN, MA
Sample Depth:
Matrix: Water

Date Collected: 05/30/23 12:55
Date Received: 06/01/23
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Mansfield Lab											
Antimony, Dissolved	ND		mg/l	0.0040	--	1	06/11/23 10:45	06/15/23 22:19	EPA 3005A	97,6020B	WKP
Arsenic, Dissolved	ND		mg/l	0.0050	--	1	06/11/23 10:45	06/20/23 23:49	EPA 3005A	97,6010D	MRC
Barium, Dissolved	0.0264		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:49	EPA 3005A	97,6010D	MRC
Beryllium, Dissolved	0.0032		mg/l	0.0005	--	1	06/11/23 10:45	06/15/23 22:19	EPA 3005A	97,6020B	WKP
Cadmium, Dissolved	ND		mg/l	0.0040	--	1	06/11/23 10:45	06/20/23 23:49	EPA 3005A	97,6010D	MRC
Chromium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:49	EPA 3005A	97,6010D	MRC
Lead, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:49	EPA 3005A	97,6010D	MRC
Nickel, Dissolved	ND		mg/l	0.0250	--	1	06/11/23 10:45	06/20/23 23:49	EPA 3005A	97,6010D	MRC
Selenium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:49	EPA 3005A	97,6010D	MRC
Silver, Dissolved	ND		mg/l	0.0070	--	1	06/11/23 10:45	06/20/23 23:49	EPA 3005A	97,6010D	MRC
Thallium, Dissolved	ND		mg/l	0.0010	--	1	06/11/23 10:45	06/15/23 22:19	EPA 3005A	97,6020B	WKP
Vanadium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:49	EPA 3005A	97,6010D	MRC
Zinc, Dissolved	ND		mg/l	0.0500	--	1	06/11/23 10:45	06/20/23 23:49	EPA 3005A	97,6010D	MRC

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-05
Client ID: MW-104S
Sample Location: FRANKLIN, MA
Sample Depth:
Matrix: Water

Date Collected: 05/30/23 14:45
Date Received: 06/01/23
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Mansfield Lab											
Antimony, Dissolved	ND		mg/l	0.0040	--	1	06/11/23 10:45	06/15/23 22:23	EPA 3005A	97,6020B	WKP
Arsenic, Dissolved	ND		mg/l	0.0050	--	1	06/11/23 10:45	06/20/23 23:52	EPA 3005A	97,6010D	MRC
Barium, Dissolved	0.0480		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:52	EPA 3005A	97,6010D	MRC
Beryllium, Dissolved	ND		mg/l	0.0005	--	1	06/11/23 10:45	06/15/23 22:23	EPA 3005A	97,6020B	WKP
Cadmium, Dissolved	ND		mg/l	0.0040	--	1	06/11/23 10:45	06/20/23 23:52	EPA 3005A	97,6010D	MRC
Chromium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:52	EPA 3005A	97,6010D	MRC
Lead, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:52	EPA 3005A	97,6010D	MRC
Nickel, Dissolved	0.109		mg/l	0.0250	--	1	06/11/23 10:45	06/20/23 23:52	EPA 3005A	97,6010D	MRC
Selenium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:52	EPA 3005A	97,6010D	MRC
Silver, Dissolved	ND		mg/l	0.0070	--	1	06/11/23 10:45	06/20/23 23:52	EPA 3005A	97,6010D	MRC
Thallium, Dissolved	ND		mg/l	0.0010	--	1	06/11/23 10:45	06/15/23 22:23	EPA 3005A	97,6020B	WKP
Vanadium, Dissolved	0.0381		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:52	EPA 3005A	97,6010D	MRC
Zinc, Dissolved	ND		mg/l	0.0500	--	1	06/11/23 10:45	06/20/23 23:52	EPA 3005A	97,6010D	MRC

Project Name: TOWN OF FRANKLIN
Lab Number: L2330480
Project Number: 17356
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-06
Client ID: MW-3
Sample Location: FRANKLIN, MA
Date Collected: 05/30/23 11:05
Date Received: 06/01/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Mansfield Lab											
Antimony, Dissolved	ND		mg/l	0.0040	--	1	06/11/23 10:45	06/15/23 22:28	EPA 3005A	97,6020B	WKP
Arsenic, Dissolved	ND		mg/l	0.0050	--	1	06/11/23 10:45	06/20/23 23:55	EPA 3005A	97,6010D	MRC
Barium, Dissolved	0.136		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:55	EPA 3005A	97,6010D	MRC
Beryllium, Dissolved	ND		mg/l	0.0005	--	1	06/11/23 10:45	06/15/23 22:28	EPA 3005A	97,6020B	WKP
Cadmium, Dissolved	ND		mg/l	0.0040	--	1	06/11/23 10:45	06/20/23 23:55	EPA 3005A	97,6010D	MRC
Chromium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:55	EPA 3005A	97,6010D	MRC
Lead, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:55	EPA 3005A	97,6010D	MRC
Nickel, Dissolved	ND		mg/l	0.0250	--	1	06/11/23 10:45	06/20/23 23:55	EPA 3005A	97,6010D	MRC
Selenium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:55	EPA 3005A	97,6010D	MRC
Silver, Dissolved	ND		mg/l	0.0070	--	1	06/11/23 10:45	06/20/23 23:55	EPA 3005A	97,6010D	MRC
Thallium, Dissolved	ND		mg/l	0.0010	--	1	06/11/23 10:45	06/15/23 22:28	EPA 3005A	97,6020B	WKP
Vanadium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:55	EPA 3005A	97,6010D	MRC
Zinc, Dissolved	ND		mg/l	0.0500	--	1	06/11/23 10:45	06/20/23 23:55	EPA 3005A	97,6010D	MRC

Project Name: TOWN OF FRANKLIN
Lab Number: L2330480
Project Number: 17356
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-07
Client ID: MW-102D
Sample Location: FRANKLIN, MA
Date Collected: 05/31/23 11:10
Date Received: 06/01/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Mansfield Lab											
Antimony, Dissolved	ND		mg/l	0.0040	--	1	06/11/23 10:45	06/15/23 22:33	EPA 3005A	97,6020B	WKP
Arsenic, Dissolved	ND		mg/l	0.0050	--	1	06/11/23 10:45	06/20/23 23:57	EPA 3005A	97,6010D	MRC
Barium, Dissolved	0.0128		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:57	EPA 3005A	97,6010D	MRC
Beryllium, Dissolved	0.0080		mg/l	0.0005	--	1	06/11/23 10:45	06/15/23 22:33	EPA 3005A	97,6020B	WKP
Cadmium, Dissolved	ND		mg/l	0.0040	--	1	06/11/23 10:45	06/20/23 23:57	EPA 3005A	97,6010D	MRC
Chromium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:57	EPA 3005A	97,6010D	MRC
Lead, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:57	EPA 3005A	97,6010D	MRC
Nickel, Dissolved	ND		mg/l	0.0250	--	1	06/11/23 10:45	06/20/23 23:57	EPA 3005A	97,6010D	MRC
Selenium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:57	EPA 3005A	97,6010D	MRC
Silver, Dissolved	ND		mg/l	0.0070	--	1	06/11/23 10:45	06/20/23 23:57	EPA 3005A	97,6010D	MRC
Thallium, Dissolved	ND		mg/l	0.0010	--	1	06/11/23 10:45	06/15/23 22:33	EPA 3005A	97,6020B	WKP
Vanadium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 23:57	EPA 3005A	97,6010D	MRC
Zinc, Dissolved	0.0734		mg/l	0.0500	--	1	06/11/23 10:45	06/20/23 23:57	EPA 3005A	97,6010D	MRC

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-08
Client ID: MW-103D
Sample Location: FRANKLIN, MA
Sample Depth:
Matrix: Water

Date Collected: 05/31/23 12:50
Date Received: 06/01/23
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Mansfield Lab											
Antimony, Dissolved	ND		mg/l	0.0040	--	1	06/11/23 10:45	06/15/23 22:37	EPA 3005A	97,6020B	WKP
Arsenic, Dissolved	ND		mg/l	0.0050	--	1	06/11/23 10:45	06/21/23 00:00	EPA 3005A	97,6010D	MRC
Barium, Dissolved	0.0220		mg/l	0.0100	--	1	06/11/23 10:45	06/21/23 00:00	EPA 3005A	97,6010D	MRC
Beryllium, Dissolved	ND		mg/l	0.0005	--	1	06/11/23 10:45	06/15/23 22:37	EPA 3005A	97,6020B	WKP
Cadmium, Dissolved	ND		mg/l	0.0040	--	1	06/11/23 10:45	06/21/23 00:00	EPA 3005A	97,6010D	MRC
Chromium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/21/23 00:00	EPA 3005A	97,6010D	MRC
Lead, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/21/23 00:00	EPA 3005A	97,6010D	MRC
Nickel, Dissolved	ND		mg/l	0.0250	--	1	06/11/23 10:45	06/21/23 00:00	EPA 3005A	97,6010D	MRC
Selenium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/21/23 00:00	EPA 3005A	97,6010D	MRC
Silver, Dissolved	ND		mg/l	0.0070	--	1	06/11/23 10:45	06/21/23 00:00	EPA 3005A	97,6010D	MRC
Thallium, Dissolved	ND		mg/l	0.0010	--	1	06/11/23 10:45	06/15/23 22:37	EPA 3005A	97,6020B	WKP
Vanadium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/21/23 00:00	EPA 3005A	97,6010D	MRC
Zinc, Dissolved	ND		mg/l	0.0500	--	1	06/11/23 10:45	06/21/23 00:00	EPA 3005A	97,6010D	MRC

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-09
Client ID: MW-105S
Sample Location: FRANKLIN, MA
Sample Depth:
Matrix: Water

Date Collected: 05/31/23 11:25
Date Received: 06/01/23
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Mansfield Lab											
Antimony, Dissolved	ND		mg/l	0.0040	--	1	06/11/23 10:45	06/15/23 22:42	EPA 3005A	97,6020B	WKP
Arsenic, Dissolved	ND		mg/l	0.0050	--	1	06/11/23 10:45	06/21/23 00:03	EPA 3005A	97,6010D	MRC
Barium, Dissolved	0.117		mg/l	0.0100	--	1	06/11/23 10:45	06/21/23 00:03	EPA 3005A	97,6010D	MRC
Beryllium, Dissolved	0.0017		mg/l	0.0005	--	1	06/11/23 10:45	06/15/23 22:42	EPA 3005A	97,6020B	WKP
Cadmium, Dissolved	ND		mg/l	0.0040	--	1	06/11/23 10:45	06/21/23 00:03	EPA 3005A	97,6010D	MRC
Chromium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/21/23 00:03	EPA 3005A	97,6010D	MRC
Lead, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/21/23 00:03	EPA 3005A	97,6010D	MRC
Nickel, Dissolved	ND		mg/l	0.0250	--	1	06/11/23 10:45	06/21/23 00:03	EPA 3005A	97,6010D	MRC
Selenium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/21/23 00:03	EPA 3005A	97,6010D	MRC
Silver, Dissolved	ND		mg/l	0.0070	--	1	06/11/23 10:45	06/21/23 00:03	EPA 3005A	97,6010D	MRC
Thallium, Dissolved	ND		mg/l	0.0010	--	1	06/11/23 10:45	06/15/23 22:42	EPA 3005A	97,6020B	WKP
Vanadium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/21/23 00:03	EPA 3005A	97,6010D	MRC
Zinc, Dissolved	ND		mg/l	0.0500	--	1	06/11/23 10:45	06/21/23 00:03	EPA 3005A	97,6010D	MRC

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

SAMPLE RESULTS

Lab ID: L2330480-10
Client ID: MW-104D
Sample Location: FRANKLIN, MA
Sample Depth:
Matrix: Water

Date Collected: 05/31/23 12:45
Date Received: 06/01/23
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Mansfield Lab											
Antimony, Dissolved	ND		mg/l	0.0040	--	1	06/11/23 10:45	06/15/23 22:56	EPA 3005A	97,6020B	WKP
Arsenic, Dissolved	ND		mg/l	0.0050	--	1	06/11/23 10:45	06/21/23 00:06	EPA 3005A	97,6010D	MRC
Barium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/21/23 00:06	EPA 3005A	97,6010D	MRC
Beryllium, Dissolved	0.0096		mg/l	0.0005	--	1	06/11/23 10:45	06/15/23 22:56	EPA 3005A	97,6020B	WKP
Cadmium, Dissolved	ND		mg/l	0.0040	--	1	06/11/23 10:45	06/21/23 00:06	EPA 3005A	97,6010D	MRC
Chromium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/21/23 00:06	EPA 3005A	97,6010D	MRC
Lead, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/21/23 00:06	EPA 3005A	97,6010D	MRC
Nickel, Dissolved	ND		mg/l	0.0250	--	1	06/11/23 10:45	06/21/23 00:06	EPA 3005A	97,6010D	MRC
Selenium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/21/23 00:06	EPA 3005A	97,6010D	MRC
Silver, Dissolved	ND		mg/l	0.0070	--	1	06/11/23 10:45	06/21/23 00:06	EPA 3005A	97,6010D	MRC
Thallium, Dissolved	ND		mg/l	0.0010	--	1	06/11/23 10:45	06/15/23 22:56	EPA 3005A	97,6020B	WKP
Vanadium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/21/23 00:06	EPA 3005A	97,6010D	MRC
Zinc, Dissolved	ND		mg/l	0.0500	--	1	06/11/23 10:45	06/21/23 00:06	EPA 3005A	97,6010D	MRC

Project Name: TOWN OF FRANKLIN
Project Number: 17356
Lab Number: L2330480
Report Date: 06/21/23

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Dissolved Metals - Mansfield Lab for sample(s): 01-10 Batch: WG1789447-1										
Arsenic, Dissolved	ND		mg/l	0.0050	--	1	06/11/23 10:45	06/20/23 22:46	97,6010D	MRC
Barium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 22:46	97,6010D	MRC
Cadmium, Dissolved	ND		mg/l	0.0040	--	1	06/11/23 10:45	06/20/23 22:46	97,6010D	MRC
Chromium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 22:46	97,6010D	MRC
Lead, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 22:46	97,6010D	MRC
Nickel, Dissolved	ND		mg/l	0.0250	--	1	06/11/23 10:45	06/20/23 22:46	97,6010D	MRC
Selenium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 22:46	97,6010D	MRC
Silver, Dissolved	ND		mg/l	0.0070	--	1	06/11/23 10:45	06/20/23 22:46	97,6010D	MRC
Vanadium, Dissolved	ND		mg/l	0.0100	--	1	06/11/23 10:45	06/20/23 22:46	97,6010D	MRC
Zinc, Dissolved	ND		mg/l	0.0500	--	1	06/11/23 10:45	06/20/23 22:46	97,6010D	MRC

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Dissolved Metals - Mansfield Lab for sample(s): 01-10 Batch: WG1789448-1										
Antimony, Dissolved	ND		mg/l	0.0040	--	1	06/11/23 10:45	06/15/23 22:00	97,6020B	WKP
Beryllium, Dissolved	ND		mg/l	0.0005	--	1	06/11/23 10:45	06/15/23 22:00	97,6020B	WKP
Thallium, Dissolved	ND		mg/l	0.0010	--	1	06/11/23 10:45	06/15/23 22:00	97,6020B	WKP

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: TOWN OF FRANKLIN

Project Number: 17356

Lab Number: L2330480

Report Date: 06/21/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Dissolved Metals - Mansfield Lab Associated sample(s): 01-10 Batch: WG1789447-2 WG1789447-3								
Arsenic, Dissolved	104		102		80-120	2		20
Barium, Dissolved	104		104		80-120	0		20
Cadmium, Dissolved	102		103		80-120	1		20
Chromium, Dissolved	103		104		80-120	1		20
Lead, Dissolved	103		103		80-120	0		20
Nickel, Dissolved	99		101		80-120	2		20
Selenium, Dissolved	102		101		80-120	1		20
Silver, Dissolved	101		104		80-120	3		20
Vanadium, Dissolved	103		105		80-120	2		20
Zinc, Dissolved	98		100		80-120	2		20
MCP Dissolved Metals - Mansfield Lab Associated sample(s): 01-10 Batch: WG1789448-2 WG1789448-3								
Antimony, Dissolved	95		93		80-120	2		20
Beryllium, Dissolved	105		107		80-120	2		20
Thallium, Dissolved	105		102		80-120	3		20

Project Name: TOWN OF FRANKLIN
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Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2330480-01A	Vial HCl preserved	B	NA		4.8	Y	Absent		MCP-8260-21(14)
L2330480-01B	Vial HCl preserved	B	NA		4.8	Y	Absent		MCP-8260-21(14)
L2330480-01C	Vial HCl preserved	B	NA		4.8	Y	Absent		MCP-8260-21(14)
L2330480-01D	Vial HCl preserved	B	NA		4.8	Y	Absent		VPH-DELUX-18(14)
L2330480-01E	Vial HCl preserved	B	NA		4.8	Y	Absent		VPH-DELUX-18(14)
L2330480-01F	Vial HCl preserved	B	NA		4.8	Y	Absent		VPH-DELUX-18(14)
L2330480-01G	Plastic 250ml HNO3 preserved	B	<2	<2	4.8	Y	Absent		MCP-CD-6010S-10(180),MCP-AG-6010S-10(180),MCP-ZN-6010S-10(180),MCP-AS-6010S-10(180),MCP-CR-6010S-10(180),MCP-BA-6010S-10(180),MCP-PB-6010S-10(180),MCP-V-6010S-10(180),MCP-NI-6010S-10(180),MCP-SE-6010S-10(180)
L2330480-01H	Amber 1000ml HCl preserved	B	<2	<2	4.8	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2330480-01I	Amber 1000ml HCl preserved	B	<2	<2	4.8	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2330480-02A	Vial HCl preserved	A	NA		4.4	Y	Absent		MCP-8260-21(14)
L2330480-02B	Vial HCl preserved	A	NA		4.4	Y	Absent		MCP-8260-21(14)
L2330480-02C	Vial HCl preserved	A	NA		4.4	Y	Absent		MCP-8260-21(14)
L2330480-02D	Vial HCl preserved	A	NA		4.4	Y	Absent		VPH-DELUX-18(14)
L2330480-02E	Vial HCl preserved	A	NA		4.4	Y	Absent		VPH-DELUX-18(14)
L2330480-02F	Vial HCl preserved	A	NA		4.4	Y	Absent		VPH-DELUX-18(14)
L2330480-02G	Plastic 250ml HNO3 preserved	A	<2	<2	4.4	Y	Absent		MCP-CD-6010S-10(180),MCP-AG-6010S-10(180),MCP-ZN-6010S-10(180),MCP-CR-6010S-10(180),MCP-AS-6010S-10(180),MCP-BA-6010S-10(180),MCP-PB-6010S-10(180),MCP-SE-6010S-10(180),MCP-V-6010S-10(180),MCP-NI-6010S-10(180)
L2330480-02H	Amber 1000ml HCl preserved	A	<2	<2	4.4	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)

*Values in parentheses indicate holding time in days

Project Name: TOWN OF FRANKLIN
Project Number: 17356

Lab Number: L2330480
Report Date: 06/21/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2330480-02I	Amber 1000ml HCl preserved	A	<2	<2	4.4	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2330480-03A	Vial HCl preserved	B	NA		4.8	Y	Absent		MCP-8260-21(14)
L2330480-03B	Vial HCl preserved	B	NA		4.8	Y	Absent		MCP-8260-21(14)
L2330480-03C	Vial HCl preserved	B	NA		4.8	Y	Absent		MCP-8260-21(14)
L2330480-03D	Vial HCl preserved	B	NA		4.8	Y	Absent		VPH-DELUX-18(14)
L2330480-03E	Vial HCl preserved	B	NA		4.8	Y	Absent		VPH-DELUX-18(14)
L2330480-03F	Vial HCl preserved	B	NA		4.8	Y	Absent		VPH-DELUX-18(14)
L2330480-03G	Plastic 250ml HNO3 preserved	B	<2	<2	4.8	Y	Absent		MCP-CD-6010S-10(180),MCP-AG-6010S-10(180),MCP-ZN-6010S-10(180),MCP-AS-6010S-10(180),MCP-CR-6010S-10(180),MCP-BA-6010S-10(180),MCP-PB-6010S-10(180),MCP-NI-6010S-10(180),MCP-V-6010S-10(180),MCP-SE-6010S-10(180)
L2330480-03H	Amber 1000ml HCl preserved	B	<2	<2	4.8	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2330480-03I	Amber 1000ml HCl preserved	B	<2	<2	4.8	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2330480-04A	Vial HCl preserved	B	NA		4.8	Y	Absent		MCP-8260-21(14)
L2330480-04B	Vial HCl preserved	B	NA		4.8	Y	Absent		MCP-8260-21(14)
L2330480-04C	Vial HCl preserved	B	NA		4.8	Y	Absent		MCP-8260-21(14)
L2330480-04D	Vial HCl preserved	B	NA		4.8	Y	Absent		VPH-DELUX-18(14)
L2330480-04E	Vial HCl preserved	B	NA		4.8	Y	Absent		VPH-DELUX-18(14)
L2330480-04F	Vial HCl preserved	B	NA		4.8	Y	Absent		VPH-DELUX-18(14)
L2330480-04G	Plastic 250ml HNO3 preserved	B	<2	<2	4.8	Y	Absent		MCP-CD-6010S-10(180),MCP-AG-6010S-10(180),MCP-ZN-6010S-10(180),MCP-AS-6010S-10(180),MCP-CR-6010S-10(180),MCP-BA-6010S-10(180),MCP-PB-6010S-10(180),MCP-NI-6010S-10(180),MCP-V-6010S-10(180),MCP-SE-6010S-10(180)
L2330480-04H	Amber 1000ml HCl preserved	B	<2	<2	4.8	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2330480-04I	Amber 1000ml HCl preserved	B	<2	<2	4.8	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2330480-05A	Vial HCl preserved	B	NA		4.8	Y	Absent		MCP-8260-21(14)
L2330480-05B	Vial HCl preserved	B	NA		4.8	Y	Absent		MCP-8260-21(14)
L2330480-05C	Vial HCl preserved	B	NA		4.8	Y	Absent		MCP-8260-21(14)
L2330480-05D	Vial HCl preserved	B	NA		4.8	Y	Absent		VPH-DELUX-18(14)

*Values in parentheses indicate holding time in days

Project Name: TOWN OF FRANKLIN
Project Number: 17356

Lab Number: L2330480
Report Date: 06/21/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2330480-05E	Vial HCl preserved	B	NA		4.8	Y	Absent		VPH-DELUX-18(14)
L2330480-05F	Vial HCl preserved	B	NA		4.8	Y	Absent		VPH-DELUX-18(14)
L2330480-05G	Plastic 250ml HNO3 preserved	B	<2	<2	4.8	Y	Absent		MCP-CD-6010S-10(180),MCP-AG-6010S-10(180),MCP-ZN-6010S-10(180),MCP-AS-6010S-10(180),MCP-CR-6010S-10(180),MCP-BA-6010S-10(180),MCP-PB-6010S-10(180),MCP-NI-6010S-10(180),MCP-SE-6010S-10(180),MCP-V-6010S-10(180)
L2330480-05H	Amber 1000ml HCl preserved	B	<2	<2	4.8	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2330480-05I	Amber 1000ml HCl preserved	B	<2	<2	4.8	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2330480-06A	Vial HCl preserved	B	NA		4.8	Y	Absent		MCP-8260-21(14)
L2330480-06B	Vial HCl preserved	B	NA		4.8	Y	Absent		MCP-8260-21(14)
L2330480-06C	Vial HCl preserved	B	NA		4.8	Y	Absent		MCP-8260-21(14)
L2330480-06D	Vial HCl preserved	B	NA		4.8	Y	Absent		VPH-DELUX-18(14)
L2330480-06E	Vial HCl preserved	B	NA		4.8	Y	Absent		VPH-DELUX-18(14)
L2330480-06F	Vial HCl preserved	B	NA		4.8	Y	Absent		VPH-DELUX-18(14)
L2330480-06G	Plastic 250ml HNO3 preserved	B	<2	<2	4.8	Y	Absent		MCP-CD-6010S-10(180),MCP-AG-6010S-10(180),MCP-ZN-6010S-10(180),MCP-AS-6010S-10(180),MCP-CR-6010S-10(180),MCP-BA-6010S-10(180),MCP-PB-6010S-10(180),MCP-NI-6010S-10(180),MCP-V-6010S-10(180),MCP-SE-6010S-10(180)
L2330480-06H	Amber 1000ml HCl preserved	B	<2	<2	4.8	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2330480-06I	Amber 1000ml HCl preserved	NA	NA			Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2330480-07A	Vial HCl preserved	A	NA		4.4	Y	Absent		MCP-8260-21(14)
L2330480-07B	Vial HCl preserved	A	NA		4.4	Y	Absent		MCP-8260-21(14)
L2330480-07C	Vial HCl preserved	A	NA		4.4	Y	Absent		MCP-8260-21(14)
L2330480-07D	Vial HCl preserved	A	NA		4.4	Y	Absent		VPH-DELUX-18(14)
L2330480-07E	Vial HCl preserved	A	NA		4.4	Y	Absent		VPH-DELUX-18(14)
L2330480-07F	Vial HCl preserved	A	NA		4.4	Y	Absent		VPH-DELUX-18(14)
L2330480-07G	Plastic 250ml HNO3 preserved	A	<2	<2	4.4	Y	Absent		MCP-CD-6010S-10(180),MCP-AG-6010S-10(180),MCP-ZN-6010S-10(180),MCP-AS-6010S-10(180),MCP-CR-6010S-10(180),MCP-BA-6010S-10(180),MCP-PB-6010S-10(180),MCP-SE-6010S-10(180),MCP-V-6010S-10(180),MCP-NI-6010S-10(180)

*Values in parentheses indicate holding time in days

Project Name: TOWN OF FRANKLIN
Project Number: 17356

Lab Number: L2330480
Report Date: 06/21/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2330480-07H	Amber 1000ml HCl preserved	A	<2	<2	4.4	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2330480-07I	Amber 1000ml HCl preserved	A	<2	<2	4.4	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2330480-08A	Vial HCl preserved	A	NA		4.4	Y	Absent		MCP-8260-21(14)
L2330480-08B	Vial HCl preserved	A	NA		4.4	Y	Absent		MCP-8260-21(14)
L2330480-08C	Vial HCl preserved	A	NA		4.4	Y	Absent		MCP-8260-21(14)
L2330480-08D	Vial HCl preserved	A	NA		4.4	Y	Absent		VPH-DELUX-18(14)
L2330480-08E	Vial HCl preserved	A	NA		4.4	Y	Absent		VPH-DELUX-18(14)
L2330480-08F	Vial HCl preserved	A	NA		4.4	Y	Absent		VPH-DELUX-18(14)
L2330480-08G	Plastic 250ml HNO3 preserved	A	<2	<2	4.4	Y	Absent		MCP-CD-6010S-10(180),MCP-AG-6010S-10(180),MCP-ZN-6010S-10(180),MCP-CR-6010S-10(180),MCP-AS-6010S-10(180),MCP-BA-6010S-10(180),MCP-PB-6010S-10(180),MCP-SE-6010S-10(180),MCP-V-6010S-10(180),MCP-NI-6010S-10(180)
L2330480-08H	Amber 1000ml HCl preserved	A	<2	<2	4.4	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2330480-08I	Amber 1000ml HCl preserved	A	<2	<2	4.4	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2330480-09A	Vial HCl preserved	A	NA		4.4	Y	Absent		MCP-8260-21(14)
L2330480-09B	Vial HCl preserved	A	NA		4.4	Y	Absent		MCP-8260-21(14)
L2330480-09C	Vial HCl preserved	A	NA		4.4	Y	Absent		MCP-8260-21(14)
L2330480-09D	Vial HCl preserved	A	NA		4.4	Y	Absent		VPH-DELUX-18(14)
L2330480-09E	Vial HCl preserved	A	NA		4.4	Y	Absent		VPH-DELUX-18(14)
L2330480-09F	Vial HCl preserved	A	NA		4.4	Y	Absent		VPH-DELUX-18(14)
L2330480-09G	Plastic 250ml HNO3 preserved	A	<2	<2	4.4	Y	Absent		MCP-CD-6010S-10(180),MCP-AG-6010S-10(180),MCP-ZN-6010S-10(180),MCP-CR-6010S-10(180),MCP-AS-6010S-10(180),MCP-BA-6010S-10(180),MCP-PB-6010S-10(180),MCP-NI-6010S-10(180),MCP-SE-6010S-10(180),MCP-V-6010S-10(180)
L2330480-09H	Amber 1000ml HCl preserved	A	<2	<2	4.4	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2330480-09I	Amber 1000ml HCl preserved	A	<2	<2	4.4	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2330480-10A	Vial HCl preserved	A	NA		4.4	Y	Absent		MCP-8260-21(14)
L2330480-10B	Vial HCl preserved	A	NA		4.4	Y	Absent		MCP-8260-21(14)
L2330480-10C	Vial HCl preserved	A	NA		4.4	Y	Absent		MCP-8260-21(14)

*Values in parentheses indicate holding time in days

Project Name: TOWN OF FRANKLIN
Project Number: 17356

Lab Number: L2330480
Report Date: 06/21/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2330480-10D	Vial HCl preserved	A	NA		4.4	Y	Absent		VPH-DELUX-18(14)
L2330480-10E	Vial HCl preserved	A	NA		4.4	Y	Absent		VPH-DELUX-18(14)
L2330480-10F	Vial HCl preserved	A	NA		4.4	Y	Absent		VPH-DELUX-18(14)
L2330480-10G	Plastic 250ml HNO3 preserved	A	<2	<2	4.4	Y	Absent		MCP-CD-6010S-10(180),MCP-AG-6010S-10(180),MCP-ZN-6010S-10(180),MCP-AS-6010S-10(180),MCP-CR-6010S-10(180),MCP-BA-6010S-10(180),MCP-PB-6010S-10(180),MCP-V-6010S-10(180),MCP-SE-6010S-10(180),MCP-NI-6010S-10(180)
L2330480-10H	Amber 1000ml HCl preserved	A	<2	<2	4.4	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2330480-10I	Amber 1000ml HCl preserved	A	<2	<2	4.4	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)

*Values in parentheses indicate holding time in days

Project Name:	TOWN OF FRANKLIN	**Lab Number:**	L2330480
Project Number:	17356	**Report Date:**	06/21/23

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	TOWN OF FRANKLIN	**Lab Number:**	L2330480
Project Number:	17356	**Report Date:**	06/21/23

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report

Project Name:	TOWN OF FRANKLIN	**Lab Number:**	L2330480
Project Number:	17356	**Report Date:**	06/21/23

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

Project Name:	TOWN OF FRANKLIN	**Lab Number:**	L2330480
Project Number:	17356	**Report Date:**	06/21/23

REFERENCES

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

131 Method for the Determination of Volatile Petroleum Hydrocarbons (VPH), MassDEP, February 2018, Revision 2.1 with QC Requirements & Performance Standards for the Analysis of VPH under the Massachusetts Contingency Plan, WSC-CAM-IVA, June 1, 2018.

135 Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), MassDEP, December 2019, Revision 2.1 with QC Requirements & Performance Standards for the Analysis of EPH under the Massachusetts Contingency Plan, WSC-CAM-IVB, March 1, 2020.

141 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA and IIB, November 2021.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 6/1/23

ALPHA Job #: L2330480

ALPHA ANALYTICAL
8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Client Information

Client: Verdantas
Address: 30 Shrewsbury St, Holden, MA
Phone: 978-679-1600
Email: dtcurran@verdantas.com

Additional Project Information:
* metals field filtered

Project Information

Project Name: Town of Franklin
Project Location: Franklin, MA
Project #: 17356
Project Manager: Dan Curran
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due:

Report Information - Data Deliverables

☒ ADEx ☒ EMAIL

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☒ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☒ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC: ☒ 8260 ☐ 624 ☐ 524.2	SVOC: ☐ ABN ☐ PAH	METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15	METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13	EPH: ☒ Ranges & Targets ☐ Ranges Only	VPH: ☒ Ranges & Targets ☐ Ranges Only	☐ PCB ☐ PEST	TPH: ☐ Quant Only ☐ Fingerprint	Dissolved MCP 13 metals*	Sample Comments	TOTAL # BOTTLES
0480-01	MW-103S	5/30/23	14:10	GW	ARP	X				X	X			X		9
02	MW-14		10:55		ARP											
03	MW-102S		12:25		ARP											
04	MW-105D		12:55		JWW											
05	MW-104S		14:45		JWW											
06	MW-3		11:05		JWW											8
07	MW-102D	5/31/23	11:10		ARP											9
08	MW-103D		12:50		ARP											
09	MW-105S		11:25		JWW											
10	MW-104D		12:45		JWW											
	Container Type					V				A	V			P		
	Preservative					B				B	B			C		

SAMPLE INFO
Filtration ☐ Field ☐ Lab to do
Preservative ☐ Lab to do

Container Type: Plastic, Amber glass, Vial, Glass, Bacteria cup, Cube, Other, Encore, BOD Bottle

Preservative: A= None, B= HCl, C= HNO_3, D= H_2SO_4, E= NaOH, F= MeOH, G= $NaHSO_4$, H = $Na_2S_2O_3$, I= Ascorbic Acid, J= NH_4Cl, K= Zn Acetate

Relinquished By:	Date/Time	Received By:	Date/Time
Alan Perry	5/31/23 15:30	DAVIS AA	6/1/23 11:30
DAVIS AA	6/1/23 15:10		6/1/23 15:10

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

Method Blank Summary
Form 4
Volatiles

Client	: Verdantas, LLC	**Lab Number**	: L2330480
Project Name	: TOWN OF FRANKLIN	**Project Number**	: 17356
Lab Sample ID	: WG1789130-5	**Lab File ID**	: J230608N05
Instrument ID	: JACK1		
Matrix	: WATER	**Analysis Date**	: 06/08/23 16:23

Client Sample No.	Lab Sample ID	Analysis Date
WG1789130-3LCS	WG1789130-3	06/08/23 14:34
WG1789130-4LCSD	WG1789130-4	06/08/23 15:01
MW-103S	L2330480-01	06/08/23 18:13
MW-14	L2330480-02	06/08/23 18:40
MW-102S	L2330480-03	06/08/23 19:07
MW-104S	L2330480-05	06/08/23 19:35
MW-3	L2330480-06	06/08/23 20:02
MW-103D	L2330480-08	06/08/23 20:29
MW-105S	L2330480-09	06/08/23 20:57
MW-104D	L2330480-10D	06/08/23 21:24
MW-105D	L2330480-04D	06/08/23 22:19

Method Blank Summary
Form 4
Volatiles

Client	: Verdantas, LLC	**Lab Number**	: L2330480
Project Name	: TOWN OF FRANKLIN	**Project Number**	: 17356
Lab Sample ID	: WG1789250-5	**Lab File ID**	: J230609A08
Instrument ID	: JACK2		
Matrix	: WATER	**Analysis Date**	: 06/09/23 06:01

Client Sample No.	Lab Sample ID	Analysis Date
WG1789250-3LCS	WG1789250-3	06/09/23 03:55
WG1789250-4LCSD	WG1789250-4	06/09/23 04:37
MW-102D	L2330480-07D	06/09/23 07:24

Calibration Verification Summary
Form 7
Volatiles

Client	: Verdantas, LLC		**Lab Number**	: L2330480	
Project Name	: TOWN OF FRANKLIN		**Project Number**	: 17356	
Instrument ID	: JACK1		**Calibration Date**	: 06/08/23 14:34	
Lab File ID	: J230608N01		**Init. Calib. Date(s)**	: 06/03/23	06/03/23
Sample No	: WG1789130-2		**Init. Calib. Times**	: 17:41	23:58
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	112	0
Dichlorodifluoromethane	0.367	0.333	-	9.3	20	90	0
Chloromethane	0.43	0.365	-	15.1	20	87	0
Vinyl chloride	0.376	0.352	-	6.4	20	92	0
Bromomethane	0.226	0.242	-	-7.1	20	118	0
Chloroethane	0.23	0.215	-	6.5	20	95	0
Trichlorofluoromethane	0.57	0.563	-	1.2	20	98	0
Ethyl ether	0.144	0.14	-	2.8	20	109	0
1,1-Dichloroethene	0.339	0.311	-	8.3	20	93	0
Carbon disulfide	0.967	0.91	-	5.9	20	95	0
Freon-113	0.356	0.35	-	1.7	20	101	0
Acrolein	0.043	0.04	-	7	20	102	0
Methylene chloride	0.363	0.339	-	6.6	20	101	0
Acetone	0.085	0.09	-	-5.9	20	119	0
trans-1,2-Dichloroethene	0.367	0.341	-	7.1	20	98	0
Methyl acetate	0.199	0.195	-	2	20	110	0
Methyl tert-butyl ether	0.743	0.732	-	1.5	20	112	0
tert-Butyl alcohol	0.023	0.021	-	8.7	20	104	0
Diisopropyl ether	1.134	1.106	-	2.5	20	108	0
1,1-Dichloroethane	0.663	0.623	-	6	20	97	0
Halothane	0.293	0.271	-	7.5	20	97	0
Acrylonitrile	0.09	0.089	-	1.1	20	107	0
Ethyl tert-butyl ether	0.95	0.911	-	4.1	20	110	0
Vinyl acetate	0.75	0.714	-	4.8	20	110	0
cis-1,2-Dichloroethene	0.397	0.367	-	7.6	20	96	0
2,2-Dichloropropane	0.554	0.541	-	2.3	20	104	0
Bromochloromethane	0.189	0.179	-	5.3	20	102	0
Cyclohexane	0.62	0.588	-	5.2	20	99	0
Chloroform	0.647	0.606	-	6.3	20	101	0
Ethyl acetate	0.289	0.278	-	3.8	20	116	0
Carbon tetrachloride	10	9.284	-	7.2	20	99	0
Tetrahydrofuran	0.096	0.103	-	-7.3	20	126	0
Dibromofluoromethane	0.312	0.307	-	1.6	20	107	0
1,1,1-Trichloroethane	0.563	0.523	-	7.1	20	97	0
2-Butanone	0.119	0.116	-	2.5	20	116	0
1,1-Dichloropropene	0.451	0.441	-	2.2	20	106	0
Benzene	1.369	1.315	-	3.9	20	106	0
tert-Amyl methyl ether	0.839	0.798	-	4.9	20	107	0
1,2-Dichloroethane-d4	0.342	0.337	-	1.5	20	111	0
1,2-Dichloroethane	0.434	0.416	-	4.1	20	103	0
Methyl cyclohexane	0.605	0.588	-	2.8	20	105	0
Trichloroethene	0.37	0.351	-	5.1	20	105	0
Dibromomethane	0.208	0.192	-	7.7	20	101	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Verdantas, LLC		**Lab Number**	: L2330480	
Project Name	: TOWN OF FRANKLIN		**Project Number**	: 17356	
Instrument ID	: JACK1		**Calibration Date**	: 06/08/23 14:34	
Lab File ID	: J230608N01		**Init. Calib. Date(s)**	: 06/03/23	06/03/23
Sample No	: WG1789130-2		**Init. Calib. Times**	: 17:41	23:58
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.352	0.347	-	1.4	20	105	0
2-Chloroethyl vinyl ether	0.168	0.165	-	1.8	20	105	0
Bromodichloromethane	0.512	0.485	-	5.3	20	103	0
1,4-Dioxane	0.00204	0.00165*	-	19.1	20	84	0
cis-1,3-Dichloropropene	0.53	0.513	-	3.2	20	106	0
Chlorobenzene-d5	1	1	-	0	20	108	0
Toluene-d8	1.175	1.187	-	-1	20	108	0
Toluene	0.918	0.845	-	8	20	97	0
4-Methyl-2-pentanone	0.106	0.102	-	3.8	20	102	0
Tetrachloroethene	0.449	0.451	-	-0.4	20	104	0
trans-1,3-Dichloropropene	0.514	0.512	-	0.4	20	108	0
Ethyl methacrylate	0.401	0.372	-	7.2	20	94	0
1,1,2-Trichloroethane	0.236	0.224	-	5.1	20	108	0
Chlorodibromomethane	0.373	0.345	-	7.5	20	104	0
1,3-Dichloropropane	0.46	0.458	-	0.4	20	110	0
1,2-Dibromoethane	0.3	0.296	-	1.3	20	111	0
2-Hexanone	0.229	0.218	-	4.8	20	102	0
Chlorobenzene	1.078	1.002	-	7.1	20	99	0
Ethylbenzene	1.846	1.703	-	7.7	20	95	0
1,1,1,2-Tetrachloroethane	0.368	0.352	-	4.3	20	106	0
p/m Xylene	0.785	0.715	-	8.9	20	96	0
o Xylene	0.764	0.713	-	6.7	20	98	0
Styrene	1.238	1.152	-	6.9	20	97	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	107	0
Bromoform	0.414	0.375	-	9.4	20	100	0
Isopropylbenzene	3.217	2.965	-	7.8	20	95	0
4-Bromofluorobenzene	0.801	0.795	-	0.7	20	104	0
Bromobenzene	0.8	0.751	-	6.1	20	99	0
n-Propylbenzene	3.737	3.547	-	5.1	20	96	0
1,4-Dichlorobutane	0.786	0.763	-	2.9	20	101	0
1,1,2,2-Tetrachloroethane	0.584	0.567	-	2.9	20	99	0
4-Ethyltoluene	3.154	2.962	-	6.1	20	96	0
2-Chlorotoluene	2.503	2.329	-	7	20	96	0
1,3,5-Trimethylbenzene	2.676	2.544	-	4.9	20	97	0
1,2,3-Trichloropropane	0.474	0.456	-	3.8	20	103	0
trans-1,4-Dichloro-2-buten	0.188	0.17	-	9.6	20	96	0
4-Chlorotoluene	2.283	2.145	-	6	20	98	0
tert-Butylbenzene	2.375	2.232	-	6	20	96	0
1,2,4-Trimethylbenzene	2.632	2.526	-	4	20	99	0
sec-Butylbenzene	3.451	3.307	-	4.2	20	96	0
p-Isopropyltoluene	3.043	2.955	-	2.9	20	98	0
1,3-Dichlorobenzene	1.569	1.49	-	5	20	99	0
1,4-Dichlorobenzene	1.539	1.436	-	6.7	20	96	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Verdantas, LLC		**Lab Number**	: L2330480	
Project Name	: TOWN OF FRANKLIN		**Project Number**	: 17356	
Instrument ID	: JACK1		**Calibration Date**	: 06/08/23 14:34	
Lab File ID	: J230608N01		**Init. Calib. Date(s)**	: 06/03/23	06/03/23
Sample No	: WG1789130-2		**Init. Calib. Times**	: 17:41	23:58
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.824	1.774	-	2.7	20	97	0
n-Butylbenzene	2.544	2.552	-	-0.3	20	99	0
1,2-Dichlorobenzene	1.451	1.388	-	4.3	20	98	0
1,2,4,5-Tetramethylbenzene	2.576	2.531	-	1.7	20	101	0
1,2-Dibromo-3-chloropropan	0.117	0.113	-	3.4	20	104	0
1,3,5-Trichlorobenzene	1.088	1.121	-	-3	20	105	0
Hexachlorobutadiene	0.484	0.496	-	-2.5	20	105	0
1,2,4-Trichlorobenzene	0.93	0.951	-	-2.3	20	105	0
Naphthalene	2.159	2.169	-	-0.5	20	102	0
1,2,3-Trichlorobenzene	0.832	0.839	-	-0.8	20	102	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Verdantas, LLC		**Lab Number**	: L2330480	
Project Name	: TOWN OF FRANKLIN		**Project Number**	: 17356	
Instrument ID	: JACK2		**Calibration Date**	: 06/09/23 03:55	
Lab File ID	: J230609A02		**Init. Calib. Date(s)**	: 06/03/23	06/04/23
Sample No	: WG1789250-2		**Init. Calib. Times**	: 18:02	00:19
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	105	0
Dichlorodifluoromethane	0.331	0.308	-	6.9	20	92	0
Chloromethane	0.388	0.385	-	0.8	20	99	0
Vinyl chloride	0.338	0.336	-	0.6	20	94	0
Bromomethane	0.221	0.201	-	9	20	100	0
Chloroethane	0.22	0.217	-	1.4	20	98	0
Trichlorofluoromethane	0.53	0.515	-	2.8	20	97	0
Ethyl ether	0.136	0.13	-	4.4	20	94	0
1,1-Dichloroethene	0.31	0.309	-	0.3	20	101	0
Carbon disulfide	0.902	0.882	-	2.2	20	96	0
Freon-113	0.327	0.319	-	2.4	20	95	0
Acrolein	0.04	0.038	-	5	20	96	0
Methylene chloride	0.332	0.338	-	-1.8	20	105	0
Acetone	10	10.586	-	-5.9	20	103	0
trans-1,2-Dichloroethene	0.338	0.334	-	1.2	20	101	0
Methyl acetate	0.2	0.189	-	5.5	20	99	0
Methyl tert-butyl ether	0.769	0.714	-	7.2	20	99	0
tert-Butyl alcohol	0.027	0.028	-	-3.7	20	103	0
Diisopropyl ether	1.107	1.053	-	4.9	20	98	0
1,1-Dichloroethane	0.623	0.608	-	2.4	20	97	0
Halothane	0.273	0.263	-	3.7	20	98	0
Acrylonitrile	0.089	0.08	-	10.1	20	94	0
Ethyl tert-butyl ether	0.95	0.867	-	8.7	20	97	0
Vinyl acetate	0.756	0.711	-	6	20	101	0
cis-1,2-Dichloroethene	0.374	0.376	-	-0.5	20	103	0
2,2-Dichloropropane	0.516	0.529	-	-2.5	20	104	0
Bromochloromethane	0.172	0.181	-	-5.2	20	106	0
Cyclohexane	0.572	0.545	-	4.7	20	94	0
Chloroform	0.616	0.603	-	2.1	20	101	0
Ethyl acetate	0.302	0.281	-	7	20	100	0
Carbon tetrachloride	0.488	0.482	-	1.2	20	97	0
Tetrahydrofuran	0.102	0.097	-	4.9	20	101	0
Dibromofluoromethane	0.301	0.307	-	-2	20	107	0
1,1,1-Trichloroethane	0.541	0.515	-	4.8	20	96	0
2-Butanone	0.129	0.124	-	3.9	20	104	0
1,1-Dichloropropene	0.443	0.423	-	4.5	20	99	0
Benzene	1.336	1.272	-	4.8	20	99	0
tert-Amyl methyl ether	0.84	0.787	-	6.3	20	97	0
1,2-Dichloroethane-d4	0.337	0.321	-	4.7	20	100	0
1,2-Dichloroethane	0.42	0.41	-	2.4	20	102	0
Methyl cyclohexane	0.567	0.535	-	5.6	20	98	0
Trichloroethene	0.352	0.342	-	2.8	20	96	0
Dibromomethane	0.199	0.194	-	2.5	20	103	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Verdantas, LLC		**Lab Number**	: L2330480	
Project Name	: TOWN OF FRANKLIN		**Project Number**	: 17356	
Instrument ID	: JACK2		**Calibration Date**	: 06/09/23 03:55	
Lab File ID	: J230609A02		**Init. Calib. Date(s)**	: 06/03/23	06/04/23
Sample No	: WG1789250-2		**Init. Calib. Times**	: 18:02	00:19
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.345	0.336	-	2.6	20	98	0
2-Chloroethyl vinyl ether	0.177	0.175	-	1.1	20	96	0
Bromodichloromethane	0.475	0.467	-	1.7	20	100	0
1,4-Dioxane	0.00217	0.00301*	-	-38.7*	20	131	0
cis-1,3-Dichloropropene	0.531	0.513	-	3.4	20	100	0
Chlorobenzene-d5	1	1	-	0	20	107	0
Toluene-d8	1.174	1.156	-	1.5	20	104	0
Toluene	0.891	0.824	-	7.5	20	98	0
4-Methyl-2-pentanone	0.11	0.098	-	10.9	20	98	0
Tetrachloroethene	0.44	0.437	-	0.7	20	101	0
trans-1,3-Dichloropropene	0.537	0.506	-	5.8	20	99	0
Ethyl methacrylate	0.401	0.375	-	6.5	20	98	0
1,1,2-Trichloroethane	0.244	0.229	-	6.1	20	100	0
Chlorodibromomethane	0.384	0.352	-	8.3	20	100	0
1,3-Dichloropropane	0.484	0.458	-	5.4	20	101	0
1,2-Dibromoethane	0.315	0.294	-	6.7	20	100	0
2-Hexanone	0.246	0.22	-	10.6	20	98	0
Chlorobenzene	1.041	0.978	-	6.1	20	100	0
Ethylbenzene	1.769	1.683	-	4.9	20	98	0
1,1,1,2-Tetrachloroethane	0.366	0.343	-	6.3	20	99	0
p/m Xylene	0.75	0.718	-	4.3	20	101	0
o Xylene	0.726	0.702	-	3.3	20	101	0
Styrene	1.183	1.154	-	2.5	20	100	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	111	0
Bromoform	0.429	0.374	-	12.8	20	95	0
Isopropylbenzene	3.095	2.878	-	7	20	99	0
4-Bromofluorobenzene	0.802	0.777	-	3.1	20	107	0
Bromobenzene	0.769	0.75	-	2.5	20	106	0
n-Propylbenzene	3.574	3.404	-	4.8	20	100	0
1,4-Dichlorobutane	0.809	0.738	-	8.8	20	97	0
1,1,2,2-Tetrachloroethane	0.599	0.561	-	6.3	20	97	0
4-Ethyltoluene	3.035	2.882	-	5	20	101	0
2-Chlorotoluene	2.42	2.266	-	6.4	20	101	0
1,3,5-Trimethylbenzene	2.575	2.461	-	4.4	20	101	0
1,2,3-Trichloropropane	0.482	0.457	-	5.2	20	99	0
trans-1,4-Dichloro-2-buten	0.2	0.181	-	9.5	20	100	0
4-Chlorotoluene	2.205	2.065	-	6.3	20	101	0
tert-Butylbenzene	2.282	2.151	-	5.7	20	98	0
1,2,4-Trimethylbenzene	2.52	2.397	-	4.9	20	99	0
sec-Butylbenzene	3.303	3.152	-	4.6	20	100	0
p-Isopropyltoluene	2.918	2.8	-	4	20	100	0
1,3-Dichlorobenzene	1.491	1.451	-	2.7	20	104	0
1,4-Dichlorobenzene	1.493	1.427	-	4.4	20	103	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Verdantas, LLC		**Lab Number**	: L2330480	
Project Name	: TOWN OF FRANKLIN		**Project Number**	: 17356	
Instrument ID	: JACK2		**Calibration Date**	: 06/09/23 03:55	
Lab File ID	: J230609A02		**Init. Calib. Date(s)**	: 06/03/23	06/04/23
Sample No	: WG1789250-2		**Init. Calib. Times**	: 18:02	00:19
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.737	1.707	-	1.7	20	102	0
n-Butylbenzene	2.428	2.386	-	1.7	20	100	0
1,2-Dichlorobenzene	1.397	1.357	-	2.9	20	103	0
1,2,4,5-Tetramethylbenzene	2.565	2.499	-	2.6	20	102	0
1,2-Dibromo-3-chloropropan	0.119	0.108	-	9.2	20	96	0
1,3,5-Trichlorobenzene	1.045	1.052	-	-0.7	20	105	0
Hexachlorobutadiene	0.454	0.461	-	-1.5	20	107	0
1,2,4-Trichlorobenzene	0.9	0.924	-	-2.7	20	106	0
Naphthalene	2.262	2.182	-	3.5	20	99	0
1,2,3-Trichlorobenzene	0.826	0.835	-	-1.1	20	104	0

* Value outside of QC limits.

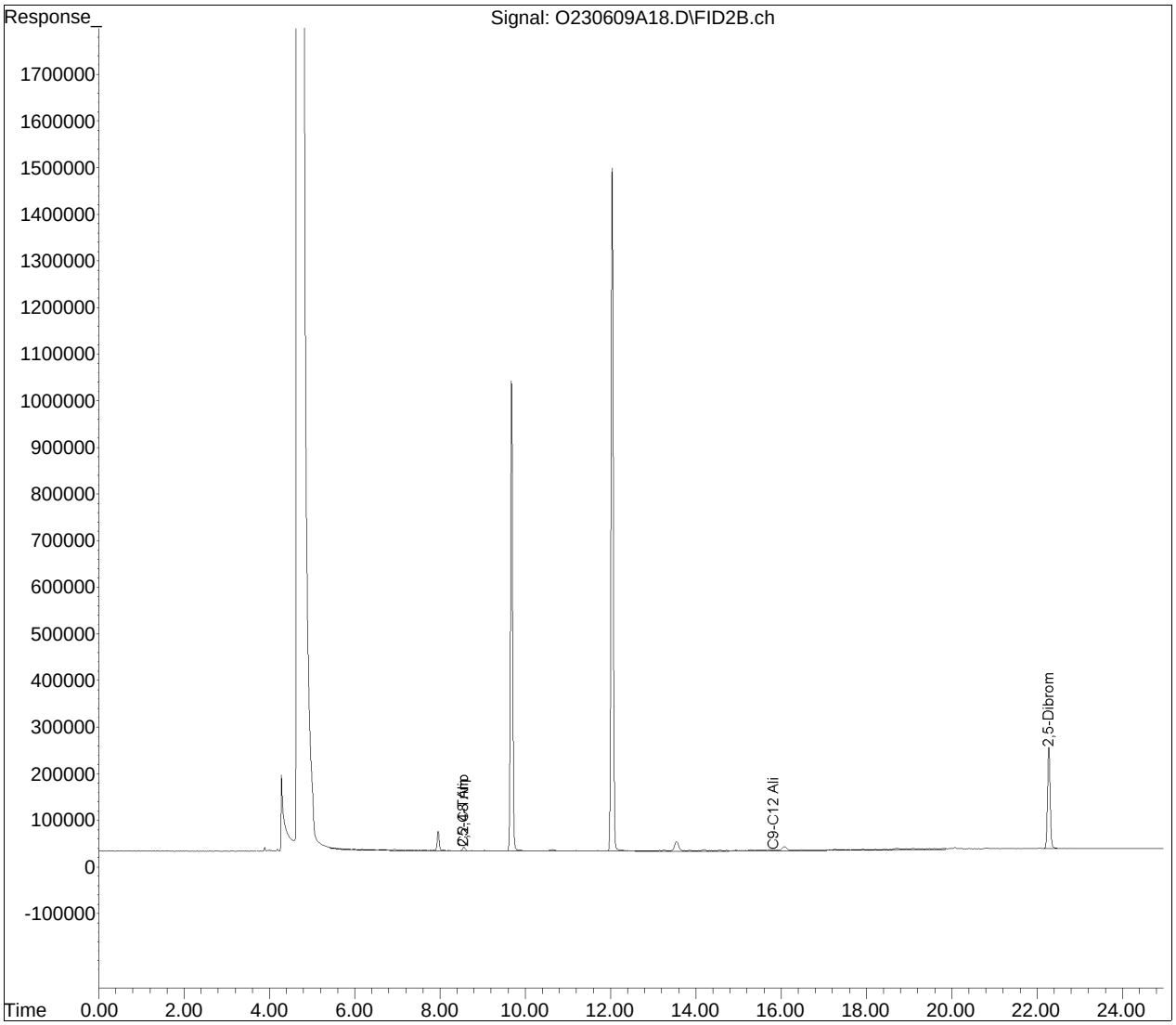
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES_GC\OVPH\2023\230609Aali\
Data File : O230609A18.D
Signal(s) : FID2B.ch
Acq On : 9 Jun 2023 8:50 pm
Operator : OVPH:BAD
Sample : l2330480-04,41,5.0,5,,d
Misc : WG1789663,ICAL19856
ALS Vial : 18 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jun 10 10:34:18 2023
Quant Method : I:\VOLATILES_GC\OVPH\2023\230609Aali\vph-ali230325N.m
Quant Title : VPH ALIPHATIC
QLast Update : Tue Mar 28 09:55:44 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

Sub List : Default - All compounds listed



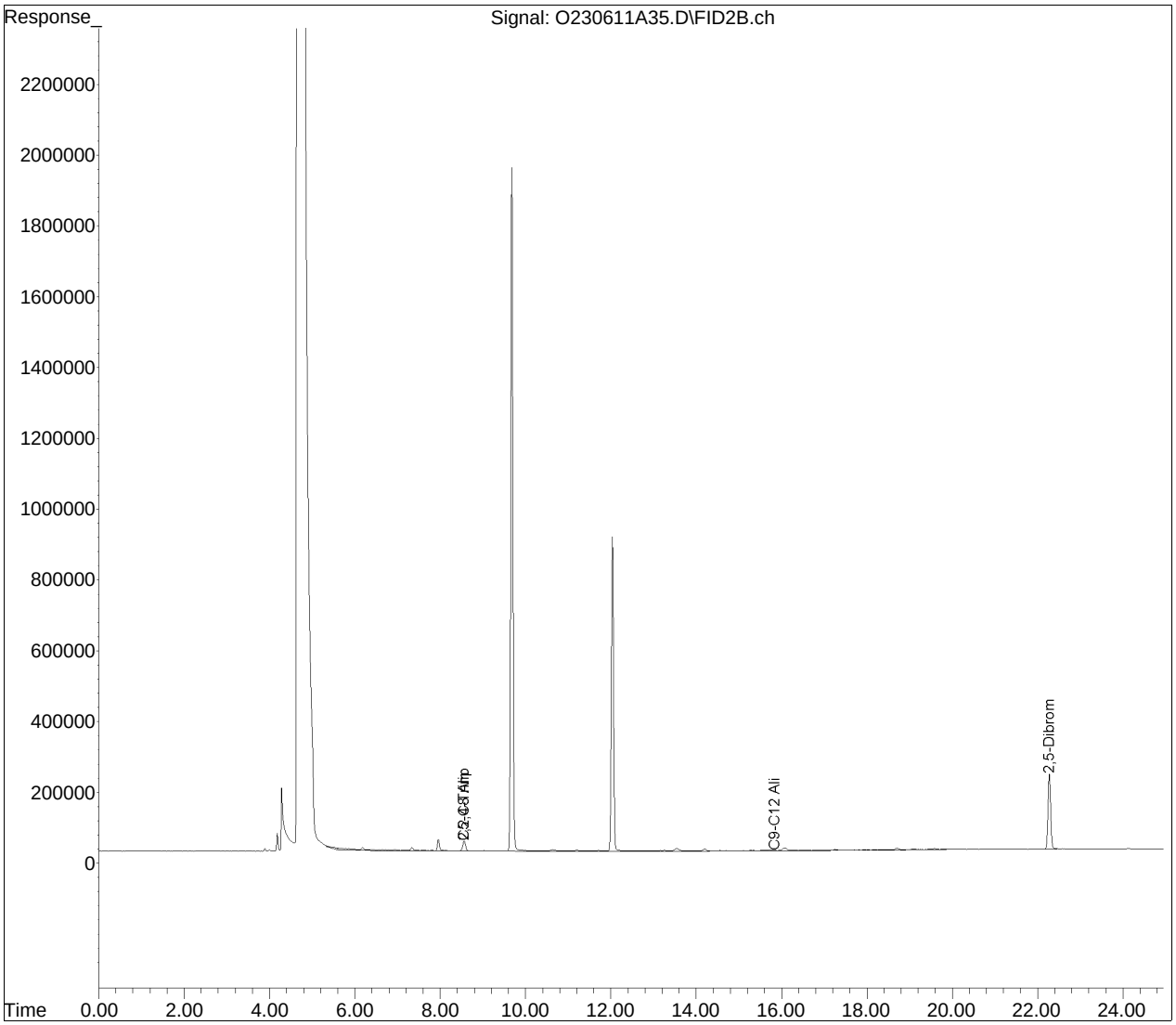
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES_GC\OVPH\2023\230611Aali\
Data File : O230611A35.D
Signal(s) : FID2B.ch
Acq On : 12 Jun 2023 7:48 am
Operator : OVPH:KJD
Sample : l2330480-10,41,5.0,5,,d
Misc : WG1790596,ICAL19856
ALS Vial : 35 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jun 12 22:24:35 2023
Quant Method : I:\VOLATILES_GC\OVPH\2023\230611Aali\vph-ali230325N.m
Quant Title : VPH ALIPHATIC
QLast Update : Tue Mar 28 09:55:44 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

Sub List : Default - All compounds listed



ANALYTICAL REPORT

Lab Number:	L2355554
Client:	Verdantas 1005 Main Street Suite 8120 Pawtucket, RI 02860
ATTN:	Daniel Curran
Phone:	(401) 648-8647
Project Name:	FORMER NUSTYLE PROPERTY
Project Number:	17356
Report Date:	10/05/23

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: FORMER NUSTYLE PROPERTY
Project Number: 17356

Lab Number: L2355554
Report Date: 10/05/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2355554-01	SB-201 (6-8')	SOIL	21 GROVE ST, FRANKLIN, MA	09/18/23 10:00	09/21/23
L2355554-02	SB-202 (10-12')	SOIL	21 GROVE ST, FRANKLIN, MA	09/19/23 09:35	09/21/23
L2355554-03	SB-203 (4-6')	SOIL	21 GROVE ST, FRANKLIN, MA	09/19/23 14:00	09/21/23
L2355554-04	SB-204 (4-6')	SOIL	21 GROVE ST, FRANKLIN, MA	09/20/23 10:30	09/21/23

Project Name: FORMER NUSTYLE PROPERTY **Lab Number:** L2355554

Project Number: 17356 **Report Date:** 10/05/23

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	YES
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	YES
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name:	FORMER NUSTYLE PROPERTY	**Lab Number:**	L2355554
Project Number:	17356	**Report Date:**	10/05/23

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	FORMER NUSTYLE PROPERTY	**Lab Number:**	L2355554
Project Number:	17356	**Report Date:**	10/05/23

Case Narrative (continued)

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Metals.

Volatile Organics

L2355554-01 through -04: Initial calibration utilized a quadratic fit for: trichloroethene, bromodichloromethane

In reference to question H:

L2355554-01 through -04: Initial Calibration did not meet:

Lowest Calibration Standard Minimum Response Factor: 1,4-dioxane (0.0029)

Average Response Factor: 1,4-dioxane

L2355554-01 through -04: The associated continuing calibration standard is outside the acceptance criteria for several compounds; however, it is within overall method allowances. Associated results are considered to be biased high if the %D is negative and biased low if the %D is positive. A copy of the continuing calibration standard is included as an addendum to this report.

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. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Caitlin Walukevich

Caitlin Walukevich

Title: Technical Director/Representative

Date: 10/05/23

QC OUTLIER SUMMARY REPORT

Project Name: FORMER NUSTYLE PROPERTY
Project Number: 17356

Lab Number: L2355554
Report Date: 10/05/23

Method	Client ID (Native ID)	Lab ID	Parameter	QC Type	Recovery/RPD (%)	QC Limits (%)	Associated Samples	Data Quality Assessment
Volatile Petroleum Hydrocarbons - Westborough Lab								
VPH-18-2.1	SB-201 (6-8')	L2355554-01	2,5-Dibromotoluene-PID	Surrogate	149	70-130	-	potential high bias
VPH-18-2.1	SB-201 (6-8')	L2355554-01	2,5-Dibromotoluene-FID	Surrogate	155	70-130	-	potential high bias
VPH-18-2.1	SB-202 (10-12')	L2355554-02	2,5-Dibromotoluene-PID	Surrogate	151	70-130	-	potential high bias
VPH-18-2.1	SB-202 (10-12')	L2355554-02	2,5-Dibromotoluene-FID	Surrogate	156	70-130	-	potential high bias
VPH-18-2.1	SB-203 (4-6')	L2355554-03	2,5-Dibromotoluene-PID	Surrogate	147	70-130	-	potential high bias
VPH-18-2.1	SB-203 (4-6')	L2355554-03	2,5-Dibromotoluene-FID	Surrogate	153	70-130	-	potential high bias
VPH-18-2.1	SB-204 (4-6')	L2355554-04	2,5-Dibromotoluene-PID	Surrogate	134	70-130	-	potential high bias
VPH-18-2.1	SB-204 (4-6')	L2355554-04	2,5-Dibromotoluene-FID	Surrogate	138	70-130	-	potential high bias
VPH-18-2.1	Batch QC	WG1835572-2	Pentane	LCS	68	70-130	01-04	potential low bias

ORGANICS

VOLATILES

Project Name: FORMER NUSTYLE PROPERTY **Lab Number:** L2355554

Project Number: 17356 **Report Date:** 10/05/23

SAMPLE RESULTS

Lab ID: L2355554-01 Date Collected: 09/18/23 10:00
Client ID: SB-201 (6-8') Date Received: 09/21/23
Sample Location: 21 GROVE ST, FRANKLIN, MA Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 141,8260D
Analytical Date: 10/01/23 19:47
Analyst: AJK
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.4	--	1
1,1-Dichloroethane	ND		ug/kg	0.68	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.68	--	1
1,2-Dichloropropane	ND		ug/kg	0.68	--	1
Dibromochloromethane	ND		ug/kg	0.68	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.68	--	1
Tetrachloroethene	ND		ug/kg	0.34	--	1
Chlorobenzene	ND		ug/kg	0.34	--	1
Trichlorofluoromethane	ND		ug/kg	2.7	--	1
1,2-Dichloroethane	ND		ug/kg	0.68	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.34	--	1
Bromodichloromethane	ND		ug/kg	0.34	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.68	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.34	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.34	--	1
1,1-Dichloropropene	ND		ug/kg	0.34	--	1
Bromoform	ND		ug/kg	2.7	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.34	--	1
Benzene	ND		ug/kg	0.34	--	1
Toluene	ND		ug/kg	0.68	--	1
Ethylbenzene	ND		ug/kg	0.68	--	1
Chloromethane	ND		ug/kg	2.7	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	0.68	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.68	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	--	1

Project Name: FORMER NUSTYLE PROPERTY **Lab Number:** L2355554

Project Number: 17356 **Report Date:** 10/05/23

SAMPLE RESULTS

Lab ID: L2355554-01 Date Collected: 09/18/23 10:00

Client ID: SB-201 (6-8') Date Received: 09/21/23

Sample Location: 21 GROVE ST, FRANKLIN, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.34	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	0.68	--	1
Xylenes, Total	ND		ug/kg	0.68	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.68	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.68	--	1
Dibromomethane	ND		ug/kg	1.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	0.68	--	1
Dichlorodifluoromethane	ND		ug/kg	6.8	--	1
Acetone	ND		ug/kg	17	--	1
Carbon disulfide	ND		ug/kg	6.8	--	1
Methyl ethyl ketone	ND		ug/kg	6.8	--	1
Methyl isobutyl ketone	ND		ug/kg	6.8	--	1
2-Hexanone	ND		ug/kg	6.8	--	1
Bromochloromethane	ND		ug/kg	1.4	--	1
Tetrahydrofuran	ND		ug/kg	2.7	--	1
2,2-Dichloropropane	ND		ug/kg	1.4	--	1
1,2-Dibromoethane	ND		ug/kg	0.68	--	1
1,3-Dichloropropane	ND		ug/kg	1.4	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.34	--	1
Bromobenzene	ND		ug/kg	1.4	--	1
n-Butylbenzene	ND		ug/kg	0.68	--	1
sec-Butylbenzene	ND		ug/kg	0.68	--	1
tert-Butylbenzene	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	1.4	--	1
p-Chlorotoluene	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.0	--	1
Hexachlorobutadiene	ND		ug/kg	2.7	--	1
Isopropylbenzene	ND		ug/kg	0.68	--	1
p-Isopropyltoluene	ND		ug/kg	0.68	--	1
Naphthalene	ND		ug/kg	2.7	--	1
n-Propylbenzene	ND		ug/kg	0.68	--	1

Project Name: FORMER NUSTYLE PROPERTY **Lab Number:** L2355554

Project Number: 17356 **Report Date:** 10/05/23

SAMPLE RESULTS

Lab ID: L2355554-01 Date Collected: 09/18/23 10:00

Client ID: SB-201 (6-8') Date Received: 09/21/23

Sample Location: 21 GROVE ST, FRANKLIN, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	--	1
Diethyl ether	ND		ug/kg	1.4	--	1
Diisopropyl Ether	ND		ug/kg	1.4	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.4	--	1
1,4-Dioxane	ND		ug/kg	54	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	96		70-130

Project Name: FORMER NUSTYLE PROPERTY **Lab Number:** L2355554

Project Number: 17356 **Report Date:** 10/05/23

SAMPLE RESULTS

Lab ID: L2355554-02
Client ID: SB-202 (10-12')
Sample Location: 21 GROVE ST, FRANKLIN, MA

Date Collected: 09/19/23 09:35
Date Received: 09/21/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 141,8260D
Analytical Date: 10/01/23 20:15
Analyst: AJK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.8	--	1
1,1-Dichloroethane	ND		ug/kg	0.75	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.75	--	1
1,2-Dichloropropane	ND		ug/kg	0.75	--	1
Dibromochloromethane	ND		ug/kg	0.75	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.75	--	1
Tetrachloroethene	0.95		ug/kg	0.38	--	1
Chlorobenzene	ND		ug/kg	0.38	--	1
Trichlorofluoromethane	ND		ug/kg	3.0	--	1
1,2-Dichloroethane	ND		ug/kg	0.75	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.38	--	1
Bromodichloromethane	ND		ug/kg	0.38	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.75	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.38	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.38	--	1
1,1-Dichloropropene	ND		ug/kg	0.38	--	1
Bromoform	ND		ug/kg	3.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.38	--	1
Benzene	ND		ug/kg	0.38	--	1
Toluene	ND		ug/kg	0.75	--	1
Ethylbenzene	ND		ug/kg	0.75	--	1
Chloromethane	ND		ug/kg	3.0	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	ND		ug/kg	0.75	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.75	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1

Project Name: FORMER NUSTYLE PROPERTY **Lab Number:** L2355554

Project Number: 17356 **Report Date:** 10/05/23

SAMPLE RESULTS

Lab ID: L2355554-02 Date Collected: 09/19/23 09:35

Client ID: SB-202 (10-12') Date Received: 09/21/23

Sample Location: 21 GROVE ST, FRANKLIN, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	5.1		ug/kg	0.38	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.5	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	ND		ug/kg	1.5	--	1
o-Xylene	ND		ug/kg	0.75	--	1
Xylenes, Total	ND		ug/kg	0.75	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.75	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.75	--	1
Dibromomethane	ND		ug/kg	1.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.5	--	1
Styrene	ND		ug/kg	0.75	--	1
Dichlorodifluoromethane	ND		ug/kg	7.5	--	1
Acetone	ND		ug/kg	19	--	1
Carbon disulfide	ND		ug/kg	7.5	--	1
Methyl ethyl ketone	ND		ug/kg	7.5	--	1
Methyl isobutyl ketone	ND		ug/kg	7.5	--	1
2-Hexanone	ND		ug/kg	7.5	--	1
Bromochloromethane	ND		ug/kg	1.5	--	1
Tetrahydrofuran	ND		ug/kg	3.0	--	1
2,2-Dichloropropane	ND		ug/kg	1.5	--	1
1,2-Dibromoethane	ND		ug/kg	0.75	--	1
1,3-Dichloropropane	ND		ug/kg	1.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.38	--	1
Bromobenzene	ND		ug/kg	1.5	--	1
n-Butylbenzene	ND		ug/kg	0.75	--	1
sec-Butylbenzene	ND		ug/kg	0.75	--	1
tert-Butylbenzene	ND		ug/kg	1.5	--	1
o-Chlorotoluene	ND		ug/kg	1.5	--	1
p-Chlorotoluene	ND		ug/kg	1.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.2	--	1
Hexachlorobutadiene	ND		ug/kg	3.0	--	1
Isopropylbenzene	ND		ug/kg	0.75	--	1
p-Isopropyltoluene	ND		ug/kg	0.75	--	1
Naphthalene	ND		ug/kg	3.0	--	1
n-Propylbenzene	ND		ug/kg	0.75	--	1

Project Name: FORMER NUSTYLE PROPERTY **Lab Number:** L2355554

Project Number: 17356 **Report Date:** 10/05/23

SAMPLE RESULTS

Lab ID: L2355554-02 Date Collected: 09/19/23 09:35

Client ID: SB-202 (10-12') Date Received: 09/21/23

Sample Location: 21 GROVE ST, FRANKLIN, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.5	--	1
Diethyl ether	ND		ug/kg	1.5	--	1
Diisopropyl Ether	ND		ug/kg	1.5	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.5	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.5	--	1
1,4-Dioxane	ND		ug/kg	60	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	97		70-130

Project Name: FORMER NUSTYLE PROPERTY **Lab Number:** L2355554

Project Number: 17356 **Report Date:** 10/05/23

SAMPLE RESULTS

Lab ID: L2355554-03 Date Collected: 09/19/23 14:00
Client ID: SB-203 (4-6') Date Received: 09/21/23
Sample Location: 21 GROVE ST, FRANKLIN, MA Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 141,8260D
Analytical Date: 10/01/23 20:42
Analyst: AJK
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	2.7	--	1
1,1-Dichloroethane	ND		ug/kg	0.55	--	1
Chloroform	ND		ug/kg	0.82	--	1
Carbon tetrachloride	ND		ug/kg	0.55	--	1
1,2-Dichloropropane	ND		ug/kg	0.55	--	1
Dibromochloromethane	ND		ug/kg	0.55	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.55	--	1
Tetrachloroethene	5.7		ug/kg	0.27	--	1
Chlorobenzene	ND		ug/kg	0.27	--	1
Trichlorofluoromethane	ND		ug/kg	2.2	--	1
1,2-Dichloroethane	ND		ug/kg	0.55	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.27	--	1
Bromodichloromethane	ND		ug/kg	0.27	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.55	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.27	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.27	--	1
1,1-Dichloropropene	ND		ug/kg	0.27	--	1
Bromoform	ND		ug/kg	2.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.27	--	1
Benzene	ND		ug/kg	0.27	--	1
Toluene	ND		ug/kg	0.55	--	1
Ethylbenzene	ND		ug/kg	0.55	--	1
Chloromethane	ND		ug/kg	2.2	--	1
Bromomethane	ND		ug/kg	1.1	--	1
Vinyl chloride	ND		ug/kg	0.55	--	1
Chloroethane	ND		ug/kg	1.1	--	1
1,1-Dichloroethene	ND		ug/kg	0.55	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.82	--	1

Project Name: FORMER NUSTYLE PROPERTY **Lab Number:** L2355554

Project Number: 17356 **Report Date:** 10/05/23

SAMPLE RESULTS

Lab ID: L2355554-03 Date Collected: 09/19/23 14:00

Client ID: SB-203 (4-6') Date Received: 09/21/23

Sample Location: 21 GROVE ST, FRANKLIN, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	5.5		ug/kg	0.27	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.1	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.1	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.1	--	1
Methyl tert butyl ether	ND		ug/kg	1.1	--	1
p/m-Xylene	ND		ug/kg	1.1	--	1
o-Xylene	ND		ug/kg	0.55	--	1
Xylenes, Total	ND		ug/kg	0.55	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.55	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.55	--	1
Dibromomethane	ND		ug/kg	1.1	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.1	--	1
Styrene	ND		ug/kg	0.55	--	1
Dichlorodifluoromethane	ND		ug/kg	5.5	--	1
Acetone	ND		ug/kg	14	--	1
Carbon disulfide	ND		ug/kg	5.5	--	1
Methyl ethyl ketone	ND		ug/kg	5.5	--	1
Methyl isobutyl ketone	ND		ug/kg	5.5	--	1
2-Hexanone	ND		ug/kg	5.5	--	1
Bromochloromethane	ND		ug/kg	1.1	--	1
Tetrahydrofuran	ND		ug/kg	2.2	--	1
2,2-Dichloropropane	ND		ug/kg	1.1	--	1
1,2-Dibromoethane	ND		ug/kg	0.55	--	1
1,3-Dichloropropane	ND		ug/kg	1.1	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.27	--	1
Bromobenzene	ND		ug/kg	1.1	--	1
n-Butylbenzene	ND		ug/kg	0.55	--	1
sec-Butylbenzene	ND		ug/kg	0.55	--	1
tert-Butylbenzene	ND		ug/kg	1.1	--	1
o-Chlorotoluene	ND		ug/kg	1.1	--	1
p-Chlorotoluene	ND		ug/kg	1.1	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.6	--	1
Hexachlorobutadiene	ND		ug/kg	2.2	--	1
Isopropylbenzene	ND		ug/kg	0.55	--	1
p-Isopropyltoluene	ND		ug/kg	0.55	--	1
Naphthalene	ND		ug/kg	2.2	--	1
n-Propylbenzene	ND		ug/kg	0.55	--	1

Project Name: FORMER NUSTYLE PROPERTY **Lab Number:** L2355554

Project Number: 17356 **Report Date:** 10/05/23

SAMPLE RESULTS

Lab ID: L2355554-03 Date Collected: 09/19/23 14:00

Client ID: SB-203 (4-6') Date Received: 09/21/23

Sample Location: 21 GROVE ST, FRANKLIN, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.1	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.1	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.1	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.1	--	1
Diethyl ether	ND		ug/kg	1.1	--	1
Diisopropyl Ether	ND		ug/kg	1.1	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.1	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.1	--	1
1,4-Dioxane	ND		ug/kg	44	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	95		70-130

Project Name: FORMER NUSTYLE PROPERTY
Project Number: 17356
Lab Number: L2355554
Report Date: 10/05/23

SAMPLE RESULTS

Lab ID: L2355554-04
Client ID: SB-204 (4-6')
Sample Location: 21 GROVE ST, FRANKLIN, MA
Date Collected: 09/20/23 10:30
Date Received: 09/21/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 141,8260D
Analytical Date: 10/01/23 21:09
Analyst: AJK
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.0	--	1
1,1-Dichloroethane	ND		ug/kg	0.61	--	1
Chloroform	ND		ug/kg	0.91	--	1
Carbon tetrachloride	ND		ug/kg	0.61	--	1
1,2-Dichloropropane	ND		ug/kg	0.61	--	1
Dibromochloromethane	ND		ug/kg	0.61	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.61	--	1
Tetrachloroethene	19		ug/kg	0.30	--	1
Chlorobenzene	ND		ug/kg	0.30	--	1
Trichlorofluoromethane	ND		ug/kg	2.4	--	1
1,2-Dichloroethane	ND		ug/kg	0.61	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.30	--	1
Bromodichloromethane	ND		ug/kg	0.30	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.61	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.30	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.30	--	1
1,1-Dichloropropene	ND		ug/kg	0.30	--	1
Bromoform	ND		ug/kg	2.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.30	--	1
Benzene	ND		ug/kg	0.30	--	1
Toluene	ND		ug/kg	0.61	--	1
Ethylbenzene	ND		ug/kg	0.61	--	1
Chloromethane	ND		ug/kg	2.4	--	1
Bromomethane	ND		ug/kg	1.2	--	1
Vinyl chloride	ND		ug/kg	0.61	--	1
Chloroethane	ND		ug/kg	1.2	--	1
1,1-Dichloroethene	ND		ug/kg	0.61	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.91	--	1

Project Name: FORMER NUSTYLE PROPERTY **Lab Number:** L2355554

Project Number: 17356 **Report Date:** 10/05/23

SAMPLE RESULTS

Lab ID: L2355554-04 Date Collected: 09/20/23 10:30

Client ID: SB-204 (4-6') Date Received: 09/21/23

Sample Location: 21 GROVE ST, FRANKLIN, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	44		ug/kg	0.30	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.2	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.2	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.2	--	1
Methyl tert butyl ether	ND		ug/kg	1.2	--	1
p/m-Xylene	ND		ug/kg	1.2	--	1
o-Xylene	ND		ug/kg	0.61	--	1
Xylenes, Total	ND		ug/kg	0.61	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.61	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.61	--	1
Dibromomethane	ND		ug/kg	1.2	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.2	--	1
Styrene	ND		ug/kg	0.61	--	1
Dichlorodifluoromethane	ND		ug/kg	6.1	--	1
Acetone	ND		ug/kg	15	--	1
Carbon disulfide	ND		ug/kg	6.1	--	1
Methyl ethyl ketone	ND		ug/kg	6.1	--	1
Methyl isobutyl ketone	ND		ug/kg	6.1	--	1
2-Hexanone	ND		ug/kg	6.1	--	1
Bromochloromethane	ND		ug/kg	1.2	--	1
Tetrahydrofuran	ND		ug/kg	2.4	--	1
2,2-Dichloropropane	ND		ug/kg	1.2	--	1
1,2-Dibromoethane	ND		ug/kg	0.61	--	1
1,3-Dichloropropane	ND		ug/kg	1.2	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.30	--	1
Bromobenzene	ND		ug/kg	1.2	--	1
n-Butylbenzene	ND		ug/kg	0.61	--	1
sec-Butylbenzene	ND		ug/kg	0.61	--	1
tert-Butylbenzene	ND		ug/kg	1.2	--	1
o-Chlorotoluene	ND		ug/kg	1.2	--	1
p-Chlorotoluene	ND		ug/kg	1.2	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.8	--	1
Hexachlorobutadiene	ND		ug/kg	2.4	--	1
Isopropylbenzene	ND		ug/kg	0.61	--	1
p-Isopropyltoluene	ND		ug/kg	0.61	--	1
Naphthalene	ND		ug/kg	2.4	--	1
n-Propylbenzene	ND		ug/kg	0.61	--	1

Project Name: FORMER NUSTYLE PROPERTY **Lab Number:** L2355554

Project Number: 17356 **Report Date:** 10/05/23

SAMPLE RESULTS

Lab ID: L2355554-04 Date Collected: 09/20/23 10:30

Client ID: SB-204 (4-6') Date Received: 09/21/23

Sample Location: 21 GROVE ST, FRANKLIN, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.2	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.2	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.2	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.2	--	1
Diethyl ether	ND		ug/kg	1.2	--	1
Diisopropyl Ether	ND		ug/kg	1.2	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.2	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.2	--	1
1,4-Dioxane	ND		ug/kg	48	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	96		70-130

Project Name: FORMER NUSTYLE PROPERTY **Lab Number:** L2355554

Project Number: 17356 **Report Date:** 10/05/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 141,8260D
Analytical Date: 10/01/23 17:58
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1834584-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: FORMER NUSTYLE PROPERTY **Lab Number:** L2355554

Project Number: 17356 **Report Date:** 10/05/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 141,8260D
Analytical Date: 10/01/23 17:58
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1834584-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	25	--
Carbon disulfide	ND		ug/kg	10	--
Methyl ethyl ketone	ND		ug/kg	10	--
Methyl isobutyl ketone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,3-Dichloropropane	ND		ug/kg	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--

Project Name: FORMER NUSTYLE PROPERTY
Project Number: 17356
Lab Number: L2355554
Report Date: 10/05/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 141,8260D
Analytical Date: 10/01/23 17:58
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1834584-5					
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
Diethyl ether	ND		ug/kg	2.0	--
Diisopropyl Ether	ND		ug/kg	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	92		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER NUSTYLE PROPERTY

Project Number: 17356

Lab Number: L2355554

Report Date: 10/05/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1834584-3 WG1834584-4								
Methylene chloride	90		91		70-130	1		20
1,1-Dichloroethane	95		95		70-130	0		20
Chloroform	92		92		70-130	0		20
Carbon tetrachloride	86		87		70-130	1		20
1,2-Dichloropropane	93		93		70-130	0		20
Dibromochloromethane	89		89		70-130	0		20
1,1,2-Trichloroethane	90		89		70-130	1		20
Tetrachloroethene	97		96		70-130	1		20
Chlorobenzene	93		93		70-130	0		20
Trichlorofluoromethane	104		105		70-130	1		20
1,2-Dichloroethane	87		89		70-130	2		20
1,1,1-Trichloroethane	89		88		70-130	1		20
Bromodichloromethane	89		89		70-130	0		20
trans-1,3-Dichloropropene	97		97		70-130	0		20
cis-1,3-Dichloropropene	88		89		70-130	1		20
1,1-Dichloropropene	95		96		70-130	1		20
Bromoform	86		87		70-130	1		20
1,1,2,2-Tetrachloroethane	98		94		70-130	4		20
Benzene	93		93		70-130	0		20
Toluene	98		97		70-130	1		20
Ethylbenzene	99		100		70-130	1		20
Chloromethane	96		94		70-130	2		20
Bromomethane	92		91		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER NUSTYLE PROPERTY
Project Number: 17356

Lab Number: L2355554
Report Date: 10/05/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1834584-3 WG1834584-4								
Vinyl chloride	106		104		70-130	2		20
Chloroethane	102		101		70-130	1		20
1,1-Dichloroethene	100		100		70-130	0		20
trans-1,2-Dichloroethene	96		96		70-130	0		20
Trichloroethene	92		93		70-130	1		20
1,2-Dichlorobenzene	96		96		70-130	0		20
1,3-Dichlorobenzene	98		98		70-130	0		20
1,4-Dichlorobenzene	97		97		70-130	0		20
Methyl tert butyl ether	89		88		70-130	1		20
p/m-Xylene	99		99		70-130	0		20
o-Xylene	93		93		70-130	0		20
cis-1,2-Dichloroethene	88		87		70-130	1		20
Dibromomethane	82		86		70-130	5		20
1,2,3-Trichloropropane	98		96		70-130	2		20
Styrene	96		96		70-130	0		20
Dichlorodifluoromethane	90		89		70-130	1		20
Acetone	95		90		70-130	5		20
Carbon disulfide	94		93		70-130	1		20
Methyl ethyl ketone	87		84		70-130	4		20
Methyl isobutyl ketone	92		88		70-130	4		20
2-Hexanone	94		94		70-130	0		20
Bromochloromethane	83		83		70-130	0		20
Tetrahydrofuran	89		83		70-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER NUSTYLE PROPERTY
Project Number: 17356

Lab Number: L2355554
Report Date: 10/05/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1834584-3 WG1834584-4								
2,2-Dichloropropane	98		94		70-130	4		20
1,2-Dibromoethane	92		93		70-130	1		20
1,3-Dichloropropane	97		98		70-130	1		20
1,1,1,2-Tetrachloroethane	93		92		70-130	1		20
Bromobenzene	94		92		70-130	2		20
n-Butylbenzene	113		112		70-130	1		20
sec-Butylbenzene	109		108		70-130	1		20
tert-Butylbenzene	105		103		70-130	2		20
o-Chlorotoluene	105		103		70-130	2		20
p-Chlorotoluene	104		103		70-130	1		20
1,2-Dibromo-3-chloropropane	82		83		70-130	1		20
Hexachlorobutadiene	96		95		70-130	1		20
Isopropylbenzene	102		104		70-130	2		20
p-Isopropyltoluene	104		104		70-130	0		20
Naphthalene	93		92		70-130	1		20
n-Propylbenzene	111		107		70-130	4		20
1,2,3-Trichlorobenzene	96		93		70-130	3		20
1,2,4-Trichlorobenzene	98		96		70-130	2		20
1,3,5-Trimethylbenzene	102		101		70-130	1		20
1,2,4-Trimethylbenzene	101		100		70-130	1		20
Diethyl ether	91		92		70-130	1		20
Diisopropyl Ether	100		100		70-130	0		20
Ethyl-Tert-Butyl-Ether	94		94		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER NUSTYLE PROPERTY

Project Number: 17356

Lab Number: L2355554

Report Date: 10/05/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by EPA 5035 Low - Westborough Lab	Associated sample(s): 01-04		Batch: WG1834584-3 WG1834584-4					
Tertiary-Amyl Methyl Ether	90		89		70-130	1		20
1,4-Dioxane	71		71		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		92		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	106		101		70-130
Dibromofluoromethane	88		89		70-130

PETROLEUM HYDROCARBONS

Project Name: FORMER NUSTYLE PROPERTY
Lab Number: L2355554
Project Number: 17356
Report Date: 10/05/23

SAMPLE RESULTS

Lab ID:	L2355554-01	Date Collected:	09/18/23 10:00
Client ID:	SB-201 (6-8')	Date Received:	09/21/23
Sample Location:	21 GROVE ST, FRANKLIN, MA	Field Prep:	Not Specified
Sample Depth:			
Matrix:	Soil		
Analytical Method:	131,VPH-18-2.1		
Analytical Date:	10/01/23 05:35		
Analyst:	BAD		
Percent Solids:	79%		

Trap:	EST, Carbopack B/Carboxen 1000&1001	Analytical Column:	Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Were samples received in methanol?	Covering the Soil
Methanol ratio:	1:1.7

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		mg/kg	5.08	--	1
C9-C12 Aliphatics	ND		mg/kg	5.08	--	1
C9-C10 Aromatics	ND		mg/kg	5.08	--	1
C5-C8 Aliphatics, Adjusted	ND		mg/kg	5.08	--	1
C9-C12 Aliphatics, Adjusted	ND		mg/kg	5.08	--	1
Benzene	ND		mg/kg	0.102	--	1
Toluene	ND		mg/kg	0.102	--	1
Ethylbenzene	ND		mg/kg	0.102	--	1
p/m-Xylene	ND		mg/kg	0.102	--	1
o-Xylene	ND		mg/kg	0.102	--	1
Methyl tert butyl ether	ND		mg/kg	0.051	--	1
Naphthalene	ND		mg/kg	0.203	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	**149**	Q	70-130
2,5-Dibromotoluene-FID	**155**	Q	70-130

Project Name: FORMER NUSTYLE PROPERTY
Project Number: 17356
Lab Number: L2355554
Report Date: 10/05/23

SAMPLE RESULTS

Lab ID:	L2355554-01	Date Collected:	09/18/23 10:00
Client ID:	SB-201 (6-8')	Date Received:	09/21/23
Sample Location:	21 GROVE ST, FRANKLIN, MA	Field Prep:	Not Specified
Sample Depth:			
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	135,EPH-19-2.1	Extraction Date:	09/25/23 15:50
Analytical Date:	09/26/23 20:38	Cleanup Method1:	EPH-19-2.1
Analyst:	SC	Cleanup Date1:	09/26/23
Percent Solids:	79%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Extractable Petroleum Hydrocarbons - Westborough Lab						
C9-C18 Aliphatics	ND		mg/kg	8.43	--	1
C19-C36 Aliphatics	ND		mg/kg	8.43	--	1
C11-C22 Aromatics	ND		mg/kg	8.43	--	1
C11-C22 Aromatics, Adjusted	ND		mg/kg	8.43	--	1
Naphthalene	ND		mg/kg	0.422	--	1
2-Methylnaphthalene	ND		mg/kg	0.422	--	1
Acenaphthylene	ND		mg/kg	0.422	--	1
Acenaphthene	ND		mg/kg	0.422	--	1
Fluorene	ND		mg/kg	0.422	--	1
Phenanthrene	ND		mg/kg	0.422	--	1
Anthracene	ND		mg/kg	0.422	--	1
Fluoranthene	ND		mg/kg	0.422	--	1
Pyrene	ND		mg/kg	0.422	--	1
Benzo(a)anthracene	ND		mg/kg	0.422	--	1
Chrysene	ND		mg/kg	0.422	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.422	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.422	--	1
Benzo(a)pyrene	ND		mg/kg	0.422	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.422	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.422	--	1
Benzo(ghi)perylene	ND		mg/kg	0.422	--	1

Project Name: FORMER NUSTYLE PROPERTY
Lab Number: L2355554
Project Number: 17356
Report Date: 10/05/23

SAMPLE RESULTS

Lab ID: L2355554-01
Client ID: SB-201 (6-8')
Sample Location: 21 GROVE ST, FRANKLIN, MA
Date Collected: 09/18/23 10:00
Date Received: 09/21/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Extractable Petroleum Hydrocarbons - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	59		40-140
o-Terphenyl	57		40-140
2-Fluorobiphenyl	84		40-140
2-Bromonaphthalene	85		40-140

Project Name: FORMER NUSTYLE PROPERTY
Lab Number: L2355554
Project Number: 17356
Report Date: 10/05/23

SAMPLE RESULTS

Lab ID:	L2355554-02	Date Collected:	09/19/23 09:35
Client ID:	SB-202 (10-12')	Date Received:	09/21/23
Sample Location:	21 GROVE ST, FRANKLIN, MA	Field Prep:	Not Specified
Sample Depth:			
Matrix:	Soil		
Analytical Method:	131,VPH-18-2.1		
Analytical Date:	10/01/23 06:05		
Analyst:	BAD		
Percent Solids:	90%		

Trap:	EST, Carbopack B/Carboxen 1000&1001	Analytical Column:	Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Were samples received in methanol?	Covering the Soil
Methanol ratio:	1:1.7

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		mg/kg	3.83	--	1
C9-C12 Aliphatics	ND		mg/kg	3.83	--	1
C9-C10 Aromatics	ND		mg/kg	3.83	--	1
C5-C8 Aliphatics, Adjusted	ND		mg/kg	3.83	--	1
C9-C12 Aliphatics, Adjusted	ND		mg/kg	3.83	--	1
Benzene	ND		mg/kg	0.077	--	1
Toluene	ND		mg/kg	0.077	--	1
Ethylbenzene	ND		mg/kg	0.077	--	1
p/m-Xylene	ND		mg/kg	0.077	--	1
o-Xylene	ND		mg/kg	0.077	--	1
Methyl tert butyl ether	ND		mg/kg	0.038	--	1
Naphthalene	ND		mg/kg	0.153	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	**151**	Q	70-130
2,5-Dibromotoluene-FID	**156**	Q	70-130

Project Name: FORMER NUSTYLE PROPERTY
Project Number: 17356
Lab Number: L2355554
Report Date: 10/05/23

SAMPLE RESULTS

Lab ID:	L2355554-02	Date Collected:	09/19/23 09:35
Client ID:	SB-202 (10-12')	Date Received:	09/21/23
Sample Location:	21 GROVE ST, FRANKLIN, MA	Field Prep:	Not Specified
Sample Depth:			
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	135,EPH-19-2.1	Extraction Date:	09/27/23 05:26
Analytical Date:	10/02/23 21:47	Cleanup Method1:	EPH-19-2.1
Analyst:	SC	Cleanup Date1:	10/01/23
Percent Solids:	90%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Extractable Petroleum Hydrocarbons - Westborough Lab						
C9-C18 Aliphatics	ND		mg/kg	7.12	--	1
C19-C36 Aliphatics	ND		mg/kg	7.12	--	1
C11-C22 Aromatics	ND		mg/kg	7.12	--	1
C11-C22 Aromatics, Adjusted	ND		mg/kg	7.12	--	1
Naphthalene	ND		mg/kg	0.356	--	1
2-Methylnaphthalene	ND		mg/kg	0.356	--	1
Acenaphthylene	ND		mg/kg	0.356	--	1
Acenaphthene	ND		mg/kg	0.356	--	1
Fluorene	ND		mg/kg	0.356	--	1
Phenanthrene	ND		mg/kg	0.356	--	1
Anthracene	ND		mg/kg	0.356	--	1
Fluoranthene	ND		mg/kg	0.356	--	1
Pyrene	ND		mg/kg	0.356	--	1
Benzo(a)anthracene	ND		mg/kg	0.356	--	1
Chrysene	ND		mg/kg	0.356	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.356	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.356	--	1
Benzo(a)pyrene	ND		mg/kg	0.356	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.356	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.356	--	1
Benzo(ghi)perylene	ND		mg/kg	0.356	--	1

Project Name: FORMER NUSTYLE PROPERTY
Lab Number: L2355554
Project Number: 17356
Report Date: 10/05/23

SAMPLE RESULTS

Lab ID: L2355554-02
Client ID: SB-202 (10-12')
Sample Location: 21 GROVE ST, FRANKLIN, MA
Date Collected: 09/19/23 09:35
Date Received: 09/21/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Extractable Petroleum Hydrocarbons - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	60		40-140
o-Terphenyl	75		40-140
2-Fluorobiphenyl	75		40-140
2-Bromonaphthalene	78		40-140

Project Name: FORMER NUSTYLE PROPERTY
Lab Number: L2355554
Project Number: 17356
Report Date: 10/05/23

SAMPLE RESULTS

Lab ID:	L2355554-03	Date Collected:	09/19/23 14:00
Client ID:	SB-203 (4-6')	Date Received:	09/21/23
Sample Location:	21 GROVE ST, FRANKLIN, MA	Field Prep:	Not Specified
Sample Depth:			
Matrix:	Soil		
Analytical Method:	131,VPH-18-2.1		
Analytical Date:	10/01/23 06:35		
Analyst:	BAD		
Percent Solids:	91%		

Trap:	EST, Carbopack B/Carboxen 1000&1001	Analytical Column:	Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Were samples received in methanol?	Covering the Soil
Methanol ratio:	1:1.9

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		mg/kg	3.31	--	1
C9-C12 Aliphatics	ND		mg/kg	3.31	--	1
C9-C10 Aromatics	ND		mg/kg	3.31	--	1
C5-C8 Aliphatics, Adjusted	ND		mg/kg	3.31	--	1
C9-C12 Aliphatics, Adjusted	ND		mg/kg	3.31	--	1
Benzene	ND		mg/kg	0.066	--	1
Toluene	ND		mg/kg	0.066	--	1
Ethylbenzene	ND		mg/kg	0.066	--	1
p/m-Xylene	ND		mg/kg	0.066	--	1
o-Xylene	ND		mg/kg	0.066	--	1
Methyl tert butyl ether	ND		mg/kg	0.033	--	1
Naphthalene	ND		mg/kg	0.132	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	**147**	Q	70-130
2,5-Dibromotoluene-FID	**153**	Q	70-130

Project Name: FORMER NUSTYLE PROPERTY
Project Number: 17356
Lab Number: L2355554
Report Date: 10/05/23

SAMPLE RESULTS

Lab ID:	L2355554-03	Date Collected:	09/19/23 14:00
Client ID:	SB-203 (4-6')	Date Received:	09/21/23
Sample Location:	21 GROVE ST, FRANKLIN, MA	Field Prep:	Not Specified
Sample Depth:			
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	135,EPH-19-2.1	Extraction Date:	09/27/23 05:26
Analytical Date:	10/03/23 01:17	Cleanup Method1:	EPH-19-2.1
Analyst:	SC	Cleanup Date1:	10/01/23
Percent Solids:	91%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Extractable Petroleum Hydrocarbons - Westborough Lab						
C9-C18 Aliphatics	ND		mg/kg	7.06	--	1
C19-C36 Aliphatics	10.1		mg/kg	7.06	--	1
C11-C22 Aromatics	25.2		mg/kg	7.06	--	1
C11-C22 Aromatics, Adjusted	17.6		mg/kg	7.06	--	1
Naphthalene	ND		mg/kg	0.353	--	1
2-Methylnaphthalene	ND		mg/kg	0.353	--	1
Acenaphthylene	ND		mg/kg	0.353	--	1
Acenaphthene	ND		mg/kg	0.353	--	1
Fluorene	ND		mg/kg	0.353	--	1
Phenanthrene	1.48		mg/kg	0.353	--	1
Anthracene	ND		mg/kg	0.353	--	1
Fluoranthene	1.63		mg/kg	0.353	--	1
Pyrene	1.65		mg/kg	0.353	--	1
Benzo(a)anthracene	0.703		mg/kg	0.353	--	1
Chrysene	0.848		mg/kg	0.353	--	1
Benzo(b)fluoranthene	0.738		mg/kg	0.353	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.353	--	1
Benzo(a)pyrene	0.649		mg/kg	0.353	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.353	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.353	--	1
Benzo(ghi)perylene	ND		mg/kg	0.353	--	1

Project Name: FORMER NUSTYLE PROPERTY
Lab Number: L2355554
Project Number: 17356
Report Date: 10/05/23

SAMPLE RESULTS

Lab ID: L2355554-03
Client ID: SB-203 (4-6')
Sample Location: 21 GROVE ST, FRANKLIN, MA
Date Collected: 09/19/23 14:00
Date Received: 09/21/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Extractable Petroleum Hydrocarbons - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	67		40-140
o-Terphenyl	84		40-140
2-Fluorobiphenyl	80		40-140
2-Bromonaphthalene	82		40-140

Project Name: FORMER NUSTYLE PROPERTY
Lab Number: L2355554
Project Number: 17356
Report Date: 10/05/23

SAMPLE RESULTS

Lab ID:	L2355554-04	Date Collected:	09/20/23 10:30
Client ID:	SB-204 (4-6')	Date Received:	09/21/23
Sample Location:	21 GROVE ST, FRANKLIN, MA	Field Prep:	Not Specified
Sample Depth:			
Matrix:	Soil		
Analytical Method:	131,VPH-18-2.1		
Analytical Date:	10/01/23 07:05		
Analyst:	BAD		
Percent Solids:	95%		

Trap:	EST, Carbopack B/Carboxen 1000&1001	Analytical Column:	Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Were samples received in methanol?	Covering the Soil
Methanol ratio:	1:1.5

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		mg/kg	3.87	--	1
C9-C12 Aliphatics	ND		mg/kg	3.87	--	1
C9-C10 Aromatics	ND		mg/kg	3.87	--	1
C5-C8 Aliphatics, Adjusted	ND		mg/kg	3.87	--	1
C9-C12 Aliphatics, Adjusted	ND		mg/kg	3.87	--	1
Benzene	ND		mg/kg	0.078	--	1
Toluene	ND		mg/kg	0.078	--	1
Ethylbenzene	ND		mg/kg	0.078	--	1
p/m-Xylene	ND		mg/kg	0.078	--	1
o-Xylene	ND		mg/kg	0.078	--	1
Methyl tert butyl ether	ND		mg/kg	0.039	--	1
Naphthalene	ND		mg/kg	0.155	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	**134**	Q	70-130
2,5-Dibromotoluene-FID	**138**	Q	70-130

Project Name: FORMER NUSTYLE PROPERTY
Project Number: 17356
Lab Number: L2355554
Report Date: 10/05/23

SAMPLE RESULTS

Lab ID:	L2355554-04	Date Collected:	09/20/23 10:30
Client ID:	SB-204 (4-6')	Date Received:	09/21/23
Sample Location:	21 GROVE ST, FRANKLIN, MA	Field Prep:	Not Specified
Sample Depth:			
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	135,EPH-19-2.1	Extraction Date:	09/27/23 05:26
Analytical Date:	10/03/23 00:42	Cleanup Method1:	EPH-19-2.1
Analyst:	SC	Cleanup Date1:	10/01/23
Percent Solids:	95%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Extractable Petroleum Hydrocarbons - Westborough Lab						
C9-C18 Aliphatics	ND		mg/kg	6.62	--	1
C19-C36 Aliphatics	18.2		mg/kg	6.62	--	1
C11-C22 Aromatics	8.15		mg/kg	6.62	--	1
C11-C22 Aromatics, Adjusted	8.15		mg/kg	6.62	--	1
Naphthalene	ND		mg/kg	0.331	--	1
2-Methylnaphthalene	ND		mg/kg	0.331	--	1
Acenaphthylene	ND		mg/kg	0.331	--	1
Acenaphthene	ND		mg/kg	0.331	--	1
Fluorene	ND		mg/kg	0.331	--	1
Phenanthrene	ND		mg/kg	0.331	--	1
Anthracene	ND		mg/kg	0.331	--	1
Fluoranthene	ND		mg/kg	0.331	--	1
Pyrene	ND		mg/kg	0.331	--	1
Benzo(a)anthracene	ND		mg/kg	0.331	--	1
Chrysene	ND		mg/kg	0.331	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.331	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.331	--	1
Benzo(a)pyrene	ND		mg/kg	0.331	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.331	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.331	--	1
Benzo(ghi)perylene	ND		mg/kg	0.331	--	1

Project Name: FORMER NUSTYLE PROPERTY
Lab Number: L2355554
Project Number: 17356
Report Date: 10/05/23

SAMPLE RESULTS

Lab ID: L2355554-04
Client ID: SB-204 (4-6')
Sample Location: 21 GROVE ST, FRANKLIN, MA
Date Collected: 09/20/23 10:30
Date Received: 09/21/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Extractable Petroleum Hydrocarbons - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	72		40-140
o-Terphenyl	85		40-140
2-Fluorobiphenyl	80		40-140
2-Bromonaphthalene	83		40-140

Project Name: FORMER NUSTYLE PROPERTY
Project Number: 17356
Lab Number: L2355554
Report Date: 10/05/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 135,EPH-19-2.1
Analytical Date: 09/26/23 18:59
Analyst: SC

Extraction Method: EPA 3546
Extraction Date: 09/25/23 15:50
Cleanup Method: EPH-19-2.1
Cleanup Date: 09/26/23

Parameter	Result	Qualifier	Units	RL	MDL
Extractable Petroleum Hydrocarbons - Westborough Lab for sample(s): 01 Batch: WG1831722-1					
C9-C18 Aliphatics	ND		mg/kg	6.26	--
C19-C36 Aliphatics	ND		mg/kg	6.26	--
C11-C22 Aromatics	ND		mg/kg	6.26	--
C11-C22 Aromatics, Adjusted	ND		mg/kg	6.26	--
Naphthalene	ND		mg/kg	0.313	--
2-Methylnaphthalene	ND		mg/kg	0.313	--
Acenaphthylene	ND		mg/kg	0.313	--
Acenaphthene	ND		mg/kg	0.313	--
Fluorene	ND		mg/kg	0.313	--
Phenanthrene	ND		mg/kg	0.313	--
Anthracene	ND		mg/kg	0.313	--
Fluoranthene	ND		mg/kg	0.313	--
Pyrene	ND		mg/kg	0.313	--
Benzo(a)anthracene	ND		mg/kg	0.313	--
Chrysene	ND		mg/kg	0.313	--
Benzo(b)fluoranthene	ND		mg/kg	0.313	--
Benzo(k)fluoranthene	ND		mg/kg	0.313	--
Benzo(a)pyrene	ND		mg/kg	0.313	--
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.313	--
Dibenzo(a,h)anthracene	ND		mg/kg	0.313	--
Benzo(ghi)perylene	ND		mg/kg	0.313	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	66		40-140
o-Terphenyl	58		40-140
2-Fluorobiphenyl	77		40-140
2-Bromonaphthalene	76		40-140

Project Name: FORMER NUSTYLE PROPERTY
Project Number: 17356
Lab Number: L2355554
Report Date: 10/05/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 135,EPH-19-2.1
Analytical Date: 10/02/23 20:37
Analyst: SC

Extraction Method: EPA 3546
Extraction Date: 09/27/23 05:26
Cleanup Method: EPH-19-2.1
Cleanup Date: 10/01/23

Parameter	Result	Qualifier	Units	RL	MDL
Extractable Petroleum Hydrocarbons - Westborough Lab for sample(s): 02-04 Batch: WG1832414-1					
C9-C18 Aliphatics	ND		mg/kg	6.33	--
C19-C36 Aliphatics	ND		mg/kg	6.33	--
C11-C22 Aromatics	ND		mg/kg	6.33	--
C11-C22 Aromatics, Adjusted	ND		mg/kg	6.33	--
Naphthalene	ND		mg/kg	0.316	--
2-Methylnaphthalene	ND		mg/kg	0.316	--
Acenaphthylene	ND		mg/kg	0.316	--
Acenaphthene	ND		mg/kg	0.316	--
Fluorene	ND		mg/kg	0.316	--
Phenanthrene	ND		mg/kg	0.316	--
Anthracene	ND		mg/kg	0.316	--
Fluoranthene	ND		mg/kg	0.316	--
Pyrene	ND		mg/kg	0.316	--
Benzo(a)anthracene	ND		mg/kg	0.316	--
Chrysene	ND		mg/kg	0.316	--
Benzo(b)fluoranthene	ND		mg/kg	0.316	--
Benzo(k)fluoranthene	ND		mg/kg	0.316	--
Benzo(a)pyrene	ND		mg/kg	0.316	--
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.316	--
Dibenzo(a,h)anthracene	ND		mg/kg	0.316	--
Benzo(ghi)perylene	ND		mg/kg	0.316	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	57		40-140
o-Terphenyl	75		40-140
2-Fluorobiphenyl	80		40-140
2-Bromonaphthalene	83		40-140

Project Name: FORMER NUSTYLE PROPERTY **Lab Number:** L2355554

Project Number: 17356 **Report Date:** 10/05/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 131,VPH-18-2.1
Analytical Date: 09/30/23 19:33
Analyst: BAD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Petroleum Hydrocarbons - Westborough Lab for sample(s): 01-04 Batch: WG1835572-4					
C5-C8 Aliphatics	ND		mg/kg	5.00	--
C9-C12 Aliphatics	ND		mg/kg	5.00	--
C9-C10 Aromatics	ND		mg/kg	5.00	--
C5-C8 Aliphatics, Adjusted	ND		mg/kg	5.00	--
C9-C12 Aliphatics, Adjusted	ND		mg/kg	5.00	--
Benzene	ND		mg/kg	0.100	--
Toluene	ND		mg/kg	0.100	--
Ethylbenzene	ND		mg/kg	0.100	--
p/m-Xylene	ND		mg/kg	0.100	--
o-Xylene	ND		mg/kg	0.100	--
Methyl tert butyl ether	ND		mg/kg	0.050	--
Naphthalene	ND		mg/kg	0.200	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	114		70-130
2,5-Dibromotoluene-FID	116		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER NUSTYLE PROPERTY

Project Number: 17356

Lab Number: L2355554

Report Date: 10/05/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01 Batch: WG1831722-2 WG1831722-3								
C9-C18 Aliphatics	62		71		40-140	14		25
C19-C36 Aliphatics	74		82		40-140	10		25
C11-C22 Aromatics	63		58		40-140	8		25
Naphthalene	59		56		40-140	5		25
2-Methylnaphthalene	59		56		40-140	5		25
Acenaphthylene	58		53		40-140	9		25
Acenaphthene	60		55		40-140	9		25
Fluorene	60		55		40-140	9		25
Phenanthrene	60		54		40-140	11		25
Anthracene	60		55		40-140	9		25
Fluoranthene	62		56		40-140	10		25
Pyrene	61		55		40-140	10		25
Benzo(a)anthracene	61		56		40-140	9		25
Chrysene	59		54		40-140	9		25
Benzo(b)fluoranthene	60		54		40-140	11		25
Benzo(k)fluoranthene	56		52		40-140	7		25
Benzo(a)pyrene	62		57		40-140	8		25
Indeno(1,2,3-cd)Pyrene	64		58		40-140	10		25
Dibenzo(a,h)anthracene	63		58		40-140	8		25
Benzo(ghi)perylene	61		55		40-140	10		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER NUSTYLE PROPERTY

Project Number: 17356

Lab Number: L2355554

Report Date: 10/05/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01 Batch: WG1831722-2 WG1831722-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	61		69		40-140
o-Terphenyl	57		51		40-140
2-Fluorobiphenyl	75		61		40-140
2-Bromonaphthalene	76		62		40-140
% Naphthalene Breakthrough	0		0		
% 2-Methylnaphthalene Breakthrough	0		0		

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER NUSTYLE PROPERTY

Project Number: 17356

Lab Number: L2355554

Report Date: 10/05/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 02-04 Batch: WG1832414-2 WG1832414-3								
C9-C18 Aliphatics	59		61		40-140	3		25
C19-C36 Aliphatics	91		101		40-140	10		25
C11-C22 Aromatics	92		102		40-140	10		25
Naphthalene	74		84		40-140	13		25
2-Methylnaphthalene	78		92		40-140	16		25
Acenaphthylene	75		89		40-140	17		25
Acenaphthene	81		95		40-140	16		25
Fluorene	86		99		40-140	14		25
Phenanthrene	88		100		40-140	13		25
Anthracene	88		100		40-140	13		25
Fluoranthene	86		97		40-140	12		25
Pyrene	90		101		40-140	12		25
Benzo(a)anthracene	89		100		40-140	12		25
Chrysene	93		105		40-140	12		25
Benzo(b)fluoranthene	86		97		40-140	12		25
Benzo(k)fluoranthene	82		93		40-140	13		25
Benzo(a)pyrene	91		102		40-140	11		25
Indeno(1,2,3-cd)Pyrene	86		96		40-140	11		25
Dibenzo(a,h)anthracene	83		93		40-140	11		25
Benzo(ghi)perylene	83		93		40-140	11		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER NUSTYLE PROPERTY

Project Number: 17356

Lab Number: L2355554

Report Date: 10/05/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 02-04 Batch: WG1832414-2 WG1832414-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	65		69		40-140
o-Terphenyl	83		89		40-140
2-Fluorobiphenyl	82		86		40-140
2-Bromonaphthalene	84		88		40-140
% Naphthalene Breakthrough	0		0		
% 2-Methylnaphthalene Breakthrough	0		0		

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER NUSTYLE PROPERTY

Project Number: 17356

Lab Number: L2355554

Report Date: 10/05/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-04 Batch: WG1835572-2 WG1835572-3								
C5-C8 Aliphatics	84		87		70-130	3		25
C9-C12 Aliphatics	101		104		70-130	3		25
C9-C10 Aromatics	103		105		70-130	2		25
Benzene	98		100		70-130	2		25
Toluene	100		102		70-130	2		25
Ethylbenzene	101		103		70-130	2		25
p/m-Xylene	100		102		70-130	2		25
o-Xylene	101		103		70-130	2		25
Methyl tert butyl ether	101		104		70-130	3		25
Naphthalene	105		109		70-130	4		25
1,2,4-Trimethylbenzene	103		105		70-130	2		25
Pentane	**68**	Q	71		70-130	3		25
2-Methylpentane	86		88		70-130	3		25
2,2,4-Trimethylpentane	96		99		70-130	3		25
n-Nonane	99		102		30-130	3		25
n-Decane	102		105		70-130	3		25
n-Butylcyclohexane	102		104		70-130	2		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,5-Dibromotoluene-PID	106		107		70-130
2,5-Dibromotoluene-FID	107		108		70-130

METALS

Project Name: FORMER NUSTYLE PROPERTY **Lab Number:** L2355554

Project Number: 17356 **Report Date:** 10/05/23

SAMPLE RESULTS

Lab ID: L2355554-01 Date Collected: 09/18/23 10:00

Client ID: SB-201 (6-8') Date Received: 09/21/23

Sample Location: 21 GROVE ST, FRANKLIN, MA Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.46	--	1	09/26/23 23:08	09/27/23 14:57	EPA 3050B	97,6010D	DMB
Arsenic, Total	1.47		mg/kg	0.491	--	1	09/26/23 23:08	09/27/23 14:57	EPA 3050B	97,6010D	DMB
Barium, Total	41.4		mg/kg	0.491	--	1	09/26/23 23:08	09/27/23 14:57	EPA 3050B	97,6010D	DMB
Beryllium, Total	0.681		mg/kg	0.246	--	1	09/26/23 23:08	09/27/23 14:57	EPA 3050B	97,6010D	DMB
Cadmium, Total	ND		mg/kg	0.491	--	1	09/26/23 23:08	09/27/23 14:57	EPA 3050B	97,6010D	DMB
Chromium, Total	12.5		mg/kg	0.491	--	1	09/26/23 23:08	09/27/23 14:57	EPA 3050B	97,6010D	DMB
Lead, Total	8.93		mg/kg	2.46	--	1	09/26/23 23:08	09/27/23 14:57	EPA 3050B	97,6010D	DMB
Nickel, Total	39.1		mg/kg	1.23	--	1	09/26/23 23:08	09/27/23 14:57	EPA 3050B	97,6010D	DMB
Selenium, Total	ND		mg/kg	2.46	--	1	09/26/23 23:08	09/27/23 14:57	EPA 3050B	97,6010D	DMB
Silver, Total	ND		mg/kg	0.491	--	1	09/26/23 23:08	09/27/23 14:57	EPA 3050B	97,6010D	DMB
Thallium, Total	ND		mg/kg	2.46	--	1	09/26/23 23:08	09/27/23 14:57	EPA 3050B	97,6010D	DMB
Vanadium, Total	15.8		mg/kg	0.491	--	1	09/26/23 23:08	09/27/23 14:57	EPA 3050B	97,6010D	DMB
Zinc, Total	38.2		mg/kg	2.46	--	1	09/26/23 23:08	09/27/23 14:57	EPA 3050B	97,6010D	DMB

Project Name: FORMER NUSTYLE PROPERTY **Lab Number:** L2355554

Project Number: 17356 **Report Date:** 10/05/23

SAMPLE RESULTS

Lab ID: L2355554-02 Date Collected: 09/19/23 09:35

Client ID: SB-202 (10-12') Date Received: 09/21/23

Sample Location: 21 GROVE ST, FRANKLIN, MA Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.16	--	1	09/26/23 23:08	09/27/23 15:02	EPA 3050B	97,6010D	DMB
Arsenic, Total	2.62		mg/kg	0.433	--	1	09/26/23 23:08	09/27/23 15:02	EPA 3050B	97,6010D	DMB
Barium, Total	9.72		mg/kg	0.433	--	1	09/26/23 23:08	09/27/23 15:02	EPA 3050B	97,6010D	DMB
Beryllium, Total	1.51		mg/kg	0.216	--	1	09/26/23 23:08	09/27/23 15:02	EPA 3050B	97,6010D	DMB
Cadmium, Total	ND		mg/kg	0.433	--	1	09/26/23 23:08	09/27/23 15:02	EPA 3050B	97,6010D	DMB
Chromium, Total	6.02		mg/kg	0.433	--	1	09/26/23 23:08	09/27/23 15:02	EPA 3050B	97,6010D	DMB
Lead, Total	14.3		mg/kg	2.16	--	1	09/26/23 23:08	09/27/23 15:02	EPA 3050B	97,6010D	DMB
Nickel, Total	ND		mg/kg	1.08	--	1	09/26/23 23:08	09/27/23 15:02	EPA 3050B	97,6010D	DMB
Selenium, Total	ND		mg/kg	2.16	--	1	09/26/23 23:08	09/27/23 15:02	EPA 3050B	97,6010D	DMB
Silver, Total	ND		mg/kg	0.433	--	1	09/26/23 23:08	09/27/23 15:02	EPA 3050B	97,6010D	DMB
Thallium, Total	ND		mg/kg	2.16	--	1	09/26/23 23:08	09/27/23 15:02	EPA 3050B	97,6010D	DMB
Vanadium, Total	5.21		mg/kg	0.433	--	1	09/26/23 23:08	09/27/23 15:02	EPA 3050B	97,6010D	DMB
Zinc, Total	28.0		mg/kg	2.16	--	1	09/26/23 23:08	09/27/23 15:02	EPA 3050B	97,6010D	DMB

Project Name: FORMER NUSTYLE PROPERTY **Lab Number:** L2355554

Project Number: 17356 **Report Date:** 10/05/23

SAMPLE RESULTS

Lab ID: L2355554-03 Date Collected: 09/19/23 14:00

Client ID: SB-203 (4-6') Date Received: 09/21/23

Sample Location: 21 GROVE ST, FRANKLIN, MA Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.17	--	1	09/26/23 23:08	09/27/23 15:07	EPA 3050B	97,6010D	DMB
Arsenic, Total	6.48		mg/kg	0.434	--	1	09/26/23 23:08	09/27/23 15:07	EPA 3050B	97,6010D	DMB
Barium, Total	55.1		mg/kg	0.434	--	1	09/26/23 23:08	09/27/23 15:07	EPA 3050B	97,6010D	DMB
Beryllium, Total	0.717		mg/kg	0.217	--	1	09/26/23 23:08	09/27/23 15:07	EPA 3050B	97,6010D	DMB
Cadmium, Total	ND		mg/kg	0.434	--	1	09/26/23 23:08	09/27/23 15:07	EPA 3050B	97,6010D	DMB
Chromium, Total	34.7		mg/kg	0.434	--	1	09/26/23 23:08	09/27/23 15:07	EPA 3050B	97,6010D	DMB
Lead, Total	38.6		mg/kg	2.17	--	1	09/26/23 23:08	09/27/23 15:07	EPA 3050B	97,6010D	DMB
Nickel, Total	70.4		mg/kg	1.08	--	1	09/26/23 23:08	09/27/23 15:07	EPA 3050B	97,6010D	DMB
Selenium, Total	ND		mg/kg	2.17	--	1	09/26/23 23:08	09/27/23 15:07	EPA 3050B	97,6010D	DMB
Silver, Total	ND		mg/kg	0.434	--	1	09/26/23 23:08	09/27/23 15:07	EPA 3050B	97,6010D	DMB
Thallium, Total	ND		mg/kg	2.17	--	1	09/26/23 23:08	09/27/23 15:07	EPA 3050B	97,6010D	DMB
Vanadium, Total	22.3		mg/kg	0.434	--	1	09/26/23 23:08	09/27/23 15:07	EPA 3050B	97,6010D	DMB
Zinc, Total	54.4		mg/kg	2.17	--	1	09/26/23 23:08	09/27/23 15:07	EPA 3050B	97,6010D	DMB

Project Name: FORMER NUSTYLE PROPERTY **Lab Number:** L2355554

Project Number: 17356 **Report Date:** 10/05/23

SAMPLE RESULTS

Lab ID: L2355554-04 Date Collected: 09/20/23 10:30

Client ID: SB-204 (4-6') Date Received: 09/21/23

Sample Location: 21 GROVE ST, FRANKLIN, MA Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.05	--	1	09/26/23 23:08	09/27/23 15:11	EPA 3050B	97,6010D	DMB
Arsenic, Total	1.48		mg/kg	0.410	--	1	09/26/23 23:08	09/27/23 15:11	EPA 3050B	97,6010D	DMB
Barium, Total	13.7		mg/kg	0.410	--	1	09/26/23 23:08	09/27/23 15:11	EPA 3050B	97,6010D	DMB
Beryllium, Total	1.28		mg/kg	0.205	--	1	09/26/23 23:08	09/27/23 15:11	EPA 3050B	97,6010D	DMB
Cadmium, Total	ND		mg/kg	0.410	--	1	09/26/23 23:08	09/27/23 15:11	EPA 3050B	97,6010D	DMB
Chromium, Total	3.46		mg/kg	0.410	--	1	09/26/23 23:08	09/27/23 15:11	EPA 3050B	97,6010D	DMB
Lead, Total	8.07		mg/kg	2.05	--	1	09/26/23 23:08	09/27/23 15:11	EPA 3050B	97,6010D	DMB
Nickel, Total	1.88		mg/kg	1.02	--	1	09/26/23 23:08	09/27/23 15:11	EPA 3050B	97,6010D	DMB
Selenium, Total	ND		mg/kg	2.05	--	1	09/26/23 23:08	09/27/23 15:11	EPA 3050B	97,6010D	DMB
Silver, Total	ND		mg/kg	0.410	--	1	09/26/23 23:08	09/27/23 15:11	EPA 3050B	97,6010D	DMB
Thallium, Total	ND		mg/kg	2.05	--	1	09/26/23 23:08	09/27/23 15:11	EPA 3050B	97,6010D	DMB
Vanadium, Total	4.20		mg/kg	0.410	--	1	09/26/23 23:08	09/27/23 15:11	EPA 3050B	97,6010D	DMB
Zinc, Total	19.1		mg/kg	2.05	--	1	09/26/23 23:08	09/27/23 15:11	EPA 3050B	97,6010D	DMB

Project Name: FORMER NUSTYLE PROPERTY
Project Number: 17356
Lab Number: L2355554
Report Date: 10/05/23

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1831760-1										
Antimony, Total	ND		mg/kg	2.00	--	1	09/26/23 23:08	09/27/23 12:55	97,6010D	DMB
Arsenic, Total	ND		mg/kg	0.400	--	1	09/26/23 23:08	09/27/23 12:55	97,6010D	DMB
Barium, Total	ND		mg/kg	0.400	--	1	09/26/23 23:08	09/27/23 12:55	97,6010D	DMB
Beryllium, Total	ND		mg/kg	0.200	--	1	09/26/23 23:08	09/27/23 12:55	97,6010D	DMB
Cadmium, Total	ND		mg/kg	0.400	--	1	09/26/23 23:08	09/27/23 12:55	97,6010D	DMB
Chromium, Total	ND		mg/kg	0.400	--	1	09/26/23 23:08	09/27/23 12:55	97,6010D	DMB
Lead, Total	ND		mg/kg	2.00	--	1	09/26/23 23:08	09/27/23 12:55	97,6010D	DMB
Nickel, Total	ND		mg/kg	1.00	--	1	09/26/23 23:08	09/27/23 12:55	97,6010D	DMB
Selenium, Total	ND		mg/kg	2.00	--	1	09/26/23 23:08	09/27/23 12:55	97,6010D	DMB
Silver, Total	ND		mg/kg	0.400	--	1	09/26/23 23:08	09/27/23 12:55	97,6010D	DMB
Thallium, Total	ND		mg/kg	2.00	--	1	09/26/23 23:08	09/27/23 12:55	97,6010D	DMB
Vanadium, Total	ND		mg/kg	0.400	--	1	09/26/23 23:08	09/27/23 12:55	97,6010D	DMB
Zinc, Total	ND		mg/kg	2.00	--	1	09/26/23 23:08	09/27/23 12:55	97,6010D	DMB

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER NUSTYLE PROPERTY

Project Number: 17356

Lab Number: L2355554

Report Date: 10/05/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1831760-2 WG1831760-3 SRM Lot Number: D119-540								
Antimony, Total	132		136		10-190	3		30
Arsenic, Total	100		100		83-117	0		30
Barium, Total	98		98		82-118	0		30
Beryllium, Total	101		100		83-117	1		30
Cadmium, Total	90		86		82-117	5		30
Chromium, Total	100		98		82-119	2		30
Lead, Total	97		98		82-118	1		30
Nickel, Total	96		93		82-117	3		30
Selenium, Total	108		107		79-121	1		30
Silver, Total	103		102		80-120	1		30
Thallium, Total	96		96		81-119	0		30
Vanadium, Total	96		96		79-121	0		30
Zinc, Total	100		98		80-120	2		30

INORGANICS
&
MISCELLANEOUS

Project Name: FORMER NUSTYLE PROPERTY
Project Number: 17356
Lab Number: L2355554
Report Date: 10/05/23

SAMPLE RESULTS

Lab ID: L2355554-01
Client ID: SB-201 (6-8')
Sample Location: 21 GROVE ST, FRANKLIN, MA
Sample Depth:
Matrix: Soil

Date Collected: 09/18/23 10:00
Date Received: 09/21/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.0		%	0.100	NA	1	-	09/22/23 12:49	121,2540G	ROI

Project Name: FORMER NUSTYLE PROPERTY
Project Number: 17356
Lab Number: L2355554
Report Date: 10/05/23

SAMPLE RESULTS

Lab ID: L2355554-02
Client ID: SB-202 (10-12')
Sample Location: 21 GROVE ST, FRANKLIN, MA
Sample Depth:
Matrix: Soil

Date Collected: 09/19/23 09:35
Date Received: 09/21/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.0		%	0.100	NA	1	-	09/22/23 12:49	121,2540G	ROI

Project Name: FORMER NUSTYLE PROPERTY
Project Number: 17356
Lab Number: L2355554
Report Date: 10/05/23

SAMPLE RESULTS

Lab ID: L2355554-03
Client ID: SB-203 (4-6')
Sample Location: 21 GROVE ST, FRANKLIN, MA
Sample Depth:
Matrix: Soil

Date Collected: 09/19/23 14:00
Date Received: 09/21/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.1		%	0.100	NA	1	-	09/22/23 12:49	121,2540G	ROI

Project Name: FORMER NUSTYLE PROPERTY
Project Number: 17356
Lab Number: L2355554
Report Date: 10/05/23

SAMPLE RESULTS

Lab ID: L2355554-04
Client ID: SB-204 (4-6')
Sample Location: 21 GROVE ST, FRANKLIN, MA
Sample Depth:
Matrix: Soil

Date Collected: 09/20/23 10:30
Date Received: 09/21/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.0		%	0.100	NA	1	-	09/22/23 13:07	121,2540G	ROI

Project Name: FORMER NUSTYLE PROPERTY
Project Number: 17356

Lab Number: L2355554
Report Date: 10/05/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2355554-01A	Vial MeOH preserved	A	NA		5.5	Y	Absent		VPH-DELUX-18(28)
L2355554-01B	Vial MeOH preserved	A	NA		5.5	Y	Absent		MCP-8260HLW-21(14)
L2355554-01C	Vial water preserved	A	NA		5.5	Y	Absent	18-SEP-23 16:00	MCP-8260HLW-21(14)
L2355554-01D	Vial water preserved	A	NA		5.5	Y	Absent	18-SEP-23 16:00	MCP-8260HLW-21(14)
L2355554-01E	Plastic 2oz unpreserved for TS	A	NA		5.5	Y	Absent		TS(7)
L2355554-01E1	Plastic 2oz unpreserved for TS	A	NA		5.5	Y	Absent		TS(7)
L2355554-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2355554-01G	Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14)
L2355554-02A	Vial MeOH preserved	A	NA		5.5	Y	Absent		VPH-DELUX-18(28)
L2355554-02B	Vial MeOH preserved	A	NA		5.5	Y	Absent		MCP-8260HLW-21(14)
L2355554-02C	Vial water preserved	A	NA		5.5	Y	Absent	19-SEP-23 16:00	MCP-8260HLW-21(14)
L2355554-02D	Vial water preserved	A	NA		5.5	Y	Absent	19-SEP-23 16:00	MCP-8260HLW-21(14)
L2355554-02E	Plastic 2oz unpreserved for TS	A	NA		5.5	Y	Absent		TS(7)
L2355554-02E1	Plastic 2oz unpreserved for TS	A	NA		5.5	Y	Absent		TS(7)
L2355554-02F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-SB-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2355554-02G	Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14)

*Values in parentheses indicate holding time in days

Project Name: FORMER NUSTYLE PROPERTY
Project Number: 17356

Lab Number: L2355554
Report Date: 10/05/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2355554-03A	Vial MeOH preserved	A	NA		5.5	Y	Absent		VPH-DELUX-18(28)
L2355554-03B	Vial MeOH preserved	A	NA		5.5	Y	Absent		MCP-8260HLW-21(14)
L2355554-03C	Vial water preserved	A	NA		5.5	Y	Absent	19-SEP-23 16:00	MCP-8260HLW-21(14)
L2355554-03D	Vial water preserved	A	NA		5.5	Y	Absent	19-SEP-23 16:00	MCP-8260HLW-21(14)
L2355554-03E	Plastic 2oz unpreserved for TS	A	NA		5.5	Y	Absent		TS(7)
L2355554-03E1	Plastic 2oz unpreserved for TS	A	NA		5.5	Y	Absent		TS(7)
L2355554-03F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SB-6010T-10(180),MCP-AG-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2355554-03G	Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14)
L2355554-04A	Vial MeOH preserved	A	NA		5.5	Y	Absent		VPH-DELUX-18(28)
L2355554-04B	Vial MeOH preserved	A	NA		5.5	Y	Absent		MCP-8260HLW-21(14)
L2355554-04C	Vial water preserved	A	NA		5.5	Y	Absent	20-SEP-23 16:00	MCP-8260HLW-21(14)
L2355554-04D	Vial water preserved	A	NA		5.5	Y	Absent	20-SEP-23 16:00	MCP-8260HLW-21(14)
L2355554-04E	Plastic 2oz unpreserved for TS	A	NA		5.5	Y	Absent		TS(7)
L2355554-04E1	Plastic 2oz unpreserved for TS	A	NA		5.5	Y	Absent		TS(7)
L2355554-04F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SB-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2355554-04G	Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14)

*Values in parentheses indicate holding time in days

Project Name:	FORMER NUSTYLE PROPERTY	**Lab Number:**	L2355554
Project Number:	17356	**Report Date:**	10/05/23

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	FORMER NUSTYLE PROPERTY	**Lab Number:**	L2355554
Project Number:	17356	**Report Date:**	10/05/23

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report

Project Name:	FORMER NUSTYLE PROPERTY	**Lab Number:**	L2355554
Project Number:	17356	**Report Date:**	10/05/23

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

Project Name:	FORMER NUSTYLE PROPERTY	**Lab Number:**	L2355554
Project Number:	17356	**Report Date:**	10/05/23

REFERENCES

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

131 Method for the Determination of Volatile Petroleum Hydrocarbons (VPH), MassDEP, February 2018, Revision 2.1 with QC Requirements & Performance Standards for the Analysis of VPH under the Massachusetts Contingency Plan, WSC-CAM-IVA, June 1, 2018.

135 Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), MassDEP, December 2019, Revision 2.1 with QC Requirements & Performance Standards for the Analysis of EPH under the Massachusetts Contingency Plan, WSC-CAM-IVB, March 1, 2020.

141 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA and IIB, November 2021.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9/21/23

ALPHA Job #: L2355554

ALPHA ANALYTICAL
World Class Chemistry
8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Project Information

Project Name: Nustyle Property (Former)
Project Location: 21 Grove St, Franklin, MA
Project #: 17356
Project Manager: Dan Curran
ALPHA Quote #:

Report Information - Data Deliverables

☒ ADEx ☒ EMAIL

Billing Information

☐ Same as Client info PO #:

Client Information

Client: Verdantas LLC
Address: 273 West Main St, Norton, MA
Phone: 802-379-3399
Email: dtcurran@verdantas.com

Regulatory Requirements & Project Information Requirements

☒ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria S-1, S-2, S-3, GW-2, GW-3

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due:

Additional Project Information:

SB-201 Di VOA's frozen on 9/18/23 at 16:00
SB-202 and SB-203 Di VOA's frozen on 9/19/23 at 16:00
SB-204 Di VOA's frozen on 9/20/23 at 16:00

ANALYSIS

VOC: ☒ 8260 ☐ 624 ☐ 524.2
SVOC: ☐ ABN ☐ PAH
METALS: ☒ MCP 13 ☐ MCP 14 ☐ RCP 15
METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13
EPH: ☐ Ranges & Targets ☐ Ranges Only
VPH: ☒ Ranges & Targets ☐ Ranges Only
☐ PCB ☐ PEST
TPH: ☐ Quant Only ☐ Fingerprint
EPH: Ranges + PAH targets only
Total Solids

SAMPLE INFO
Filtration ☐ Field ☐ Lab to do
Preservation ☐ Lab to do

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC	SVOC	METALS	METALS	EPH	VPH	PCB	TPH	EPH: Ranges + PAH targets only	Total Solids	Sample Comments	TOTAL # BOTTLES
5554-01	SB-201 (6-8')	9/18/23	10:00	Soil	DD	X		X			X			X	X		8
02	SB-202 (10-12')	9/19/23	9:35			X		X			X			X	X		8
03	SB-203 (4-6')	9/19/23	14:00			X		X			X			X	X		8
04	SB-204 (4-6')	9/20/23	10:30	↓	↓	X		X			X			X	X		8

O=Di water

Container Type	V		A			V			A	P							
Preservative	F/O		A			F			A	A							

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
	9/20/23 17:00		9.21.14:35
	9.21. ~~14:05~~ 19:05		9/21 1905

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

Method Blank Summary
Form 4
Volatiles

Client	: Verdantas	**Lab Number**	: L2355554
Project Name	: FORMER NUSTYLE PROPERTY	**Project Number**	: 17356
Lab Sample ID	: WG1834584-5	**Lab File ID**	: V10231001A04
Instrument ID	: VOA110		
Matrix	: SOIL	**Analysis Date**	: 10/01/23 17:58

Client Sample No.	Lab Sample ID	Analysis Date
WG1834584-3LCS	WG1834584-3	10/01/23 16:38
WG1834584-4LCSD	WG1834584-4	10/01/23 17:04
SB-201 (6-8')	L2355554-01	10/01/23 19:47
SB-202 (10-12')	L2355554-02	10/01/23 20:15
SB-203 (4-6')	L2355554-03	10/01/23 20:42
SB-204 (4-6')	L2355554-04	10/01/23 21:09

Calibration Verification Summary
Form 7
Volatiles

Client	: Verdantas		**Lab Number**	: L2355554	
Project Name	: FORMER NUSTYLE PROPERTY		**Project Number**	: 17356	
Instrument ID	: VOA110		**Calibration Date**	: 10/01/23 16:38	
Lab File ID	: V10231001A01		**Init. Calib. Date(s)**	: 09/18/23	09/18/23
Sample No	: WG1834584-2		**Init. Calib. Times**	: 14:10	18:42
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	96	0
Dichlorodifluoromethane	0.346	0.312	-	9.8	20	90	0
Chloromethane	0.41	0.393	-	4.1	20	94	0
Vinyl chloride	0.348	0.368	-	-5.7	20	101	0
Bromomethane	0.211	0.195	-	7.6	20	93	0
Chloroethane	0.222	0.227	-	-2.3	20	99	0
Trichlorofluoromethane	0.364	0.38	-	-4.4	20	103	0
Ethyl ether	0.184	0.168	-	8.7	20	85	0
1,1-Dichloroethene	0.246	0.246	-	0	20	97	0
Carbon disulfide	0.934	0.882	-	5.6	20	98	0
Freon-113	0.257	0.269	-	-4.7	20	100	0
Acrolein	0.057	0.056	-	1.8	20	91	0
Methylene chloride	0.286	0.258	-	9.8	20	85	0
Acetone	40	37.867	-	5.3	20	94	0
trans-1,2-Dichloroethene	0.279	0.269	-	3.6	20	92	0
Methyl acetate	0.316	0.318	-	-0.6	20	88	0
Methyl tert-butyl ether	0.996	0.885	-	11.1	20	81	0
tert-Butyl alcohol	0.056	0.045	-	19.6	20	73	0
Diisopropyl ether	1.18	1.186	-	-0.5	20	89	0
1,1-Dichloroethane	0.554	0.525	-	5.2	20	88	0
Halothane	0.217	0.2	-	7.8	20	88	0
Acrylonitrile	0.134	0.108	-	19.4	20	80	0
Ethyl tert-butyl ether	1.07	1.006	-	6	20	83	0
Vinyl acetate	0.728	0.729	-	-0.1	20	91	0
cis-1,2-Dichloroethene	0.322	0.282	-	12.4	20	83	0
2,2-Dichloropropane	0.447	0.44	-	1.6	20	96	0
Bromochloromethane	0.149	0.123	-	17.4	20	76	0
Cyclohexane	0.559	0.597	-	-6.8	20	103	0
Chloroform	0.487	0.449	-	7.8	20	84	0
Ethyl acetate	0.413	0.379	-	8.2	20	82	0
Carbon tetrachloride	40	34.46	-	13.8	20	92	0
Tetrahydrofuran	0.131	0.116	-	11.5	20	85	0
Dibromofluoromethane	0.286	0.25	-	12.6	20	86	0
1,1,1-Trichloroethane	0.457	0.408	-	10.7	20	90	0
2-Butanone	0.191	0.166	-	13.1	20	83	0
1,1-Dichloropropene	0.397	0.378	-	4.8	20	94	0
Benzene	1.152	1.073	-	6.9	20	88	0
tert-Amyl methyl ether	0.94	0.842	-	10.4	20	80	0
1,2-Dichloroethane-d4	0.348	0.319	-	8.3	20	90	0
1,2-Dichloroethane	0.431	0.375	-	13	20	79	0
Methyl cyclohexane	0.519	0.517	-	0.4	20	93	0
Trichloroethene	40	36.882	-	7.8	20	88	0
Dibromomethane	0.181	0.148	-	18.2	20	76	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Verdantas		**Lab Number**	: L2355554	
Project Name	: FORMER NUSTYLE PROPERTY		**Project Number**	: 17356	
Instrument ID	: VOA110		**Calibration Date**	: 10/01/23 16:38	
Lab File ID	: V10231001A01		**Init. Calib. Date(s)**	: 09/18/23	09/18/23
Sample No	: WG1834584-2		**Init. Calib. Times**	: 14:10	18:42
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.313	0.291	-	7	20	85	0
2-Chloroethyl vinyl ether	0.203	0.178	-	12.3	20	75	0
Bromodichloromethane	40	35.645	-	10.9	20	81	0
1,4-Dioxane	0.00387	0.00276*	-	28.7*	20	66	0
cis-1,3-Dichloropropene	0.501	0.44	-	12.2	20	80	0
Chlorobenzene-d5	1	1	-	0	20	89	0
Toluene-d8	1.18	1.191	-	-0.9	20	90	0
Toluene	0.758	0.74	-	2.4	20	86	0
4-Methyl-2-pentanone	0.15	0.138	-	8	20	80	0
Tetrachloroethene	0.3	0.292	-	2.7	20	84	0
trans-1,3-Dichloropropene	0.469	0.455	-	3	20	80	0
Ethyl methacrylate	0.404	0.386	-	4.5	20	76	0
1,1,2-Trichloroethane	0.239	0.215	-	10	20	81	0
Chlorodibromomethane	0.315	0.28	-	11.1	20	75	0
1,3-Dichloropropane	0.459	0.447	-	2.6	20	80	0
1,2-Dibromoethane	0.275	0.254	-	7.6	20	76	0
2-Hexanone	0.294	0.277	-	5.8	20	78	0
Chlorobenzene	0.838	0.777	-	7.3	20	80	0
Ethylbenzene	1.442	1.433	-	0.6	20	86	0
1,1,1,2-Tetrachloroethane	0.304	0.282	-	7.2	20	77	0
p/m Xylene	80	79.393	-	0.8	20	84	0
o Xylene	0.573	0.533	-	7	20	82	0
Styrene	0.954	0.911	-	4.5	20	79	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	90	0
Bromoform	0.35	0.3	-	14.3	20	71	0
Isopropylbenzene	2.459	2.5	-	-1.7	20	86	0
4-Bromofluorobenzene	0.837	0.887	-	-6	20	96	0
Bromobenzene	0.618	0.584	-	5.5	20	79	0
n-Propylbenzene	2.868	3.186	-	-11.1	20	94	0
1,4-Dichlorobutane	0.945	0.993	-	-5.1	20	87	0
1,1,2,2-Tetrachloroethane	0.673	0.657	-	2.4	20	86	0
4-Ethyltoluene	2.505	2.633	-	-5.1	20	89	0
2-Chlorotoluene	1.696	1.778	-	-4.8	20	88	0
1,3,5-Trimethylbenzene	2.118	2.173	-	-2.6	20	87	0
1,2,3-Trichloropropane	0.534	0.523	-	2.1	20	83	0
trans-1,4-Dichloro-2-buten	0.254	0.261	-	-2.8	20	87	0
4-Chlorotoluene	1.787	1.866	-	-4.4	20	88	0
tert-Butylbenzene	1.822	1.91	-	-4.8	20	87	0
1,2,4-Trimethylbenzene	2.106	2.119	-	-0.6	20	86	0
sec-Butylbenzene	2.693	2.936	-	-9	20	90	0
p-Isopropyltoluene	2.403	2.508	-	-4.4	20	87	0
1,3-Dichlorobenzene	1.184	1.165	-	1.6	20	81	0
1,4-Dichlorobenzene	1.218	1.185	-	2.7	20	83	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Verdantas		**Lab Number**	: L2355554	
Project Name	: FORMER NUSTYLE PROPERTY		**Project Number**	: 17356	
Instrument ID	: VOA110		**Calibration Date**	: 10/01/23 16:38	
Lab File ID	: V10231001A01		**Init. Calib. Date(s)**	: 09/18/23	09/18/23
Sample No	: WG1834584-2		**Init. Calib. Times**	: 14:10	18:42
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.466	1.539	-	-5	20	87	0
n-Butylbenzene	2.023	2.291	-	-13.2	20	93	0
1,2-Dichlorobenzene	1.147	1.102	-	3.9	20	79	0
1,2,4,5-Tetramethylbenzene	2.337	2.413	-	-3.3	20	86	0
1,2-Dibromo-3-chloropropan	0.126	0.103	-	18.3	20	69	0
1,3,5-Trichlorobenzene	0.867	0.877	-	-1.2	20	84	0
Hexachlorobutadiene	0.386	0.372	-	3.6	20	80	0
1,2,4-Trichlorobenzene	0.79	0.77	-	2.5	20	81	0
Naphthalene	2.316	2.144	-	7.4	20	78	0
1,2,3-Trichlorobenzene	0.76	0.73	-	3.9	20	80	0

*** Value outside of QC limits.**

ANALYTICAL REPORT

Lab Number:	L2356258
Client:	Verdantas 1005 Main Street Suite 8120 Pawtucket, RI 02860
ATTN:	Daniel Curran
Phone:	(401) 648-8647
Project Name:	NUSTYLE
Project Number:	17356
Report Date:	10/04/23

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: NUSTYLE
Project Number: 17356

Lab Number: L2356258
Report Date: 10/04/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2356258-01	SED-101	SOIL	21 GROVE ST, FRANKLIN, MA	09/22/23 10:00	09/25/23
L2356258-02	SED-102	SOIL	21 GROVE ST, FRANKLIN, MA	09/22/23 10:15	09/25/23
L2356258-03	SED-103	SOIL	21 GROVE ST, FRANKLIN, MA	09/22/23 10:30	09/25/23
L2356258-04	SED-104	SOIL	21 GROVE ST, FRANKLIN, MA	09/22/23 10:45	09/25/23

Project Name:	NUSTYLE	**Lab Number:**	L2356258
Project Number:	17356	**Report Date:**	10/04/23

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	YES
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name:	NUSTYLE	**Lab Number:**	L2356258
Project Number:	17356	**Report Date:**	10/04/23

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	NUSTYLE	**Lab Number:**	L2356258
Project Number:	17356	**Report Date:**	10/04/23

Case Narrative (continued)

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Metals.

Volatile Organics

L2356258-01 through -04: Initial calibration utilized a quadratic fit for: trichloroethene, bromodichloromethane, p/m xylene

In reference to question H:

L2356258-01 through -04: Initial Calibration did not meet:

Lowest Calibration Standard Minimum Response Factor: 1,4-dioxane (0.0029)

Average Response Factor: 1,4-dioxane

L2356258-01 through -04: The associated continuing calibration standard is outside the acceptance criteria for several compounds; however, it is within overall method allowances. Associated results are considered to be biased high if the %D is negative and biased low if the %D is positive. A copy of the continuing calibration standard is included as an addendum to this report.

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. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 10/04/23

QC OUTLIER SUMMARY REPORT

Project Name: NUSTYLE
Project Number: 17356

Lab Number: L2356258
Report Date: 10/04/23

Method	Client ID (Native ID)	Lab ID	Parameter	QC Type	Recovery/RPD (%)	QC Limits (%)	Associated Samples	Data Quality Assessment

There are no QC Outliers associated with this report.

ORGANICS

VOLATILES

Project Name: NUSTYLE **Lab Number:** L2356258

Project Number: 17356 **Report Date:** 10/04/23

SAMPLE RESULTS

Lab ID: L2356258-01
Client ID: SED-101
Sample Location: 21 GROVE ST, FRANKLIN, MA

Date Collected: 09/22/23 10:00
Date Received: 09/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 141,8260D
Analytical Date: 10/01/23 23:24
Analyst: AJK
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.4	--	1
1,1-Dichloroethane	ND		ug/kg	0.69	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.69	--	1
1,2-Dichloropropane	ND		ug/kg	0.69	--	1
Dibromochloromethane	ND		ug/kg	0.69	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.69	--	1
Tetrachloroethene	ND		ug/kg	0.34	--	1
Chlorobenzene	ND		ug/kg	0.34	--	1
Trichlorofluoromethane	ND		ug/kg	2.8	--	1
1,2-Dichloroethane	ND		ug/kg	0.69	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.34	--	1
Bromodichloromethane	ND		ug/kg	0.34	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.69	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.34	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.34	--	1
1,1-Dichloropropene	ND		ug/kg	0.34	--	1
Bromoform	ND		ug/kg	2.8	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.34	--	1
Benzene	ND		ug/kg	0.34	--	1
Toluene	ND		ug/kg	0.69	--	1
Ethylbenzene	ND		ug/kg	0.69	--	1
Chloromethane	ND		ug/kg	2.8	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	0.69	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.69	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	--	1

Project Name: NUSTYLE **Lab Number:** L2356258

Project Number: 17356 **Report Date:** 10/04/23

SAMPLE RESULTS

Lab ID: L2356258-01 Date Collected: 09/22/23 10:00

Client ID: SED-101 Date Received: 09/25/23

Sample Location: 21 GROVE ST, FRANKLIN, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.34	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	0.69	--	1
Xylenes, Total	ND		ug/kg	0.69	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.69	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.69	--	1
Dibromomethane	ND		ug/kg	1.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	0.69	--	1
Dichlorodifluoromethane	ND		ug/kg	6.9	--	1
Acetone	27		ug/kg	17	--	1
Carbon disulfide	ND		ug/kg	6.9	--	1
Methyl ethyl ketone	ND		ug/kg	6.9	--	1
Methyl isobutyl ketone	ND		ug/kg	6.9	--	1
2-Hexanone	ND		ug/kg	6.9	--	1
Bromochloromethane	ND		ug/kg	1.4	--	1
Tetrahydrofuran	ND		ug/kg	2.8	--	1
2,2-Dichloropropane	ND		ug/kg	1.4	--	1
1,2-Dibromoethane	ND		ug/kg	0.69	--	1
1,3-Dichloropropane	ND		ug/kg	1.4	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.34	--	1
Bromobenzene	ND		ug/kg	1.4	--	1
n-Butylbenzene	ND		ug/kg	0.69	--	1
sec-Butylbenzene	ND		ug/kg	0.69	--	1
tert-Butylbenzene	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	1.4	--	1
p-Chlorotoluene	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.1	--	1
Hexachlorobutadiene	ND		ug/kg	2.8	--	1
Isopropylbenzene	ND		ug/kg	0.69	--	1
p-Isopropyltoluene	ND		ug/kg	0.69	--	1
Naphthalene	ND		ug/kg	2.8	--	1
n-Propylbenzene	ND		ug/kg	0.69	--	1

Project Name: NUSTYLE **Lab Number:** L2356258

Project Number: 17356 **Report Date:** 10/04/23

SAMPLE RESULTS

Lab ID: L2356258-01 Date Collected: 09/22/23 10:00

Client ID: SED-101 Date Received: 09/25/23

Sample Location: 21 GROVE ST, FRANKLIN, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	--	1
Diethyl ether	ND		ug/kg	1.4	--	1
Diisopropyl Ether	ND		ug/kg	1.4	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.4	--	1
1,4-Dioxane	ND		ug/kg	55	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	98		70-130

Project Name: NUSTYLE **Lab Number:** L2356258

Project Number: 17356 **Report Date:** 10/04/23

SAMPLE RESULTS

Lab ID: L2356258-02
Client ID: SED-102
Sample Location: 21 GROVE ST, FRANKLIN, MA

Date Collected: 09/22/23 10:15
Date Received: 09/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 141,8260D
Analytical Date: 10/01/23 23:52
Analyst: AJK
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.1	--	1
1,1-Dichloroethane	ND		ug/kg	0.62	--	1
Chloroform	ND		ug/kg	0.93	--	1
Carbon tetrachloride	ND		ug/kg	0.62	--	1
1,2-Dichloropropane	ND		ug/kg	0.62	--	1
Dibromochloromethane	ND		ug/kg	0.62	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.62	--	1
Tetrachloroethene	ND		ug/kg	0.31	--	1
Chlorobenzene	ND		ug/kg	0.31	--	1
Trichlorofluoromethane	ND		ug/kg	2.5	--	1
1,2-Dichloroethane	ND		ug/kg	0.62	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.31	--	1
Bromodichloromethane	ND		ug/kg	0.31	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.62	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.31	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.31	--	1
1,1-Dichloropropene	ND		ug/kg	0.31	--	1
Bromoform	ND		ug/kg	2.5	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.31	--	1
Benzene	ND		ug/kg	0.31	--	1
Toluene	ND		ug/kg	0.62	--	1
Ethylbenzene	ND		ug/kg	0.62	--	1
Chloromethane	ND		ug/kg	2.5	--	1
Bromomethane	ND		ug/kg	1.2	--	1
Vinyl chloride	ND		ug/kg	0.62	--	1
Chloroethane	ND		ug/kg	1.2	--	1
1,1-Dichloroethene	ND		ug/kg	0.62	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.93	--	1

Project Name: NUSTYLE **Lab Number:** L2356258

Project Number: 17356 **Report Date:** 10/04/23

SAMPLE RESULTS

Lab ID: L2356258-02 Date Collected: 09/22/23 10:15

Client ID: SED-102 Date Received: 09/25/23

Sample Location: 21 GROVE ST, FRANKLIN, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.31	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.2	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.2	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.2	--	1
Methyl tert butyl ether	ND		ug/kg	1.2	--	1
p/m-Xylene	ND		ug/kg	1.2	--	1
o-Xylene	ND		ug/kg	0.62	--	1
Xylenes, Total	ND		ug/kg	0.62	--	1
cis-1,2-Dichloroethene	0.63		ug/kg	0.62	--	1
1,2-Dichloroethene, Total	0.63		ug/kg	0.62	--	1
Dibromomethane	ND		ug/kg	1.2	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.2	--	1
Styrene	ND		ug/kg	0.62	--	1
Dichlorodifluoromethane	ND		ug/kg	6.2	--	1
Acetone	21		ug/kg	16	--	1
Carbon disulfide	ND		ug/kg	6.2	--	1
Methyl ethyl ketone	ND		ug/kg	6.2	--	1
Methyl isobutyl ketone	ND		ug/kg	6.2	--	1
2-Hexanone	ND		ug/kg	6.2	--	1
Bromochloromethane	ND		ug/kg	1.2	--	1
Tetrahydrofuran	ND		ug/kg	2.5	--	1
2,2-Dichloropropane	ND		ug/kg	1.2	--	1
1,2-Dibromoethane	ND		ug/kg	0.62	--	1
1,3-Dichloropropane	ND		ug/kg	1.2	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.31	--	1
Bromobenzene	ND		ug/kg	1.2	--	1
n-Butylbenzene	ND		ug/kg	0.62	--	1
sec-Butylbenzene	ND		ug/kg	0.62	--	1
tert-Butylbenzene	ND		ug/kg	1.2	--	1
o-Chlorotoluene	ND		ug/kg	1.2	--	1
p-Chlorotoluene	ND		ug/kg	1.2	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.9	--	1
Hexachlorobutadiene	ND		ug/kg	2.5	--	1
Isopropylbenzene	ND		ug/kg	0.62	--	1
p-Isopropyltoluene	ND		ug/kg	0.62	--	1
Naphthalene	ND		ug/kg	2.5	--	1
n-Propylbenzene	ND		ug/kg	0.62	--	1

Project Name: NUSTYLE **Lab Number:** L2356258

Project Number: 17356 **Report Date:** 10/04/23

SAMPLE RESULTS

Lab ID: L2356258-02 Date Collected: 09/22/23 10:15

Client ID: SED-102 Date Received: 09/25/23

Sample Location: 21 GROVE ST, FRANKLIN, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.2	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.2	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.2	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.2	--	1
Diethyl ether	ND		ug/kg	1.2	--	1
Diisopropyl Ether	ND		ug/kg	1.2	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.2	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.2	--	1
1,4-Dioxane	ND		ug/kg	50	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: NUSTYLE **Lab Number:** L2356258

Project Number: 17356 **Report Date:** 10/04/23

SAMPLE RESULTS

Lab ID: L2356258-03
Client ID: SED-103
Sample Location: 21 GROVE ST, FRANKLIN, MA

Date Collected: 09/22/23 10:30
Date Received: 09/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 141,8260D
Analytical Date: 10/02/23 00:19
Analyst: AJK
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	2.8	--	1
1,1-Dichloroethane	ND		ug/kg	0.56	--	1
Chloroform	ND		ug/kg	0.84	--	1
Carbon tetrachloride	ND		ug/kg	0.56	--	1
1,2-Dichloropropane	ND		ug/kg	0.56	--	1
Dibromochloromethane	ND		ug/kg	0.56	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.56	--	1
Tetrachloroethene	ND		ug/kg	0.28	--	1
Chlorobenzene	ND		ug/kg	0.28	--	1
Trichlorofluoromethane	ND		ug/kg	2.2	--	1
1,2-Dichloroethane	ND		ug/kg	0.56	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.28	--	1
Bromodichloromethane	ND		ug/kg	0.28	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.56	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.28	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.28	--	1
1,1-Dichloropropene	ND		ug/kg	0.28	--	1
Bromoform	ND		ug/kg	2.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.28	--	1
Benzene	ND		ug/kg	0.28	--	1
Toluene	ND		ug/kg	0.56	--	1
Ethylbenzene	ND		ug/kg	0.56	--	1
Chloromethane	ND		ug/kg	2.2	--	1
Bromomethane	ND		ug/kg	1.1	--	1
Vinyl chloride	ND		ug/kg	0.56	--	1
Chloroethane	ND		ug/kg	1.1	--	1
1,1-Dichloroethene	ND		ug/kg	0.56	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.84	--	1

Project Name: NUSTYLE **Lab Number:** L2356258

Project Number: 17356 **Report Date:** 10/04/23

SAMPLE RESULTS

Lab ID: L2356258-03 Date Collected: 09/22/23 10:30

Client ID: SED-103 Date Received: 09/25/23

Sample Location: 21 GROVE ST, FRANKLIN, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.28	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.1	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.1	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.1	--	1
Methyl tert butyl ether	ND		ug/kg	1.1	--	1
p/m-Xylene	ND		ug/kg	1.1	--	1
o-Xylene	ND		ug/kg	0.56	--	1
Xylenes, Total	ND		ug/kg	0.56	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.56	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.56	--	1
Dibromomethane	ND		ug/kg	1.1	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.1	--	1
Styrene	ND		ug/kg	0.56	--	1
Dichlorodifluoromethane	ND		ug/kg	5.6	--	1
Acetone	ND		ug/kg	14	--	1
Carbon disulfide	ND		ug/kg	5.6	--	1
Methyl ethyl ketone	ND		ug/kg	5.6	--	1
Methyl isobutyl ketone	ND		ug/kg	5.6	--	1
2-Hexanone	ND		ug/kg	5.6	--	1
Bromochloromethane	ND		ug/kg	1.1	--	1
Tetrahydrofuran	ND		ug/kg	2.2	--	1
2,2-Dichloropropane	ND		ug/kg	1.1	--	1
1,2-Dibromoethane	ND		ug/kg	0.56	--	1
1,3-Dichloropropane	ND		ug/kg	1.1	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.28	--	1
Bromobenzene	ND		ug/kg	1.1	--	1
n-Butylbenzene	ND		ug/kg	0.56	--	1
sec-Butylbenzene	ND		ug/kg	0.56	--	1
tert-Butylbenzene	ND		ug/kg	1.1	--	1
o-Chlorotoluene	ND		ug/kg	1.1	--	1
p-Chlorotoluene	ND		ug/kg	1.1	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.7	--	1
Hexachlorobutadiene	ND		ug/kg	2.2	--	1
Isopropylbenzene	ND		ug/kg	0.56	--	1
p-Isopropyltoluene	ND		ug/kg	0.56	--	1
Naphthalene	ND		ug/kg	2.2	--	1
n-Propylbenzene	ND		ug/kg	0.56	--	1

Project Name: NUSTYLE **Lab Number:** L2356258

Project Number: 17356 **Report Date:** 10/04/23

SAMPLE RESULTS

Lab ID: L2356258-03 Date Collected: 09/22/23 10:30

Client ID: SED-103 Date Received: 09/25/23

Sample Location: 21 GROVE ST, FRANKLIN, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.1	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.1	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.1	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.1	--	1
Diethyl ether	ND		ug/kg	1.1	--	1
Diisopropyl Ether	ND		ug/kg	1.1	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.1	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.1	--	1
1,4-Dioxane	ND		ug/kg	45	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	99		70-130

Project Name: NUSTYLE **Lab Number:** L2356258

Project Number: 17356 **Report Date:** 10/04/23

SAMPLE RESULTS

Lab ID: L2356258-04 Date Collected: 09/22/23 10:45
Client ID: SED-104 Date Received: 09/25/23
Sample Location: 21 GROVE ST, FRANKLIN, MA Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 141,8260D
Analytical Date: 10/02/23 00:46
Analyst: AJK
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.0	--	1
1,1-Dichloroethane	ND		ug/kg	0.59	--	1
Chloroform	ND		ug/kg	0.88	--	1
Carbon tetrachloride	ND		ug/kg	0.59	--	1
1,2-Dichloropropane	ND		ug/kg	0.59	--	1
Dibromochloromethane	ND		ug/kg	0.59	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.59	--	1
Tetrachloroethene	ND		ug/kg	0.30	--	1
Chlorobenzene	ND		ug/kg	0.30	--	1
Trichlorofluoromethane	ND		ug/kg	2.4	--	1
1,2-Dichloroethane	ND		ug/kg	0.59	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.30	--	1
Bromodichloromethane	ND		ug/kg	0.30	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.59	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.30	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.30	--	1
1,1-Dichloropropene	ND		ug/kg	0.30	--	1
Bromoform	ND		ug/kg	2.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.30	--	1
Benzene	ND		ug/kg	0.30	--	1
Toluene	ND		ug/kg	0.59	--	1
Ethylbenzene	ND		ug/kg	0.59	--	1
Chloromethane	ND		ug/kg	2.4	--	1
Bromomethane	ND		ug/kg	1.2	--	1
Vinyl chloride	ND		ug/kg	0.59	--	1
Chloroethane	ND		ug/kg	1.2	--	1
1,1-Dichloroethene	ND		ug/kg	0.59	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.88	--	1

Project Name: NUSTYLE **Lab Number:** L2356258

Project Number: 17356 **Report Date:** 10/04/23

SAMPLE RESULTS

Lab ID: L2356258-04 Date Collected: 09/22/23 10:45

Client ID: SED-104 Date Received: 09/25/23

Sample Location: 21 GROVE ST, FRANKLIN, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.30	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.2	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.2	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.2	--	1
Methyl tert butyl ether	ND		ug/kg	1.2	--	1
p/m-Xylene	ND		ug/kg	1.2	--	1
o-Xylene	ND		ug/kg	0.59	--	1
Xylenes, Total	ND		ug/kg	0.59	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.59	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.59	--	1
Dibromomethane	ND		ug/kg	1.2	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.2	--	1
Styrene	ND		ug/kg	0.59	--	1
Dichlorodifluoromethane	ND		ug/kg	5.9	--	1
Acetone	ND		ug/kg	15	--	1
Carbon disulfide	ND		ug/kg	5.9	--	1
Methyl ethyl ketone	ND		ug/kg	5.9	--	1
Methyl isobutyl ketone	ND		ug/kg	5.9	--	1
2-Hexanone	ND		ug/kg	5.9	--	1
Bromochloromethane	ND		ug/kg	1.2	--	1
Tetrahydrofuran	ND		ug/kg	2.4	--	1
2,2-Dichloropropane	ND		ug/kg	1.2	--	1
1,2-Dibromoethane	ND		ug/kg	0.59	--	1
1,3-Dichloropropane	ND		ug/kg	1.2	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.30	--	1
Bromobenzene	ND		ug/kg	1.2	--	1
n-Butylbenzene	ND		ug/kg	0.59	--	1
sec-Butylbenzene	ND		ug/kg	0.59	--	1
tert-Butylbenzene	ND		ug/kg	1.2	--	1
o-Chlorotoluene	ND		ug/kg	1.2	--	1
p-Chlorotoluene	ND		ug/kg	1.2	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.8	--	1
Hexachlorobutadiene	ND		ug/kg	2.4	--	1
Isopropylbenzene	ND		ug/kg	0.59	--	1
p-Isopropyltoluene	ND		ug/kg	0.59	--	1
Naphthalene	ND		ug/kg	2.4	--	1
n-Propylbenzene	ND		ug/kg	0.59	--	1

Project Name: NUSTYLE **Lab Number:** L2356258

Project Number: 17356 **Report Date:** 10/04/23

SAMPLE RESULTS

Lab ID: L2356258-04 Date Collected: 09/22/23 10:45

Client ID: SED-104 Date Received: 09/25/23

Sample Location: 21 GROVE ST, FRANKLIN, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.2	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.2	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.2	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.2	--	1
Diethyl ether	ND		ug/kg	1.2	--	1
Diisopropyl Ether	ND		ug/kg	1.2	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.2	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.2	--	1
1,4-Dioxane	ND		ug/kg	47	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	100		70-130

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356258
Report Date: 10/04/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 141,8260D
Analytical Date: 10/01/23 17:58
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1834584-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356258
Report Date: 10/04/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 141,8260D
Analytical Date: 10/01/23 17:58
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1834584-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	25	--
Carbon disulfide	ND		ug/kg	10	--
Methyl ethyl ketone	ND		ug/kg	10	--
Methyl isobutyl ketone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,3-Dichloropropane	ND		ug/kg	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356258
Report Date: 10/04/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 141,8260D
Analytical Date: 10/01/23 17:58
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1834584-5					
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
Diethyl ether	ND		ug/kg	2.0	--
Diisopropyl Ether	ND		ug/kg	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	92		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356258
Report Date: 10/04/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1834584-3 WG1834584-4								
Methylene chloride	90		91		70-130	1		20
1,1-Dichloroethane	95		95		70-130	0		20
Chloroform	92		92		70-130	0		20
Carbon tetrachloride	86		87		70-130	1		20
1,2-Dichloropropane	93		93		70-130	0		20
Dibromochloromethane	89		89		70-130	0		20
1,1,2-Trichloroethane	90		89		70-130	1		20
Tetrachloroethene	97		96		70-130	1		20
Chlorobenzene	93		93		70-130	0		20
Trichlorofluoromethane	104		105		70-130	1		20
1,2-Dichloroethane	87		89		70-130	2		20
1,1,1-Trichloroethane	89		88		70-130	1		20
Bromodichloromethane	89		89		70-130	0		20
trans-1,3-Dichloropropene	97		97		70-130	0		20
cis-1,3-Dichloropropene	88		89		70-130	1		20
1,1-Dichloropropene	95		96		70-130	1		20
Bromoform	86		87		70-130	1		20
1,1,2,2-Tetrachloroethane	98		94		70-130	4		20
Benzene	93		93		70-130	0		20
Toluene	98		97		70-130	1		20
Ethylbenzene	99		100		70-130	1		20
Chloromethane	96		94		70-130	2		20
Bromomethane	92		91		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NUSTYLE
Project Number: 17356

Lab Number: L2356258
Report Date: 10/04/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1834584-3 WG1834584-4								
Vinyl chloride	106		104		70-130	2		20
Chloroethane	102		101		70-130	1		20
1,1-Dichloroethene	100		100		70-130	0		20
trans-1,2-Dichloroethene	96		96		70-130	0		20
Trichloroethene	92		93		70-130	1		20
1,2-Dichlorobenzene	96		96		70-130	0		20
1,3-Dichlorobenzene	98		98		70-130	0		20
1,4-Dichlorobenzene	97		97		70-130	0		20
Methyl tert butyl ether	89		88		70-130	1		20
p/m-Xylene	99		99		70-130	0		20
o-Xylene	93		93		70-130	0		20
cis-1,2-Dichloroethene	88		87		70-130	1		20
Dibromomethane	82		86		70-130	5		20
1,2,3-Trichloropropane	98		96		70-130	2		20
Styrene	96		96		70-130	0		20
Dichlorodifluoromethane	90		89		70-130	1		20
Acetone	95		90		70-130	5		20
Carbon disulfide	94		93		70-130	1		20
Methyl ethyl ketone	87		84		70-130	4		20
Methyl isobutyl ketone	92		88		70-130	4		20
2-Hexanone	94		94		70-130	0		20
Bromochloromethane	83		83		70-130	0		20
Tetrahydrofuran	89		83		70-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NUSTYLE
Project Number: 17356

Lab Number: L2356258
Report Date: 10/04/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1834584-3 WG1834584-4								
2,2-Dichloropropane	98		94		70-130	4		20
1,2-Dibromoethane	92		93		70-130	1		20
1,3-Dichloropropane	97		98		70-130	1		20
1,1,1,2-Tetrachloroethane	93		92		70-130	1		20
Bromobenzene	94		92		70-130	2		20
n-Butylbenzene	113		112		70-130	1		20
sec-Butylbenzene	109		108		70-130	1		20
tert-Butylbenzene	105		103		70-130	2		20
o-Chlorotoluene	105		103		70-130	2		20
p-Chlorotoluene	104		103		70-130	1		20
1,2-Dibromo-3-chloropropane	82		83		70-130	1		20
Hexachlorobutadiene	96		95		70-130	1		20
Isopropylbenzene	102		104		70-130	2		20
p-Isopropyltoluene	104		104		70-130	0		20
Naphthalene	93		92		70-130	1		20
n-Propylbenzene	111		107		70-130	4		20
1,2,3-Trichlorobenzene	96		93		70-130	3		20
1,2,4-Trichlorobenzene	98		96		70-130	2		20
1,3,5-Trimethylbenzene	102		101		70-130	1		20
1,2,4-Trimethylbenzene	101		100		70-130	1		20
Diethyl ether	91		92		70-130	1		20
Diisopropyl Ether	100		100		70-130	0		20
Ethyl-Tert-Butyl-Ether	94		94		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: NUSTYLE

Project Number: 17356

Lab Number: L2356258

Report Date: 10/04/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1834584-3 WG1834584-4								
Tertiary-Amyl Methyl Ether	90		89		70-130	1		20
1,4-Dioxane	71		71		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		92		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	106		101		70-130
Dibromofluoromethane	88		89		70-130

METALS

Project Name: NUSTYLE **Lab Number:** L2356258

Project Number: 17356 **Report Date:** 10/04/23

SAMPLE RESULTS

Lab ID: L2356258-01 Date Collected: 09/22/23 10:00

Client ID: SED-101 Date Received: 09/25/23

Sample Location: 21 GROVE ST, FRANKLIN, MA Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.28	--	1	09/27/23 00:16	09/27/23 10:44	EPA 3050B	97,6010D	JMF
Arsenic, Total	0.920		mg/kg	0.455	--	1	09/27/23 00:16	09/27/23 10:44	EPA 3050B	97,6010D	JMF
Barium, Total	15.7		mg/kg	0.455	--	1	09/27/23 00:16	09/27/23 10:44	EPA 3050B	97,6010D	JMF
Beryllium, Total	ND		mg/kg	0.228	--	1	09/27/23 00:16	09/27/23 10:44	EPA 3050B	97,6010D	JMF
Cadmium, Total	ND		mg/kg	0.455	--	1	09/27/23 00:16	09/27/23 10:44	EPA 3050B	97,6010D	JMF
Chromium, Total	5.36		mg/kg	0.455	--	1	09/27/23 00:16	09/27/23 10:44	EPA 3050B	97,6010D	JMF
Lead, Total	7.42		mg/kg	2.28	--	1	09/27/23 00:16	09/27/23 10:44	EPA 3050B	97,6010D	JMF
Nickel, Total	1.69		mg/kg	1.14	--	1	09/27/23 00:16	09/27/23 10:44	EPA 3050B	97,6010D	JMF
Selenium, Total	ND		mg/kg	2.28	--	1	09/27/23 00:16	09/27/23 10:44	EPA 3050B	97,6010D	JMF
Silver, Total	ND		mg/kg	0.455	--	1	09/27/23 00:16	09/27/23 10:44	EPA 3050B	97,6010D	JMF
Thallium, Total	ND		mg/kg	2.28	--	1	09/27/23 00:16	09/27/23 10:44	EPA 3050B	97,6010D	JMF
Vanadium, Total	5.35		mg/kg	0.455	--	1	09/27/23 00:16	09/27/23 10:44	EPA 3050B	97,6010D	JMF
Zinc, Total	19.6		mg/kg	2.28	--	1	09/27/23 00:16	09/27/23 10:44	EPA 3050B	97,6010D	JMF

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356258
Report Date: 10/04/23

SAMPLE RESULTS

Lab ID: L2356258-02
Client ID: SED-102
Sample Location: 21 GROVE ST, FRANKLIN, MA
Date Collected: 09/22/23 10:15
Date Received: 09/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.34	--	1	09/27/23 00:16	09/27/23 10:47	EPA 3050B	97,6010D	JMF
Arsenic, Total	6.90		mg/kg	0.468	--	1	09/27/23 00:16	09/27/23 10:47	EPA 3050B	97,6010D	JMF
Barium, Total	17.4		mg/kg	0.468	--	1	09/27/23 00:16	09/27/23 10:47	EPA 3050B	97,6010D	JMF
Beryllium, Total	ND		mg/kg	0.234	--	1	09/27/23 00:16	09/27/23 10:47	EPA 3050B	97,6010D	JMF
Cadmium, Total	ND		mg/kg	0.468	--	1	09/27/23 00:16	09/27/23 10:47	EPA 3050B	97,6010D	JMF
Chromium, Total	4.20		mg/kg	0.468	--	1	09/27/23 00:16	09/27/23 10:47	EPA 3050B	97,6010D	JMF
Lead, Total	15.0		mg/kg	2.34	--	1	09/27/23 00:16	09/27/23 10:47	EPA 3050B	97,6010D	JMF
Nickel, Total	2.69		mg/kg	1.17	--	1	09/27/23 00:16	09/27/23 10:47	EPA 3050B	97,6010D	JMF
Selenium, Total	ND		mg/kg	2.34	--	1	09/27/23 00:16	09/27/23 10:47	EPA 3050B	97,6010D	JMF
Silver, Total	ND		mg/kg	0.468	--	1	09/27/23 00:16	09/27/23 10:47	EPA 3050B	97,6010D	JMF
Thallium, Total	ND		mg/kg	2.34	--	1	09/27/23 00:16	09/27/23 10:47	EPA 3050B	97,6010D	JMF
Vanadium, Total	4.73		mg/kg	0.468	--	1	09/27/23 00:16	09/27/23 10:47	EPA 3050B	97,6010D	JMF
Zinc, Total	70.1		mg/kg	2.34	--	1	09/27/23 00:16	09/27/23 10:47	EPA 3050B	97,6010D	JMF

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356258
Report Date: 10/04/23

SAMPLE RESULTS

Lab ID: L2356258-03
Client ID: SED-103
Sample Location: 21 GROVE ST, FRANKLIN, MA
Date Collected: 09/22/23 10:30
Date Received: 09/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.21	--	1	09/27/23 00:16	09/27/23 10:50	EPA 3050B	97,6010D	JMF
Arsenic, Total	2.84		mg/kg	0.442	--	1	09/27/23 00:16	09/27/23 10:50	EPA 3050B	97,6010D	JMF
Barium, Total	37.2		mg/kg	0.442	--	1	09/27/23 00:16	09/27/23 10:50	EPA 3050B	97,6010D	JMF
Beryllium, Total	0.365		mg/kg	0.221	--	1	09/27/23 00:16	09/27/23 10:50	EPA 3050B	97,6010D	JMF
Cadmium, Total	ND		mg/kg	0.442	--	1	09/27/23 00:16	09/27/23 10:50	EPA 3050B	97,6010D	JMF
Chromium, Total	8.56		mg/kg	0.442	--	1	09/27/23 00:16	09/27/23 10:50	EPA 3050B	97,6010D	JMF
Lead, Total	16.6		mg/kg	2.21	--	1	09/27/23 00:16	09/27/23 10:50	EPA 3050B	97,6010D	JMF
Nickel, Total	14.0		mg/kg	1.10	--	1	09/27/23 00:16	09/27/23 10:50	EPA 3050B	97,6010D	JMF
Selenium, Total	ND		mg/kg	2.21	--	1	09/27/23 00:16	09/27/23 10:50	EPA 3050B	97,6010D	JMF
Silver, Total	ND		mg/kg	0.442	--	1	09/27/23 00:16	09/27/23 10:50	EPA 3050B	97,6010D	JMF
Thallium, Total	ND		mg/kg	2.21	--	1	09/27/23 00:16	09/27/23 10:50	EPA 3050B	97,6010D	JMF
Vanadium, Total	10.3		mg/kg	0.442	--	1	09/27/23 00:16	09/27/23 10:50	EPA 3050B	97,6010D	JMF
Zinc, Total	67.0		mg/kg	2.21	--	1	09/27/23 00:16	09/27/23 10:50	EPA 3050B	97,6010D	JMF

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356258
Report Date: 10/04/23

SAMPLE RESULTS

Lab ID: L2356258-04
Client ID: SED-104
Sample Location: 21 GROVE ST, FRANKLIN, MA
Date Collected: 09/22/23 10:45
Date Received: 09/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.24	--	1	09/27/23 00:16	09/27/23 10:53	EPA 3050B	97,6010D	JMF
Arsenic, Total	12.3		mg/kg	0.448	--	1	09/27/23 00:16	09/27/23 10:53	EPA 3050B	97,6010D	JMF
Barium, Total	27.0		mg/kg	0.448	--	1	09/27/23 00:16	09/27/23 10:53	EPA 3050B	97,6010D	JMF
Beryllium, Total	0.391		mg/kg	0.224	--	1	09/27/23 00:16	09/27/23 10:53	EPA 3050B	97,6010D	JMF
Cadmium, Total	ND		mg/kg	0.448	--	1	09/27/23 00:16	09/27/23 10:53	EPA 3050B	97,6010D	JMF
Chromium, Total	21.9		mg/kg	0.448	--	1	09/27/23 00:16	09/27/23 10:53	EPA 3050B	97,6010D	JMF
Lead, Total	53.0		mg/kg	2.24	--	1	09/27/23 00:16	09/27/23 10:53	EPA 3050B	97,6010D	JMF
Nickel, Total	22.8		mg/kg	1.12	--	1	09/27/23 00:16	09/27/23 10:53	EPA 3050B	97,6010D	JMF
Selenium, Total	ND		mg/kg	2.24	--	1	09/27/23 00:16	09/27/23 10:53	EPA 3050B	97,6010D	JMF
Silver, Total	ND		mg/kg	0.448	--	1	09/27/23 00:16	09/27/23 10:53	EPA 3050B	97,6010D	JMF
Thallium, Total	ND		mg/kg	2.24	--	1	09/27/23 00:16	09/27/23 10:53	EPA 3050B	97,6010D	JMF
Vanadium, Total	10.2		mg/kg	0.448	--	1	09/27/23 00:16	09/27/23 10:53	EPA 3050B	97,6010D	JMF
Zinc, Total	106		mg/kg	2.24	--	1	09/27/23 00:16	09/27/23 10:53	EPA 3050B	97,6010D	JMF

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356258
Report Date: 10/04/23

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1832191-1										
Antimony, Total	ND		mg/kg	2.00	--	1	09/27/23 00:16	09/27/23 10:35	97,6010D	JMF
Arsenic, Total	ND		mg/kg	0.400	--	1	09/27/23 00:16	09/27/23 10:35	97,6010D	JMF
Barium, Total	ND		mg/kg	0.400	--	1	09/27/23 00:16	09/27/23 10:35	97,6010D	JMF
Beryllium, Total	ND		mg/kg	0.200	--	1	09/27/23 00:16	09/27/23 10:35	97,6010D	JMF
Cadmium, Total	ND		mg/kg	0.400	--	1	09/27/23 00:16	09/27/23 10:35	97,6010D	JMF
Chromium, Total	ND		mg/kg	0.400	--	1	09/27/23 00:16	09/27/23 10:35	97,6010D	JMF
Lead, Total	ND		mg/kg	2.00	--	1	09/27/23 00:16	09/27/23 10:35	97,6010D	JMF
Nickel, Total	ND		mg/kg	1.00	--	1	09/27/23 00:16	09/27/23 10:35	97,6010D	JMF
Selenium, Total	ND		mg/kg	2.00	--	1	09/27/23 00:16	09/27/23 10:35	97,6010D	JMF
Silver, Total	ND		mg/kg	0.400	--	1	09/27/23 00:16	09/27/23 10:35	97,6010D	JMF
Thallium, Total	ND		mg/kg	2.00	--	1	09/27/23 00:16	09/27/23 10:35	97,6010D	JMF
Vanadium, Total	ND		mg/kg	0.400	--	1	09/27/23 00:16	09/27/23 10:35	97,6010D	JMF
Zinc, Total	ND		mg/kg	2.00	--	1	09/27/23 00:16	09/27/23 10:35	97,6010D	JMF

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: NUSTYLE

Project Number: 17356

Lab Number: L2356258

Report Date: 10/04/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1832191-2 WG1832191-3 SRM Lot Number: D119-540								
Antimony, Total	177		184		10-190	4		30
Arsenic, Total	109		112		83-117	3		30
Barium, Total	105		102		82-118	3		30
Beryllium, Total	107		106		83-117	1		30
Cadmium, Total	98		98		82-117	0		30
Chromium, Total	108		112		82-119	4		30
Lead, Total	107		108		82-118	1		30
Nickel, Total	104		105		82-117	1		30
Silver, Total	110		112		80-120	2		30
Thallium, Total	107		106		81-119	1		30
Vanadium, Total	103		107		79-121	4		30
Zinc, Total	106		108		80-120	2		30

INORGANICS
&
MISCELLANEOUS

Project Name: NUSTYLE
Project Number: 17356

Lab Number: L2356258
Report Date: 10/04/23

SAMPLE RESULTS

Lab ID: L2356258-01
Client ID: SED-101
Sample Location: 21 GROVE ST, FRANKLIN, MA

Date Collected: 09/22/23 10:00
Date Received: 09/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.7		%	0.100	NA	1	-	09/26/23 09:53	121,2540G	ROI

Project Name: NUSTYLE
Project Number: 17356

Lab Number: L2356258
Report Date: 10/04/23

SAMPLE RESULTS

Lab ID: L2356258-02
Client ID: SED-102
Sample Location: 21 GROVE ST, FRANKLIN, MA

Date Collected: 09/22/23 10:15
Date Received: 09/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.1		%	0.100	NA	1	-	09/26/23 09:53	121,2540G	ROI

Project Name: NUSTYLE
Project Number: 17356

Lab Number: L2356258
Report Date: 10/04/23

SAMPLE RESULTS

Lab ID: L2356258-03
Client ID: SED-103
Sample Location: 21 GROVE ST, FRANKLIN, MA

Date Collected: 09/22/23 10:30
Date Received: 09/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.9		%	0.100	NA	1	-	09/26/23 09:53	121,2540G	ROI

Project Name: NUSTYLE
Project Number: 17356

Lab Number: L2356258
Report Date: 10/04/23

SAMPLE RESULTS

Lab ID: L2356258-04
Client ID: SED-104
Sample Location: 21 GROVE ST, FRANKLIN, MA

Date Collected: 09/22/23 10:45
Date Received: 09/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.8		%	0.100	NA	1	-	09/26/23 09:53	121,2540G	ROI

Project Name: NUSTYLE
Project Number: 17356

Lab Number: L2356258
Report Date: 10/04/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2356258-01A	Vial MeOH preserved	A	NA		3.9	Y	Absent		MCP-8260HLW-21(14)
L2356258-01B	Vial water preserved	A	NA		3.9	Y	Absent	22-SEP-23 14:00	MCP-8260HLW-21(14)
L2356258-01C	Vial water preserved	A	NA		3.9	Y	Absent	22-SEP-23 14:00	MCP-8260HLW-21(14)
L2356258-01D	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356258-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2356258-02A	Vial MeOH preserved	A	NA		3.9	Y	Absent		MCP-8260HLW-21(14)
L2356258-02B	Vial water preserved	A	NA		3.9	Y	Absent	22-SEP-23 14:00	MCP-8260HLW-21(14)
L2356258-02C	Vial water preserved	A	NA		3.9	Y	Absent	22-SEP-23 14:00	MCP-8260HLW-21(14)
L2356258-02D	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356258-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2356258-03A	Vial MeOH preserved	A	NA		3.9	Y	Absent		MCP-8260HLW-21(14)
L2356258-03B	Vial water preserved	A	NA		3.9	Y	Absent	22-SEP-23 14:00	MCP-8260HLW-21(14)
L2356258-03C	Vial water preserved	A	NA		3.9	Y	Absent	22-SEP-23 14:00	MCP-8260HLW-21(14)
L2356258-03D	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: NUSTYLE
Project Number: 17356

Lab Number: L2356258
Report Date: 10/04/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2356258-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2356258-04A	Vial MeOH preserved	A	NA		3.9	Y	Absent		MCP-8260HLW-21(14)
L2356258-04B	Vial water preserved	A	NA		3.9	Y	Absent	22-SEP-23 14:00	MCP-8260HLW-21(14)
L2356258-04C	Vial water preserved	A	NA		3.9	Y	Absent	22-SEP-23 14:00	MCP-8260HLW-21(14)
L2356258-04D	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356258-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)

*Values in parentheses indicate holding time in days

Project Name:	NUSTYLE	**Lab Number:**	L2356258
Project Number:	17356	**Report Date:**	10/04/23

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	NUSTYLE	**Lab Number:**	L2356258
Project Number:	17356	**Report Date:**	10/04/23

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report

Project Name:	NUSTYLE	**Lab Number:**	L2356258
Project Number:	17356	**Report Date:**	10/04/23

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

Project Name:	NUSTYLE	**Lab Number:**	L2356258
Project Number:	17356	**Report Date:**	10/04/23

REFERENCES

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

141 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA and IIB, November 2021.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9/25/23

ALPHA Job #: L2356258

ALPHA ANALYTICAL
8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Client Information

Client: Verdantas LLC
Address: 273 West Main St, Pawtucket, Norton, MA
Phone: 802-379-3399
Email: dtcurran@verdantas.com

Project Information

Project Name: NuStyle
Project Location: 21 Grove St, Franklin, MA
Project #: 17356
Project Manager: Dan Curran
ALPHA Quote #:

Report Information - Data Deliverables

☒ ADEx ☒ EMAIL

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☒ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria S-1, S-2, S-3, GW-2, GW-3

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due:

Additional Project Information:
Di VOA's frozen on 9/22/23 at 14:00

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC: ☒ 8260 ☐ 624 ☐ 524.2	SVOC: ☐ ABN ☐ PAH	METALS: ☒ MCP 13 ☐ MCP 14 ☐ RCP 15	METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13	EPH: ☐ Ranges & Targets ☐ Ranges Only	VPH: ☐ Ranges & Targets ☐ Ranges Only	☐ PCB ☐ PEST	TPH: ☐ Quant Only ☐ Fingerprint	Total Solids	Sample Comments	TOTAL # BOTTLES
56258-01	SED-101	9/22/23	10:00	Soil	DD	X		X						X		5
02	SED-102	↓	10:15	↓	↓	X		X						X		5
03	SED-103		10:30			X		X						X		5
04	SED-104		10:45			X		X						X		5

SAMPLE INFO
Filtration ☐ Field ☐ Lab to do
Preservation ☐ Lab to do

Container Type	V		A										P			
Preservative	F/O		A										A			

O= Di water

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Diffenbaugh	9/22/23 13:46	MeM ATL	9/22/23 14:45
MeM	9/25/23 (T3)	H. Kui ATL	9-25-23 1605
H. Kui ATL	9-25-23 1715		9/25/23 1715

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

Method Blank Summary
Form 4
Volatiles

Client	: Verdantas	**Lab Number**	: L2356258
Project Name	: NUSTYLE	**Project Number**	: 17356
Lab Sample ID	: WG1834584-5	**Lab File ID**	: V10231001A04
Instrument ID	: VOA110		
Matrix	: SOIL	**Analysis Date**	: 10/01/23 17:58

Client Sample No.	Lab Sample ID	Analysis Date
WG1834584-3LCS	WG1834584-3	10/01/23 16:38
WG1834584-4LCSD	WG1834584-4	10/01/23 17:04
SED-101	L2356258-01	10/01/23 23:24
SED-102	L2356258-02	10/01/23 23:52
SED-103	L2356258-03	10/02/23 00:19
SED-104	L2356258-04	10/02/23 00:46

Calibration Verification Summary
Form 7
Volatiles

Client	: Verdantas	**Lab Number**	: L2356258
Project Name	: NUSTYLE	**Project Number**	: 17356
Instrument ID	: VOA110	**Calibration Date**	: 10/01/23 16:38
Lab File ID	: V10231001A01	**Init. Calib. Date(s)**	: 09/18/23 09/18/23
Sample No	: WG1834584-2	**Init. Calib. Times**	: 14:10 18:42
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	96	0
Dichlorodifluoromethane	0.346	0.312	-	9.8	20	90	0
Chloromethane	0.41	0.393	-	4.1	20	94	0
Vinyl chloride	0.348	0.368	-	-5.7	20	101	0
Bromomethane	0.211	0.195	-	7.6	20	93	0
Chloroethane	0.222	0.227	-	-2.3	20	99	0
Trichlorofluoromethane	0.364	0.38	-	-4.4	20	103	0
Ethyl ether	0.184	0.168	-	8.7	20	85	0
1,1-Dichloroethene	0.246	0.246	-	0	20	97	0
Carbon disulfide	0.934	0.882	-	5.6	20	98	0
Freon-113	0.257	0.269	-	-4.7	20	100	0
Acrolein	0.057	0.056	-	1.8	20	91	0
Methylene chloride	0.286	0.258	-	9.8	20	85	0
Acetone	40	37.867	-	5.3	20	94	0
trans-1,2-Dichloroethene	0.279	0.269	-	3.6	20	92	0
Methyl acetate	0.316	0.318	-	-0.6	20	88	0
Methyl tert-butyl ether	0.996	0.885	-	11.1	20	81	0
tert-Butyl alcohol	0.056	0.045	-	19.6	20	73	0
Diisopropyl ether	1.18	1.186	-	-0.5	20	89	0
1,1-Dichloroethane	0.554	0.525	-	5.2	20	88	0
Halothane	0.217	0.2	-	7.8	20	88	0
Acrylonitrile	0.134	0.108	-	19.4	20	80	0
Ethyl tert-butyl ether	1.07	1.006	-	6	20	83	0
Vinyl acetate	0.728	0.729	-	-0.1	20	91	0
cis-1,2-Dichloroethene	0.322	0.282	-	12.4	20	83	0
2,2-Dichloropropane	0.447	0.44	-	1.6	20	96	0
Bromochloromethane	0.149	0.123	-	17.4	20	76	0
Cyclohexane	0.559	0.597	-	-6.8	20	103	0
Chloroform	0.487	0.449	-	7.8	20	84	0
Ethyl acetate	0.413	0.379	-	8.2	20	82	0
Carbon tetrachloride	40	34.46	-	13.8	20	92	0
Tetrahydrofuran	0.131	0.116	-	11.5	20	85	0
Dibromofluoromethane	0.286	0.25	-	12.6	20	86	0
1,1,1-Trichloroethane	0.457	0.408	-	10.7	20	90	0
2-Butanone	0.191	0.166	-	13.1	20	83	0
1,1-Dichloropropene	0.397	0.378	-	4.8	20	94	0
Benzene	1.152	1.073	-	6.9	20	88	0
tert-Amyl methyl ether	0.94	0.842	-	10.4	20	80	0
1,2-Dichloroethane-d4	0.348	0.319	-	8.3	20	90	0
1,2-Dichloroethane	0.431	0.375	-	13	20	79	0
Methyl cyclohexane	0.519	0.517	-	0.4	20	93	0
Trichloroethene	40	36.882	-	7.8	20	88	0
Dibromomethane	0.181	0.148	-	18.2	20	76	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Verdantas	**Lab Number**	: L2356258
Project Name	: NUSTYLE	**Project Number**	: 17356
Instrument ID	: VOA110	**Calibration Date**	: 10/01/23 16:38
Lab File ID	: V10231001A01	**Init. Calib. Date(s)**	: 09/18/23 09/18/23
Sample No	: WG1834584-2	**Init. Calib. Times**	: 14:10 18:42
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.313	0.291	-	7	20	85	0
2-Chloroethyl vinyl ether	0.203	0.178	-	12.3	20	75	0
Bromodichloromethane	40	35.645	-	10.9	20	81	0
1,4-Dioxane	0.00387	0.00276*	-	28.7*	20	66	0
cis-1,3-Dichloropropene	0.501	0.44	-	12.2	20	80	0
Chlorobenzene-d5	1	1	-	0	20	89	0
Toluene-d8	1.18	1.191	-	-0.9	20	90	0
Toluene	0.758	0.74	-	2.4	20	86	0
4-Methyl-2-pentanone	0.15	0.138	-	8	20	80	0
Tetrachloroethene	0.3	0.292	-	2.7	20	84	0
trans-1,3-Dichloropropene	0.469	0.455	-	3	20	80	0
Ethyl methacrylate	0.404	0.386	-	4.5	20	76	0
1,1,2-Trichloroethane	0.239	0.215	-	10	20	81	0
Chlorodibromomethane	0.315	0.28	-	11.1	20	75	0
1,3-Dichloropropane	0.459	0.447	-	2.6	20	80	0
1,2-Dibromoethane	0.275	0.254	-	7.6	20	76	0
2-Hexanone	0.294	0.277	-	5.8	20	78	0
Chlorobenzene	0.838	0.777	-	7.3	20	80	0
Ethylbenzene	1.442	1.433	-	0.6	20	86	0
1,1,1,2-Tetrachloroethane	0.304	0.282	-	7.2	20	77	0
p/m Xylene	80	79.393	-	0.8	20	84	0
o Xylene	0.573	0.533	-	7	20	82	0
Styrene	0.954	0.911	-	4.5	20	79	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	90	0
Bromoform	0.35	0.3	-	14.3	20	71	0
Isopropylbenzene	2.459	2.5	-	-1.7	20	86	0
4-Bromofluorobenzene	0.837	0.887	-	-6	20	96	0
Bromobenzene	0.618	0.584	-	5.5	20	79	0
n-Propylbenzene	2.868	3.186	-	-11.1	20	94	0
1,4-Dichlorobutane	0.945	0.993	-	-5.1	20	87	0
1,1,2,2-Tetrachloroethane	0.673	0.657	-	2.4	20	86	0
4-Ethyltoluene	2.505	2.633	-	-5.1	20	89	0
2-Chlorotoluene	1.696	1.778	-	-4.8	20	88	0
1,3,5-Trimethylbenzene	2.118	2.173	-	-2.6	20	87	0
1,2,3-Trichloropropane	0.534	0.523	-	2.1	20	83	0
trans-1,4-Dichloro-2-buten	0.254	0.261	-	-2.8	20	87	0
4-Chlorotoluene	1.787	1.866	-	-4.4	20	88	0
tert-Butylbenzene	1.822	1.91	-	-4.8	20	87	0
1,2,4-Trimethylbenzene	2.106	2.119	-	-0.6	20	86	0
sec-Butylbenzene	2.693	2.936	-	-9	20	90	0
p-Isopropyltoluene	2.403	2.508	-	-4.4	20	87	0
1,3-Dichlorobenzene	1.184	1.165	-	1.6	20	81	0
1,4-Dichlorobenzene	1.218	1.185	-	2.7	20	83	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Verdantas	**Lab Number**	: L2356258
Project Name	: NUSTYLE	**Project Number**	: 17356
Instrument ID	: VOA110	**Calibration Date**	: 10/01/23 16:38
Lab File ID	: V10231001A01	**Init. Calib. Date(s)**	: 09/18/23 09/18/23
Sample No	: WG1834584-2	**Init. Calib. Times**	: 14:10 18:42
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.466	1.539	-	-5	20	87	0
n-Butylbenzene	2.023	2.291	-	-13.2	20	93	0
1,2-Dichlorobenzene	1.147	1.102	-	3.9	20	79	0
1,2,4,5-Tetramethylbenzene	2.337	2.413	-	-3.3	20	86	0
1,2-Dibromo-3-chloropropan	0.126	0.103	-	18.3	20	69	0
1,3,5-Trichlorobenzene	0.867	0.877	-	-1.2	20	84	0
Hexachlorobutadiene	0.386	0.372	-	3.6	20	80	0
1,2,4-Trichlorobenzene	0.79	0.77	-	2.5	20	81	0
Naphthalene	2.316	2.144	-	7.4	20	78	0
1,2,3-Trichlorobenzene	0.76	0.73	-	3.9	20	80	0

* Value outside of QC limits.

ANALYTICAL REPORT

Lab Number:	L2356472
Client:	Verdantas 1005 Main Street Suite 8120 Pawtucket, RI 02860
ATTN:	Daniel Curran
Phone:	(401) 648-8647
Project Name:	NUSTYLE
Project Number:	17356
Report Date:	10/10/23

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: NUSTYLE
Project Number: 17356

Lab Number: L2356472
Report Date: 10/10/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2356472-01	MW-101S	WATER	FRANKLIN, MA	09/25/23 09:25	09/26/23
L2356472-02	MW-2	WATER	FRANKLIN, MA	09/25/23 11:40	09/26/23
L2356472-03	MW-201	WATER	FRANKLIN, MA	09/25/23 14:10	09/26/23
L2356472-04	MW-201D	WATER	FRANKLIN, MA	09/25/23 15:00	09/26/23
L2356472-05	MW-202D	WATER	FRANKLIN, MA	09/25/23 10:10	09/26/23
L2356472-06	MW-203	WATER	FRANKLIN, MA	09/25/23 11:35	09/26/23
L2356472-07	MW-203D	WATER	FRANKLIN, MA	09/25/23 12:50	09/26/23
L2356472-08	MW-204	WATER	FRANKLIN, MA	09/25/23 14:40	09/26/23
L2356472-09	MW-204D	WATER	FRANKLIN, MA	09/25/23 13:30	09/26/23

Project Name:	NUSTYLE	**Lab Number:**	L2356472
Project Number:	17356	**Report Date:**	10/10/23

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	YES
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name:	NUSTYLE	**Lab Number:**	L2356472
Project Number:	17356	**Report Date:**	10/10/23

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: NUSTYLE **Lab Number:** L2356472
Project Number: 17356 **Report Date:** 10/10/23

Case Narrative (continued)

MCP Related Narratives

Volatile Organics

L2356472-01, -02, -03, -04, -05D, -06, -07D, and -08: Initial calibration utilized a quadratic fit for: bromoform

L2356472-09: Initial calibration utilized a quadratic fit for: carbon tetrachloride, hexachlorobutadiene, m/p xylene, styrene

In reference to question G:

L2356472-05D and -07D: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

L2356472-01, -02, -03, -04, -05D, -06, -07D, and -08: Initial Calibration did not meet:

Lowest Calibration Standard Minimum Response Factor: 1,4-dioxane (0.0036)

Average Response Factor: 1,4-dioxane

L2356472-09: Initial Calibration did not meet:

Lowest Calibration Standard Minimum Response Factor: bromochloromethane (0.0949), 1,2-dichloropropane (0.1664), bromodichloromethane (0.2484), 1,4-dioxane (0.0010), 1,1,2-trichloroethane (0.1490), 1,2-dibromoethane (0.1797)

Average Response Factor: bromodichloromethane, 1,4-dioxane, 1,1,2-trichloroethane, 1,2-dibromoethane

L2356472-01 through -09: The associated continuing calibration standard is outside the acceptance criteria for several compounds; however, it is within overall method allowances. Associated results are considered to be biased high if the %D is negative and biased low if the %D is positive. A copy of the continuing calibration standard is included as an addendum to this report.

VPH

L2356472-05 and -07D: It should be noted that based on review of the VPH chromatograms there is the potential that non-hydrocarbon compounds are being included in the summation of the C5-C8 Aliphatics range. This could result in a greater concentration being reported for this range than would otherwise be the

Project Name: NUSTYLE **Lab Number:** L2356472
Project Number: 17356 **Report Date:** 10/10/23

Case Narrative (continued)

case. The VPH gas chromatographic method is subject to the inclusion of non-hydrocarbon compounds in carbon range summations if the non-hydrocarbon compound is amenable to the method operating conditions and elutes within the range's retention time window. A copy of the chromatogram is included as an attachment to this report.
In reference to question G:
L2356472-07D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample. One or more of the target analytes did not achieve the requested CAM reporting limits.

Dissolved Metals
In reference to question G:
L2356472-01, -02, -04, -05, -06, -07, -08, and -09: One or more of the target analytes did not achieve the requested CAM reporting limits.

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. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly O'Neill

Title: Technical Director/Representative Date: 10/10/23

QC OUTLIER SUMMARY REPORT

Project Name: NUSTYLE
Project Number: 17356

Lab Number: L2356472
Report Date: 10/10/23

Method	Client ID (Native ID)	Lab ID	Parameter	QC Type	Recovery/RPD (%)	QC Limits (%)	Associated Samples	Data Quality Assessment
MCP Volatile Organics - Westborough Lab								
8260D	Batch QC	WG1836289-4	Methyl tert butyl ether	LCSD	67	70-130	01-08	potential low bias
8260D	Batch QC	WG1837334-4	Methyl ethyl ketone	LCSD	24	20	09	non-directional bias
EPH w/Targets via GCMS-SIM - Westborough Lab								
EPH-19-2.1	Batch QC	WG1835919-3	Naphthalene	LCSD	27	25	01-09	non-directional bias

ORGANICS

VOLATILES

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-01
Client ID: MW-101S
Sample Location: FRANKLIN, MA

Date Collected: 09/25/23 09:25
Date Received: 09/26/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 141,8260D
Analytical Date: 10/05/23 11:17
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
Trichlorofluoromethane	ND		ug/l	2.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.40	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.40	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.40	--	1
1,1-Dichloropropene	ND		ug/l	2.0	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1

Project Name: NUSTYLE **Lab Number:** L2356472

Project Number: 17356 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-01 Date Collected: 09/25/23 09:25

Client ID: MW-101S Date Received: 09/26/23

Sample Location: FRANKLIN, MA Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Trichloroethene	4.0		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
Methyl tert butyl ether	ND		ug/l	2.0	--	1
p/m-Xylene	ND		ug/l	2.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	1
1,2-Dichloroethene, Total	ND		ug/l	1.0	--	1
Dibromomethane	ND		ug/l	2.0	--	1
1,2,3-Trichloropropane	ND		ug/l	2.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	2.0	--	1
Methyl ethyl ketone	ND		ug/l	5.0	--	1
Methyl isobutyl ketone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.0	--	1
Tetrahydrofuran	ND		ug/l	2.0	--	1
2,2-Dichloropropane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Bromobenzene	ND		ug/l	2.0	--	1
n-Butylbenzene	ND		ug/l	2.0	--	1
sec-Butylbenzene	ND		ug/l	2.0	--	1
tert-Butylbenzene	ND		ug/l	2.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1
p-Chlorotoluene	ND		ug/l	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	2.0	--	1
p-Isopropyltoluene	ND		ug/l	2.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
n-Propylbenzene	ND		ug/l	2.0	--	1

Project Name: NUSTYLE **Lab Number:** L2356472

Project Number: 17356 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-01 Date Collected: 09/25/23 09:25

Client ID: MW-101S Date Received: 09/26/23

Sample Location: FRANKLIN, MA Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--	1
Diethyl ether	ND		ug/l	2.0	--	1
Diisopropyl Ether	ND		ug/l	2.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	113		70-130

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-02
Client ID: MW-2
Sample Location: FRANKLIN, MA

Date Collected: 09/25/23 11:40
Date Received: 09/26/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 141,8260D
Analytical Date: 10/05/23 11:59
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	18		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
Trichlorofluoromethane	ND		ug/l	2.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.40	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.40	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.40	--	1
1,1-Dichloropropene	ND		ug/l	2.0	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1

Project Name: NUSTYLE **Lab Number:** L2356472

Project Number: 17356 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-02 Date Collected: 09/25/23 11:40

Client ID: MW-2 Date Received: 09/26/23

Sample Location: FRANKLIN, MA Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Trichloroethene	22		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
Methyl tert butyl ether	ND		ug/l	2.0	--	1
p/m-Xylene	ND		ug/l	2.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	1.6		ug/l	1.0	--	1
1,2-Dichloroethene, Total	1.6		ug/l	1.0	--	1
Dibromomethane	ND		ug/l	2.0	--	1
1,2,3-Trichloropropane	ND		ug/l	2.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	2.0	--	1
Methyl ethyl ketone	ND		ug/l	5.0	--	1
Methyl isobutyl ketone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.0	--	1
Tetrahydrofuran	ND		ug/l	2.0	--	1
2,2-Dichloropropane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Bromobenzene	ND		ug/l	2.0	--	1
n-Butylbenzene	ND		ug/l	2.0	--	1
sec-Butylbenzene	ND		ug/l	2.0	--	1
tert-Butylbenzene	ND		ug/l	2.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1
p-Chlorotoluene	ND		ug/l	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	2.0	--	1
p-Isopropyltoluene	ND		ug/l	2.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
n-Propylbenzene	ND		ug/l	2.0	--	1

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-02
Client ID: MW-2
Sample Location: FRANKLIN, MA
Date Collected: 09/25/23 11:40
Date Received: 09/26/23
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--	1
Diethyl ether	ND		ug/l	2.0	--	1
Diisopropyl Ether	ND		ug/l	2.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	119		70-130

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-03
Client ID: MW-201
Sample Location: FRANKLIN, MA

Date Collected: 09/25/23 14:10
Date Received: 09/26/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 141,8260D
Analytical Date: 10/05/23 12:41
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
Trichlorofluoromethane	ND		ug/l	2.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.40	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.40	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.40	--	1
1,1-Dichloropropene	ND		ug/l	2.0	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1

Project Name: NUSTYLE **Lab Number:** L2356472

Project Number: 17356 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-03 Date Collected: 09/25/23 14:10

Client ID: MW-201 Date Received: 09/26/23

Sample Location: FRANKLIN, MA Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Trichloroethene	ND		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
Methyl tert butyl ether	ND		ug/l	2.0	--	1
p/m-Xylene	ND		ug/l	2.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	1
1,2-Dichloroethene, Total	ND		ug/l	1.0	--	1
Dibromomethane	ND		ug/l	2.0	--	1
1,2,3-Trichloropropane	ND		ug/l	2.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	2.0	--	1
Methyl ethyl ketone	ND		ug/l	5.0	--	1
Methyl isobutyl ketone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.0	--	1
Tetrahydrofuran	ND		ug/l	2.0	--	1
2,2-Dichloropropane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Bromobenzene	ND		ug/l	2.0	--	1
n-Butylbenzene	ND		ug/l	2.0	--	1
sec-Butylbenzene	ND		ug/l	2.0	--	1
tert-Butylbenzene	ND		ug/l	2.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1
p-Chlorotoluene	ND		ug/l	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	2.0	--	1
p-Isopropyltoluene	ND		ug/l	2.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
n-Propylbenzene	ND		ug/l	2.0	--	1

Project Name: NUSTYLE **Lab Number:** L2356472

Project Number: 17356 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-03 Date Collected: 09/25/23 14:10

Client ID: MW-201 Date Received: 09/26/23

Sample Location: FRANKLIN, MA Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--	1
Diethyl ether	ND		ug/l	2.0	--	1
Diisopropyl Ether	ND		ug/l	2.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	125		70-130
Dibromofluoromethane	113		70-130

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-04
Client ID: MW-201D
Sample Location: FRANKLIN, MA

Date Collected: 09/25/23 15:00
Date Received: 09/26/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 141,8260D
Analytical Date: 10/05/23 13:23
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
Trichlorofluoromethane	ND		ug/l	2.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.40	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.40	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.40	--	1
1,1-Dichloropropene	ND		ug/l	2.0	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1

Project Name: NUSTYLE **Lab Number:** L2356472

Project Number: 17356 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-04 Date Collected: 09/25/23 15:00

Client ID: MW-201D Date Received: 09/26/23

Sample Location: FRANKLIN, MA Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Trichloroethene	ND		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
Methyl tert butyl ether	ND		ug/l	2.0	--	1
p/m-Xylene	ND		ug/l	2.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	1
1,2-Dichloroethene, Total	ND		ug/l	1.0	--	1
Dibromomethane	ND		ug/l	2.0	--	1
1,2,3-Trichloropropane	ND		ug/l	2.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	2.0	--	1
Methyl ethyl ketone	ND		ug/l	5.0	--	1
Methyl isobutyl ketone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.0	--	1
Tetrahydrofuran	ND		ug/l	2.0	--	1
2,2-Dichloropropane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Bromobenzene	ND		ug/l	2.0	--	1
n-Butylbenzene	ND		ug/l	2.0	--	1
sec-Butylbenzene	ND		ug/l	2.0	--	1
tert-Butylbenzene	ND		ug/l	2.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1
p-Chlorotoluene	ND		ug/l	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	2.0	--	1
p-Isopropyltoluene	ND		ug/l	2.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
n-Propylbenzene	ND		ug/l	2.0	--	1

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-04
Client ID: MW-201D
Sample Location: FRANKLIN, MA
Date Collected: 09/25/23 15:00
Date Received: 09/26/23
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--	1
Diethyl ether	ND		ug/l	2.0	--	1
Diisopropyl Ether	ND		ug/l	2.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	116		70-130

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-05 D
Client ID: MW-202D
Sample Location: FRANKLIN, MA

Date Collected: 09/25/23 10:10
Date Received: 09/26/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 141,8260D
Analytical Date: 10/05/23 16:11
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	8.0	--	4
1,1-Dichloroethane	ND		ug/l	4.0	--	4
Chloroform	ND		ug/l	4.0	--	4
Carbon tetrachloride	ND		ug/l	4.0	--	4
1,2-Dichloropropane	ND		ug/l	4.0	--	4
Dibromochloromethane	ND		ug/l	4.0	--	4
1,1,2-Trichloroethane	ND		ug/l	4.0	--	4
Tetrachloroethene	29		ug/l	4.0	--	4
Chlorobenzene	ND		ug/l	4.0	--	4
Trichlorofluoromethane	ND		ug/l	8.0	--	4
1,2-Dichloroethane	ND		ug/l	4.0	--	4
1,1,1-Trichloroethane	37		ug/l	4.0	--	4
Bromodichloromethane	ND		ug/l	4.0	--	4
trans-1,3-Dichloropropene	ND		ug/l	1.6	--	4
cis-1,3-Dichloropropene	ND		ug/l	1.6	--	4
1,3-Dichloropropene, Total	ND		ug/l	1.6	--	4
1,1-Dichloropropene	ND		ug/l	8.0	--	4
Bromoform	ND		ug/l	8.0	--	4
1,1,2,2-Tetrachloroethane	ND		ug/l	4.0	--	4
Benzene	ND		ug/l	2.0	--	4
Toluene	ND		ug/l	4.0	--	4
Ethylbenzene	ND		ug/l	4.0	--	4
Chloromethane	ND		ug/l	8.0	--	4
Bromomethane	ND		ug/l	8.0	--	4
Vinyl chloride	ND		ug/l	4.0	--	4
Chloroethane	ND		ug/l	8.0	--	4
1,1-Dichloroethene	ND		ug/l	4.0	--	4
trans-1,2-Dichloroethene	ND		ug/l	4.0	--	4

Project Name: NUSTYLE **Lab Number:** L2356472

Project Number: 17356 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-05 D Date Collected: 09/25/23 10:10

Client ID: MW-202D Date Received: 09/26/23

Sample Location: FRANKLIN, MA Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Trichloroethene	440		ug/l	4.0	--	4
1,2-Dichlorobenzene	ND		ug/l	4.0	--	4
1,3-Dichlorobenzene	ND		ug/l	4.0	--	4
1,4-Dichlorobenzene	ND		ug/l	4.0	--	4
Methyl tert butyl ether	ND		ug/l	8.0	--	4
p/m-Xylene	ND		ug/l	8.0	--	4
o-Xylene	ND		ug/l	4.0	--	4
Xylenes, Total	ND		ug/l	4.0	--	4
cis-1,2-Dichloroethene	ND		ug/l	4.0	--	4
1,2-Dichloroethene, Total	ND		ug/l	4.0	--	4
Dibromomethane	ND		ug/l	8.0	--	4
1,2,3-Trichloropropane	ND		ug/l	8.0	--	4
Styrene	ND		ug/l	4.0	--	4
Dichlorodifluoromethane	ND		ug/l	8.0	--	4
Acetone	ND		ug/l	20	--	4
Carbon disulfide	ND		ug/l	8.0	--	4
Methyl ethyl ketone	ND		ug/l	20	--	4
Methyl isobutyl ketone	ND		ug/l	20	--	4
2-Hexanone	ND		ug/l	20	--	4
Bromochloromethane	ND		ug/l	8.0	--	4
Tetrahydrofuran	ND		ug/l	8.0	--	4
2,2-Dichloropropane	ND		ug/l	8.0	--	4
1,2-Dibromoethane	ND		ug/l	8.0	--	4
1,3-Dichloropropane	ND		ug/l	8.0	--	4
1,1,1,2-Tetrachloroethane	ND		ug/l	4.0	--	4
Bromobenzene	ND		ug/l	8.0	--	4
n-Butylbenzene	ND		ug/l	8.0	--	4
sec-Butylbenzene	ND		ug/l	8.0	--	4
tert-Butylbenzene	ND		ug/l	8.0	--	4
o-Chlorotoluene	ND		ug/l	8.0	--	4
p-Chlorotoluene	ND		ug/l	8.0	--	4
1,2-Dibromo-3-chloropropane	ND		ug/l	8.0	--	4
Hexachlorobutadiene	ND		ug/l	2.4	--	4
Isopropylbenzene	ND		ug/l	8.0	--	4
p-Isopropyltoluene	ND		ug/l	8.0	--	4
Naphthalene	ND		ug/l	8.0	--	4
n-Propylbenzene	ND		ug/l	8.0	--	4

Project Name: NUSTYLE **Lab Number:** L2356472

Project Number: 17356 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-05 D
Client ID: MW-202D
Sample Location: FRANKLIN, MA

Date Collected: 09/25/23 10:10
Date Received: 09/26/23
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/l	8.0	--	4
1,2,4-Trichlorobenzene	ND		ug/l	8.0	--	4
1,3,5-Trimethylbenzene	ND		ug/l	8.0	--	4
1,2,4-Trimethylbenzene	ND		ug/l	8.0	--	4
Diethyl ether	ND		ug/l	8.0	--	4
Diisopropyl Ether	ND		ug/l	8.0	--	4
Ethyl-Tert-Butyl-Ether	ND		ug/l	8.0	--	4
Tertiary-Amyl Methyl Ether	ND		ug/l	8.0	--	4
1,4-Dioxane	ND		ug/l	1000	--	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	117		70-130

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-06
Client ID: MW-203
Sample Location: FRANKLIN, MA

Date Collected: 09/25/23 11:35
Date Received: 09/26/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 141,8260D
Analytical Date: 10/05/23 14:05
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	15		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
Trichlorofluoromethane	ND		ug/l	2.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.40	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.40	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.40	--	1
1,1-Dichloropropene	ND		ug/l	2.0	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1

Project Name: NUSTYLE **Lab Number:** L2356472

Project Number: 17356 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-06 Date Collected: 09/25/23 11:35

Client ID: MW-203 Date Received: 09/26/23

Sample Location: FRANKLIN, MA Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Trichloroethene	23		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
Methyl tert butyl ether	ND		ug/l	2.0	--	1
p/m-Xylene	ND		ug/l	2.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	2.0		ug/l	1.0	--	1
1,2-Dichloroethene, Total	2.0		ug/l	1.0	--	1
Dibromomethane	ND		ug/l	2.0	--	1
1,2,3-Trichloropropane	ND		ug/l	2.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	2.0	--	1
Methyl ethyl ketone	ND		ug/l	5.0	--	1
Methyl isobutyl ketone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.0	--	1
Tetrahydrofuran	ND		ug/l	2.0	--	1
2,2-Dichloropropane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Bromobenzene	ND		ug/l	2.0	--	1
n-Butylbenzene	ND		ug/l	2.0	--	1
sec-Butylbenzene	ND		ug/l	2.0	--	1
tert-Butylbenzene	ND		ug/l	2.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1
p-Chlorotoluene	ND		ug/l	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	2.0	--	1
p-Isopropyltoluene	ND		ug/l	2.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
n-Propylbenzene	ND		ug/l	2.0	--	1

Project Name: NUSTYLE **Lab Number:** L2356472

Project Number: 17356 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-06 Date Collected: 09/25/23 11:35

Client ID: MW-203 Date Received: 09/26/23

Sample Location: FRANKLIN, MA Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--	1
Diethyl ether	ND		ug/l	2.0	--	1
Diisopropyl Ether	ND		ug/l	2.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	82		70-130
Dibromofluoromethane	113		70-130

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-07 D
Client ID: MW-203D
Sample Location: FRANKLIN, MA

Date Collected: 09/25/23 12:50
Date Received: 09/26/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 141,8260D
Analytical Date: 10/05/23 15:29
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	20	--	10
1,1-Dichloroethane	ND		ug/l	10	--	10
Chloroform	ND		ug/l	10	--	10
Carbon tetrachloride	ND		ug/l	10	--	10
1,2-Dichloropropane	ND		ug/l	10	--	10
Dibromochloromethane	ND		ug/l	10	--	10
1,1,2-Trichloroethane	ND		ug/l	10	--	10
Tetrachloroethene	370		ug/l	10	--	10
Chlorobenzene	ND		ug/l	10	--	10
Trichlorofluoromethane	ND		ug/l	20	--	10
1,2-Dichloroethane	ND		ug/l	10	--	10
1,1,1-Trichloroethane	36		ug/l	10	--	10
Bromodichloromethane	ND		ug/l	10	--	10
trans-1,3-Dichloropropene	ND		ug/l	4.0	--	10
cis-1,3-Dichloropropene	ND		ug/l	4.0	--	10
1,3-Dichloropropene, Total	ND		ug/l	4.0	--	10
1,1-Dichloropropene	ND		ug/l	20	--	10
Bromoform	ND		ug/l	20	--	10
1,1,2,2-Tetrachloroethane	ND		ug/l	10	--	10
Benzene	ND		ug/l	5.0	--	10
Toluene	ND		ug/l	10	--	10
Ethylbenzene	ND		ug/l	10	--	10
Chloromethane	ND		ug/l	20	--	10
Bromomethane	ND		ug/l	20	--	10
Vinyl chloride	ND		ug/l	10	--	10
Chloroethane	ND		ug/l	20	--	10
1,1-Dichloroethene	ND		ug/l	10	--	10
trans-1,2-Dichloroethene	ND		ug/l	10	--	10

Project Name: NUSTYLE **Lab Number:** L2356472

Project Number: 17356 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-07 D Date Collected: 09/25/23 12:50

Client ID: MW-203D Date Received: 09/26/23

Sample Location: FRANKLIN, MA Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Trichloroethene	890		ug/l	10	--	10
1,2-Dichlorobenzene	ND		ug/l	10	--	10
1,3-Dichlorobenzene	ND		ug/l	10	--	10
1,4-Dichlorobenzene	ND		ug/l	10	--	10
Methyl tert butyl ether	ND		ug/l	20	--	10
p/m-Xylene	ND		ug/l	20	--	10
o-Xylene	ND		ug/l	10	--	10
Xylenes, Total	ND		ug/l	10	--	10
cis-1,2-Dichloroethene	ND		ug/l	10	--	10
1,2-Dichloroethene, Total	ND		ug/l	10	--	10
Dibromomethane	ND		ug/l	20	--	10
1,2,3-Trichloropropane	ND		ug/l	20	--	10
Styrene	ND		ug/l	10	--	10
Dichlorodifluoromethane	ND		ug/l	20	--	10
Acetone	ND		ug/l	50	--	10
Carbon disulfide	ND		ug/l	20	--	10
Methyl ethyl ketone	ND		ug/l	50	--	10
Methyl isobutyl ketone	ND		ug/l	50	--	10
2-Hexanone	ND		ug/l	50	--	10
Bromochloromethane	ND		ug/l	20	--	10
Tetrahydrofuran	ND		ug/l	20	--	10
2,2-Dichloropropane	ND		ug/l	20	--	10
1,2-Dibromoethane	ND		ug/l	20	--	10
1,3-Dichloropropane	ND		ug/l	20	--	10
1,1,1,2-Tetrachloroethane	ND		ug/l	10	--	10
Bromobenzene	ND		ug/l	20	--	10
n-Butylbenzene	ND		ug/l	20	--	10
sec-Butylbenzene	ND		ug/l	20	--	10
tert-Butylbenzene	ND		ug/l	20	--	10
o-Chlorotoluene	ND		ug/l	20	--	10
p-Chlorotoluene	ND		ug/l	20	--	10
1,2-Dibromo-3-chloropropane	ND		ug/l	20	--	10
Hexachlorobutadiene	ND		ug/l	6.0	--	10
Isopropylbenzene	ND		ug/l	20	--	10
p-Isopropyltoluene	ND		ug/l	20	--	10
Naphthalene	ND		ug/l	20	--	10
n-Propylbenzene	ND		ug/l	20	--	10

Project Name: NUSTYLE **Lab Number:** L2356472

Project Number: 17356 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-07 D
Client ID: MW-203D
Sample Location: FRANKLIN, MA

Date Collected: 09/25/23 12:50
Date Received: 09/26/23
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/l	20	--	10
1,2,4-Trichlorobenzene	ND		ug/l	20	--	10
1,3,5-Trimethylbenzene	ND		ug/l	20	--	10
1,2,4-Trimethylbenzene	ND		ug/l	20	--	10
Diethyl ether	ND		ug/l	20	--	10
Diisopropyl Ether	ND		ug/l	20	--	10
Ethyl-Tert-Butyl-Ether	ND		ug/l	20	--	10
Tertiary-Amyl Methyl Ether	ND		ug/l	20	--	10
1,4-Dioxane	ND		ug/l	2500	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	110		70-130

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-08
Client ID: MW-204
Sample Location: FRANKLIN, MA

Date Collected: 09/25/23 14:40
Date Received: 09/26/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 141,8260D
Analytical Date: 10/05/23 14:47
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	4.6		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
Trichlorofluoromethane	ND		ug/l	2.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.40	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.40	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.40	--	1
1,1-Dichloropropene	ND		ug/l	2.0	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1

Project Name: NUSTYLE **Lab Number:** L2356472

Project Number: 17356 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-08 Date Collected: 09/25/23 14:40

Client ID: MW-204 Date Received: 09/26/23

Sample Location: FRANKLIN, MA Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Trichloroethene	16		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
Methyl tert butyl ether	ND		ug/l	2.0	--	1
p/m-Xylene	ND		ug/l	2.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	1
1,2-Dichloroethene, Total	ND		ug/l	1.0	--	1
Dibromomethane	ND		ug/l	2.0	--	1
1,2,3-Trichloropropane	ND		ug/l	2.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	2.0	--	1
Methyl ethyl ketone	ND		ug/l	5.0	--	1
Methyl isobutyl ketone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.0	--	1
Tetrahydrofuran	ND		ug/l	2.0	--	1
2,2-Dichloropropane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Bromobenzene	ND		ug/l	2.0	--	1
n-Butylbenzene	ND		ug/l	2.0	--	1
sec-Butylbenzene	ND		ug/l	2.0	--	1
tert-Butylbenzene	ND		ug/l	2.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1
p-Chlorotoluene	ND		ug/l	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	2.0	--	1
p-Isopropyltoluene	ND		ug/l	2.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
n-Propylbenzene	ND		ug/l	2.0	--	1

Project Name: NUSTYLE **Lab Number:** L2356472

Project Number: 17356 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-08 Date Collected: 09/25/23 14:40

Client ID: MW-204 Date Received: 09/26/23

Sample Location: FRANKLIN, MA Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--	1
Diethyl ether	ND		ug/l	2.0	--	1
Diisopropyl Ether	ND		ug/l	2.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	117		70-130

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-09
Client ID: MW-204D
Sample Location: FRANKLIN, MA

Date Collected: 09/25/23 13:30
Date Received: 09/26/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 141,8260D
Analytical Date: 10/06/23 13:01
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
Trichlorofluoromethane	ND		ug/l	2.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.40	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.40	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.40	--	1
1,1-Dichloropropene	ND		ug/l	2.0	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1

Project Name: NUSTYLE **Lab Number:** L2356472

Project Number: 17356 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-09 Date Collected: 09/25/23 13:30

Client ID: MW-204D Date Received: 09/26/23

Sample Location: FRANKLIN, MA Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Trichloroethene	ND		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
Methyl tert butyl ether	ND		ug/l	2.0	--	1
p/m-Xylene	ND		ug/l	2.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	1
1,2-Dichloroethene, Total	ND		ug/l	1.0	--	1
Dibromomethane	ND		ug/l	2.0	--	1
1,2,3-Trichloropropane	ND		ug/l	2.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	2.0	--	1
Methyl ethyl ketone	ND		ug/l	5.0	--	1
Methyl isobutyl ketone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.0	--	1
Tetrahydrofuran	ND		ug/l	2.0	--	1
2,2-Dichloropropane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Bromobenzene	ND		ug/l	2.0	--	1
n-Butylbenzene	ND		ug/l	2.0	--	1
sec-Butylbenzene	ND		ug/l	2.0	--	1
tert-Butylbenzene	ND		ug/l	2.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1
p-Chlorotoluene	ND		ug/l	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	2.0	--	1
p-Isopropyltoluene	ND		ug/l	2.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
n-Propylbenzene	ND		ug/l	2.0	--	1

Project Name: NUSTYLE **Lab Number:** L2356472

Project Number: 17356 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-09 Date Collected: 09/25/23 13:30

Client ID: MW-204D Date Received: 09/26/23

Sample Location: FRANKLIN, MA Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--	1
Diethyl ether	ND		ug/l	2.0	--	1
Diisopropyl Ether	ND		ug/l	2.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	98		70-130

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 141,8260D
Analytical Date: 10/05/23 07:03
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-08 Batch: WG1836289-5					
Methylene chloride	ND		ug/l	2.0	--
1,1-Dichloroethane	ND		ug/l	1.0	--
Chloroform	ND		ug/l	1.0	--
Carbon tetrachloride	ND		ug/l	1.0	--
1,2-Dichloropropane	ND		ug/l	1.0	--
Dibromochloromethane	ND		ug/l	1.0	--
1,1,2-Trichloroethane	ND		ug/l	1.0	--
Tetrachloroethene	ND		ug/l	1.0	--
Chlorobenzene	ND		ug/l	1.0	--
Trichlorofluoromethane	ND		ug/l	2.0	--
1,2-Dichloroethane	ND		ug/l	1.0	--
1,1,1-Trichloroethane	ND		ug/l	1.0	--
Bromodichloromethane	ND		ug/l	1.0	--
trans-1,3-Dichloropropene	ND		ug/l	0.40	--
cis-1,3-Dichloropropene	ND		ug/l	0.40	--
1,3-Dichloropropene, Total	ND		ug/l	0.40	--
1,1-Dichloropropene	ND		ug/l	2.0	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	1.0	--
Ethylbenzene	ND		ug/l	1.0	--
Chloromethane	ND		ug/l	2.0	--
Bromomethane	ND		ug/l	2.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	2.0	--
1,1-Dichloroethene	ND		ug/l	1.0	--
trans-1,2-Dichloroethene	ND		ug/l	1.0	--
Trichloroethene	ND		ug/l	1.0	--

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 141,8260D
Analytical Date: 10/05/23 07:03
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-08 Batch: WG1836289-5					
1,2-Dichlorobenzene	ND		ug/l	1.0	--
1,3-Dichlorobenzene	ND		ug/l	1.0	--
1,4-Dichlorobenzene	ND		ug/l	1.0	--
Methyl tert butyl ether	ND		ug/l	2.0	--
p/m-Xylene	ND		ug/l	2.0	--
o-Xylene	ND		ug/l	1.0	--
Xylenes, Total	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	1.0	--
1,2-Dichloroethene, Total	ND		ug/l	1.0	--
Dibromomethane	ND		ug/l	2.0	--
1,2,3-Trichloropropane	ND		ug/l	2.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	2.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	2.0	--
Methyl ethyl ketone	ND		ug/l	5.0	--
Methyl isobutyl ketone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.0	--
Tetrahydrofuran	ND		ug/l	2.0	--
2,2-Dichloropropane	ND		ug/l	2.0	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--
Bromobenzene	ND		ug/l	2.0	--
n-Butylbenzene	ND		ug/l	2.0	--
sec-Butylbenzene	ND		ug/l	2.0	--
tert-Butylbenzene	ND		ug/l	2.0	--
o-Chlorotoluene	ND		ug/l	2.0	--

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 141,8260D
Analytical Date: 10/05/23 07:03
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-08 Batch: WG1836289-5					
p-Chlorotoluene	ND		ug/l	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--
Hexachlorobutadiene	ND		ug/l	0.60	--
Isopropylbenzene	ND		ug/l	2.0	--
p-Isopropyltoluene	ND		ug/l	2.0	--
Naphthalene	ND		ug/l	2.0	--
n-Propylbenzene	ND		ug/l	2.0	--
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--
Diethyl ether	ND		ug/l	2.0	--
Diisopropyl Ether	ND		ug/l	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	111		70-130

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 141,8260D
Analytical Date: 10/06/23 05:05
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 09 Batch: WG1837334-5					
Methylene chloride	ND		ug/l	2.0	--
1,1-Dichloroethane	ND		ug/l	1.0	--
Chloroform	ND		ug/l	1.0	--
Carbon tetrachloride	ND		ug/l	1.0	--
1,2-Dichloropropane	ND		ug/l	1.0	--
Dibromochloromethane	ND		ug/l	1.0	--
1,1,2-Trichloroethane	ND		ug/l	1.0	--
Tetrachloroethene	ND		ug/l	1.0	--
Chlorobenzene	ND		ug/l	1.0	--
Trichlorofluoromethane	ND		ug/l	2.0	--
1,2-Dichloroethane	ND		ug/l	1.0	--
1,1,1-Trichloroethane	ND		ug/l	1.0	--
Bromodichloromethane	ND		ug/l	1.0	--
trans-1,3-Dichloropropene	ND		ug/l	0.40	--
cis-1,3-Dichloropropene	ND		ug/l	0.40	--
1,3-Dichloropropene, Total	ND		ug/l	0.40	--
1,1-Dichloropropene	ND		ug/l	2.0	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	1.0	--
Ethylbenzene	ND		ug/l	1.0	--
Chloromethane	ND		ug/l	2.0	--
Bromomethane	ND		ug/l	2.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	2.0	--
1,1-Dichloroethene	ND		ug/l	1.0	--
trans-1,2-Dichloroethene	ND		ug/l	1.0	--
Trichloroethene	ND		ug/l	1.0	--

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 141,8260D
Analytical Date: 10/06/23 05:05
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 09 Batch: WG1837334-5					
1,2-Dichlorobenzene	ND		ug/l	1.0	--
1,3-Dichlorobenzene	ND		ug/l	1.0	--
1,4-Dichlorobenzene	ND		ug/l	1.0	--
Methyl tert butyl ether	ND		ug/l	2.0	--
p/m-Xylene	ND		ug/l	2.0	--
o-Xylene	ND		ug/l	1.0	--
Xylenes, Total	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	1.0	--
1,2-Dichloroethene, Total	ND		ug/l	1.0	--
Dibromomethane	ND		ug/l	2.0	--
1,2,3-Trichloropropane	ND		ug/l	2.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	2.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	2.0	--
Methyl ethyl ketone	ND		ug/l	5.0	--
Methyl isobutyl ketone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.0	--
Tetrahydrofuran	ND		ug/l	2.0	--
2,2-Dichloropropane	ND		ug/l	2.0	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--
Bromobenzene	ND		ug/l	2.0	--
n-Butylbenzene	ND		ug/l	2.0	--
sec-Butylbenzene	ND		ug/l	2.0	--
tert-Butylbenzene	ND		ug/l	2.0	--
o-Chlorotoluene	ND		ug/l	2.0	--

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 141,8260D
Analytical Date: 10/06/23 05:05
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 09 Batch: WG1837334-5					
p-Chlorotoluene	ND		ug/l	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--
Hexachlorobutadiene	ND		ug/l	0.60	--
Isopropylbenzene	ND		ug/l	2.0	--
p-Isopropyltoluene	ND		ug/l	2.0	--
Naphthalene	ND		ug/l	2.0	--
n-Propylbenzene	ND		ug/l	2.0	--
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--
Diethyl ether	ND		ug/l	2.0	--
Diisopropyl Ether	ND		ug/l	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: NUSTYLE

Project Number: 17356

Lab Number: L2356472

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-08 Batch: WG1836289-3 WG1836289-4								
Methylene chloride	95		96		70-130	1		20
1,1-Dichloroethane	96		98		70-130	2		20
Chloroform	91		92		70-130	1		20
Carbon tetrachloride	90		88		70-130	2		20
1,2-Dichloropropane	92		96		70-130	4		20
Dibromochloromethane	90		84		70-130	7		20
1,1,2-Trichloroethane	97		92		70-130	5		20
Tetrachloroethene	88		87		70-130	1		20
Chlorobenzene	91		91		70-130	0		20
Trichlorofluoromethane	91		94		70-130	3		20
1,2-Dichloroethane	90		88		70-130	2		20
1,1,1-Trichloroethane	90		92		70-130	2		20
Bromodichloromethane	93		92		70-130	1		20
trans-1,3-Dichloropropene	90		88		70-130	2		20
cis-1,3-Dichloropropene	90		86		70-130	5		20
1,1-Dichloropropene	88		91		70-130	3		20
Bromoform	85		88		70-130	3		20
1,1,2,2-Tetrachloroethane	99		99		70-130	0		20
Benzene	90		91		70-130	1		20
Toluene	94		93		70-130	1		20
Ethylbenzene	92		92		70-130	0		20
Chloromethane	98		100		70-130	2		20
Bromomethane	78		84		70-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: NUSTYLE

Project Number: 17356

Lab Number: L2356472

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-08 Batch: WG1836289-3 WG1836289-4								
Vinyl chloride	120		120		70-130	0		20
Chloroethane	120		120		70-130	0		20
1,1-Dichloroethene	92		96		70-130	4		20
trans-1,2-Dichloroethene	91		95		70-130	4		20
Trichloroethene	82		83		70-130	1		20
1,2-Dichlorobenzene	94		89		70-130	5		20
1,3-Dichlorobenzene	94		91		70-130	3		20
1,4-Dichlorobenzene	90		88		70-130	2		20
Methyl tert butyl ether	70		**67**	Q	70-130	4		20
p/m-Xylene	85		90		70-130	6		20
o-Xylene	90		85		70-130	6		20
cis-1,2-Dichloroethene	90		92		70-130	2		20
Dibromomethane	89		90		70-130	1		20
1,2,3-Trichloropropane	93		93		70-130	0		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	96		96		70-130	0		20
Acetone	88		75		70-130	16		20
Carbon disulfide	99		100		70-130	1		20
Methyl ethyl ketone	79		78		70-130	1		20
Methyl isobutyl ketone	80		79		70-130	1		20
2-Hexanone	82		82		70-130	0		20
Bromochloromethane	95		93		70-130	2		20
Tetrahydrofuran	76		78		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: NUSTYLE

Project Number: 17356

Lab Number: L2356472

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-08 Batch: WG1836289-3 WG1836289-4								
2,2-Dichloropropane	86		87		70-130	1		20
1,2-Dibromoethane	87		86		70-130	1		20
1,3-Dichloropropane	91		89		70-130	2		20
1,1,1,2-Tetrachloroethane	89		89		70-130	0		20
Bromobenzene	87		86		70-130	1		20
n-Butylbenzene	100		99		70-130	1		20
sec-Butylbenzene	95		96		70-130	1		20
tert-Butylbenzene	91		90		70-130	1		20
o-Chlorotoluene	94		94		70-130	0		20
p-Chlorotoluene	95		96		70-130	1		20
1,2-Dibromo-3-chloropropane	87		84		70-130	4		20
Hexachlorobutadiene	86		83		70-130	4		20
Isopropylbenzene	87		90		70-130	3		20
p-Isopropyltoluene	92		92		70-130	0		20
Naphthalene	81		78		70-130	4		20
n-Propylbenzene	93		94		70-130	1		20
1,2,3-Trichlorobenzene	84		82		70-130	2		20
1,2,4-Trichlorobenzene	83		81		70-130	2		20
1,3,5-Trimethylbenzene	94		94		70-130	0		20
1,2,4-Trimethylbenzene	93		92		70-130	1		20
Diethyl ether	80		78		70-130	3		20
Diisopropyl Ether	85		87		70-130	2		20
Ethyl-Tert-Butyl-Ether	78		74		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: NUSTYLE

Project Number: 17356

Lab Number: L2356472

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-08 Batch: WG1836289-3 WG1836289-4								
Tertiary-Amyl Methyl Ether	74		73		70-130	1		20
1,4-Dioxane	72		74		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		96		70-130
Toluene-d8	107		105		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	103		101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: NUSTYLE

Project Number: 17356

Lab Number: L2356472

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 09 Batch: WG1837334-3 WG1837334-4								
Methylene chloride	98		97		70-130	1		20
1,1-Dichloroethane	100		99		70-130	1		20
Chloroform	95		95		70-130	0		20
Carbon tetrachloride	110		100		70-130	10		20
1,2-Dichloropropane	96		97		70-130	1		20
Dibromochloromethane	97		96		70-130	1		20
1,1,2-Trichloroethane	99		97		70-130	2		20
Tetrachloroethene	100		98		70-130	2		20
Chlorobenzene	98		98		70-130	0		20
Trichlorofluoromethane	110		130		70-130	17		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	100		98		70-130	2		20
Bromodichloromethane	96		98		70-130	2		20
trans-1,3-Dichloropropene	96		96		70-130	0		20
cis-1,3-Dichloropropene	91		91		70-130	0		20
1,1-Dichloropropene	100		98		70-130	2		20
Bromoform	85		85		70-130	0		20
1,1,2,2-Tetrachloroethane	95		99		70-130	4		20
Benzene	100		99		70-130	1		20
Toluene	100		100		70-130	0		20
Ethylbenzene	96		93		70-130	3		20
Chloromethane	110		100		70-130	10		20
Bromomethane	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: NUSTYLE

Project Number: 17356

Lab Number: L2356472

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 09 Batch: WG1837334-3 WG1837334-4								
Vinyl chloride	110		110		70-130	0		20
Chloroethane	110		110		70-130	0		20
1,1-Dichloroethene	100		98		70-130	2		20
trans-1,2-Dichloroethene	100		95		70-130	5		20
Trichloroethene	91		90		70-130	1		20
1,2-Dichlorobenzene	94		94		70-130	0		20
1,3-Dichlorobenzene	94		93		70-130	1		20
1,4-Dichlorobenzene	95		92		70-130	3		20
Methyl tert butyl ether	100		100		70-130	0		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	99		96		70-130	3		20
Dibromomethane	97		100		70-130	3		20
1,2,3-Trichloropropane	92		94		70-130	2		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	110		100		70-130	10		20
Acetone	120		120		70-130	0		20
Carbon disulfide	100		97		70-130	3		20
Methyl ethyl ketone	94		120		70-130	**24**	Q	20
Methyl isobutyl ketone	98		100		70-130	2		20
2-Hexanone	100		100		70-130	0		20
Bromochloromethane	98		97		70-130	1		20
Tetrahydrofuran	110		110		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: NUSTYLE

Project Number: 17356

Lab Number: L2356472

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 09 Batch: WG1837334-3 WG1837334-4								
2,2-Dichloropropane	100		100		70-130	0		20
1,2-Dibromoethane	100		100		70-130	0		20
1,3-Dichloropropane	97		99		70-130	2		20
1,1,1,2-Tetrachloroethane	93		92		70-130	1		20
Bromobenzene	98		96		70-130	2		20
n-Butylbenzene	94		94		70-130	0		20
sec-Butylbenzene	97		95		70-130	2		20
tert-Butylbenzene	96		94		70-130	2		20
o-Chlorotoluene	93		90		70-130	3		20
p-Chlorotoluene	96		93		70-130	3		20
1,2-Dibromo-3-chloropropane	100		100		70-130	0		20
Hexachlorobutadiene	110		100		70-130	10		20
Isopropylbenzene	96		93		70-130	3		20
p-Isopropyltoluene	97		95		70-130	2		20
Naphthalene	94		98		70-130	4		20
n-Propylbenzene	96		92		70-130	4		20
1,2,3-Trichlorobenzene	92		93		70-130	1		20
1,2,4-Trichlorobenzene	88		92		70-130	4		20
1,3,5-Trimethylbenzene	94		94		70-130	0		20
1,2,4-Trimethylbenzene	93		92		70-130	1		20
Diethyl ether	100		100		70-130	0		20
Diisopropyl Ether	100		97		70-130	3		20
Ethyl-Tert-Butyl-Ether	99		97		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: NUSTYLE

Project Number: 17356

Lab Number: L2356472

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 09 Batch: WG1837334-3 WG1837334-4								
Tertiary-Amyl Methyl Ether	92		95		70-130	3		20
1,4-Dioxane	124		118		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		94		70-130
Toluene-d8	102		100		70-130
4-Bromofluorobenzene	101		98		70-130
Dibromofluoromethane	98		100		70-130

PETROLEUM HYDROCARBONS

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-01
Client ID: MW-101S
Sample Location: FRANKLIN, MA
Date Collected: 09/25/23 09:25
Date Received: 09/26/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 131,VPH-18-2.1
Analytical Date: 10/03/23 21:51
Analyst: BAD

Trap: EST, Carbopack B/Carboxen 1000&1001
Analytical Column: Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received: Satisfactory
Aqueous Preservative: Laboratory Provided Preserved Container
Sample Temperature upon receipt: Received on Ice

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		ug/l	100	--	1
C9-C12 Aliphatics	ND		ug/l	100	--	1
C9-C10 Aromatics	ND		ug/l	100	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/l	100	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/l	100	--	1
Benzene	ND		ug/l	2.00	--	1
Toluene	ND		ug/l	2.00	--	1
Ethylbenzene	ND		ug/l	2.00	--	1
p/m-Xylene	ND		ug/l	2.00	--	1
o-Xylene	ND		ug/l	2.00	--	1
Methyl tert butyl ether	ND		ug/l	3.00	--	1
Naphthalene	ND		ug/l	4.00	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	101		70-130
2,5-Dibromotoluene-FID	103		70-130

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID:	L2356472-01			Date Collected:	09/25/23 09:25
Client ID:	MW-101S			Date Received:	09/26/23
Sample Location:	FRANKLIN, MA			Field Prep:	Refer to COC
Sample Depth:					
Matrix:	Water			Extraction Method:	EPA 3510C
Analytical Method:	135,EPH-19-2.1			Extraction Date:	10/05/23 18:34
Analytical Date:	10/08/23 10:34	M.S. Analytical Date:	10/08/23 12:43	Cleanup Method1:	EPH-19-2.1
Analyst:	SC	M.S. Analyst:	JJW	Cleanup Date1:	10/07/23

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

EPH w/Targets via GCMS-SIM - Westborough Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
C9-C18 Aliphatics	ND		ug/l	100	--	1
C19-C36 Aliphatics	ND		ug/l	100	--	1
C11-C22 Aromatics	135		ug/l	100	--	1
C11-C22 Aromatics, Adjusted	135		ug/l	100	--	1
Naphthalene	ND		ug/l	0.400	--	1
2-Methylnaphthalene	ND		ug/l	0.400	--	1
Acenaphthylene	ND		ug/l	0.400	--	1
Acenaphthene	ND		ug/l	0.400	--	1
Fluorene	ND		ug/l	0.400	--	1
Phenanthrene	ND		ug/l	0.400	--	1
Anthracene	ND		ug/l	0.400	--	1
Fluoranthene	ND		ug/l	0.400	--	1
Pyrene	ND		ug/l	0.400	--	1
Benzo(a)anthracene	ND		ug/l	0.400	--	1
Chrysene	ND		ug/l	0.400	--	1
Benzo(b)fluoranthene	ND		ug/l	0.400	--	1
Benzo(k)fluoranthene	ND		ug/l	0.400	--	1
Benzo(a)pyrene	ND		ug/l	0.200	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.400	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.400	--	1
Benzo(ghi)perylene	ND		ug/l	0.400	--	1

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-01
Client ID: MW-101S
Sample Location: FRANKLIN, MA
Date Collected: 09/25/23 09:25
Date Received: 09/26/23
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

EPH w/Targets via GCMS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	76		40-140
o-Terphenyl	80		40-140
2-Fluorobiphenyl	86		40-140
2-Bromonaphthalene	88		40-140
O-Terphenyl-MS	81		40-140

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-02
Client ID: MW-2
Sample Location: FRANKLIN, MA
Date Collected: 09/25/23 11:40
Date Received: 09/26/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 131,VPH-18-2.1
Analytical Date: 10/03/23 22:22
Analyst: BAD

Trap: EST, Carbopack B/Carboxen 1000&1001
Analytical Column: Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received: Satisfactory
Aqueous Preservative: Laboratory Provided Preserved Container
Sample Temperature upon receipt: Received on Ice

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		ug/l	100	--	1
C9-C12 Aliphatics	ND		ug/l	100	--	1
C9-C10 Aromatics	ND		ug/l	100	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/l	100	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/l	100	--	1
Benzene	ND		ug/l	2.00	--	1
Toluene	ND		ug/l	2.00	--	1
Ethylbenzene	ND		ug/l	2.00	--	1
p/m-Xylene	ND		ug/l	2.00	--	1
o-Xylene	ND		ug/l	2.00	--	1
Methyl tert butyl ether	ND		ug/l	3.00	--	1
Naphthalene	ND		ug/l	4.00	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	105		70-130
2,5-Dibromotoluene-FID	107		70-130

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID:	L2356472-02			Date Collected:	09/25/23 11:40
Client ID:	MW-2			Date Received:	09/26/23
Sample Location:	FRANKLIN, MA			Field Prep:	Refer to COC
Sample Depth:					
Matrix:	Water			Extraction Method:	EPA 3510C
Analytical Method:	135,EPH-19-2.1			Extraction Date:	10/05/23 18:34
Analytical Date:	10/08/23 11:09	M.S. Analytical Date:	10/08/23 12:59	Cleanup Method1:	EPH-19-2.1
Analyst:	SC	M.S. Analyst:	JJW	Cleanup Date1:	10/07/23

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

EPH w/Targets via GCMS-SIM - Westborough Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
C9-C18 Aliphatics	ND		ug/l	100	--	1
C19-C36 Aliphatics	ND		ug/l	100	--	1
C11-C22 Aromatics	ND		ug/l	100	--	1
C11-C22 Aromatics, Adjusted	ND		ug/l	100	--	1
Naphthalene	ND		ug/l	0.400	--	1
2-Methylnaphthalene	ND		ug/l	0.400	--	1
Acenaphthylene	ND		ug/l	0.400	--	1
Acenaphthene	ND		ug/l	0.400	--	1
Fluorene	ND		ug/l	0.400	--	1
Phenanthrene	ND		ug/l	0.400	--	1
Anthracene	ND		ug/l	0.400	--	1
Fluoranthene	ND		ug/l	0.400	--	1
Pyrene	ND		ug/l	0.400	--	1
Benzo(a)anthracene	ND		ug/l	0.400	--	1
Chrysene	ND		ug/l	0.400	--	1
Benzo(b)fluoranthene	ND		ug/l	0.400	--	1
Benzo(k)fluoranthene	ND		ug/l	0.400	--	1
Benzo(a)pyrene	ND		ug/l	0.200	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.400	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.400	--	1
Benzo(ghi)perylene	ND		ug/l	0.400	--	1

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-02
Client ID: MW-2
Sample Location: FRANKLIN, MA
Date Collected: 09/25/23 11:40
Date Received: 09/26/23
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

EPH w/Targets via GCMS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	79		40-140
o-Terphenyl	75		40-140
2-Fluorobiphenyl	81		40-140
2-Bromonaphthalene	83		40-140
O-Terphenyl-MS	83		40-140

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-03
Client ID: MW-201
Sample Location: FRANKLIN, MA
Date Collected: 09/25/23 14:10
Date Received: 09/26/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 131,VPH-18-2.1
Analytical Date: 10/03/23 22:52
Analyst: BAD

Trap: EST, Carbopack B/Carboxen 1000&1001
Analytical Column: Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received: Satisfactory
Aqueous Preservative: Laboratory Provided Preserved Container
Sample Temperature upon receipt: Received on Ice

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		ug/l	100	--	1
C9-C12 Aliphatics	178		ug/l	100	--	1
C9-C10 Aromatics	ND		ug/l	100	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/l	100	--	1
C9-C12 Aliphatics, Adjusted	178		ug/l	100	--	1
Benzene	ND		ug/l	2.00	--	1
Toluene	ND		ug/l	2.00	--	1
Ethylbenzene	ND		ug/l	2.00	--	1
p/m-Xylene	ND		ug/l	2.00	--	1
o-Xylene	ND		ug/l	2.00	--	1
Methyl tert butyl ether	ND		ug/l	3.00	--	1
Naphthalene	ND		ug/l	4.00	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	100		70-130
2,5-Dibromotoluene-FID	96		70-130

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID:	L2356472-03			Date Collected:	09/25/23 14:10
Client ID:	MW-201			Date Received:	09/26/23
Sample Location:	FRANKLIN, MA			Field Prep:	Refer to COC
Sample Depth:					
Matrix:	Water			Extraction Method:	EPA 3510C
Analytical Method:	135,EPH-19-2.1			Extraction Date:	10/05/23 18:35
Analytical Date:	10/08/23 11:44	M.S. Analytical Date:	10/08/23 13:16	Cleanup Method1:	EPH-19-2.1
Analyst:	SC	M.S. Analyst:	JJW	Cleanup Date1:	10/07/23

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

EPH w/Targets via GCMS-SIM - Westborough Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
C9-C18 Aliphatics	111		ug/l	100	--	1
C19-C36 Aliphatics	ND		ug/l	100	--	1
C11-C22 Aromatics	ND		ug/l	100	--	1
C11-C22 Aromatics, Adjusted	ND		ug/l	100	--	1
Naphthalene	ND		ug/l	0.400	--	1
2-Methylnaphthalene	ND		ug/l	0.400	--	1
Acenaphthylene	ND		ug/l	0.400	--	1
Acenaphthene	ND		ug/l	0.400	--	1
Fluorene	ND		ug/l	0.400	--	1
Phenanthrene	ND		ug/l	0.400	--	1
Anthracene	ND		ug/l	0.400	--	1
Fluoranthene	ND		ug/l	0.400	--	1
Pyrene	ND		ug/l	0.400	--	1
Benzo(a)anthracene	ND		ug/l	0.400	--	1
Chrysene	ND		ug/l	0.400	--	1
Benzo(b)fluoranthene	ND		ug/l	0.400	--	1
Benzo(k)fluoranthene	ND		ug/l	0.400	--	1
Benzo(a)pyrene	ND		ug/l	0.200	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.400	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.400	--	1
Benzo(ghi)perylene	ND		ug/l	0.400	--	1

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-03
Client ID: MW-201
Sample Location: FRANKLIN, MA
Date Collected: 09/25/23 14:10
Date Received: 09/26/23
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

EPH w/Targets via GCMS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	74		40-140
o-Terphenyl	74		40-140
2-Fluorobiphenyl	85		40-140
2-Bromonaphthalene	86		40-140
O-Terphenyl-MS	83		40-140

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-04
Client ID: MW-201D
Sample Location: FRANKLIN, MA
Date Collected: 09/25/23 15:00
Date Received: 09/26/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 131,VPH-18-2.1
Analytical Date: 10/03/23 23:22
Analyst: BAD

Trap: EST, Carbopack B/Carboxen 1000&1001
Analytical Column: Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received: Satisfactory
Aqueous Preservative: Laboratory Provided Preserved Container
Sample Temperature upon receipt: Received on Ice

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		ug/l	100	--	1
C9-C12 Aliphatics	ND		ug/l	100	--	1
C9-C10 Aromatics	ND		ug/l	100	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/l	100	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/l	100	--	1
Benzene	ND		ug/l	2.00	--	1
Toluene	ND		ug/l	2.00	--	1
Ethylbenzene	ND		ug/l	2.00	--	1
p/m-Xylene	ND		ug/l	2.00	--	1
o-Xylene	ND		ug/l	2.00	--	1
Methyl tert butyl ether	ND		ug/l	3.00	--	1
Naphthalene	ND		ug/l	4.00	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	104		70-130
2,5-Dibromotoluene-FID	107		70-130

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID:	L2356472-04			Date Collected:	09/25/23 15:00
Client ID:	MW-201D			Date Received:	09/26/23
Sample Location:	FRANKLIN, MA			Field Prep:	Refer to COC
Sample Depth:					
Matrix:	Water			Extraction Method:	EPA 3510C
Analytical Method:	135,EPH-19-2.1			Extraction Date:	10/05/23 18:35
Analytical Date:	10/08/23 12:19	M.S. Analytical Date:	10/08/23 13:33	Cleanup Method1:	EPH-19-2.1
Analyst:	SC	M.S. Analyst:	JJW	Cleanup Date1:	10/07/23

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

EPH w/Targets via GCMS-SIM - Westborough Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
C9-C18 Aliphatics	ND		ug/l	100	--	1
C19-C36 Aliphatics	ND		ug/l	100	--	1
C11-C22 Aromatics	ND		ug/l	100	--	1
C11-C22 Aromatics, Adjusted	ND		ug/l	100	--	1
Naphthalene	ND		ug/l	0.400	--	1
2-Methylnaphthalene	ND		ug/l	0.400	--	1
Acenaphthylene	ND		ug/l	0.400	--	1
Acenaphthene	ND		ug/l	0.400	--	1
Fluorene	ND		ug/l	0.400	--	1
Phenanthrene	ND		ug/l	0.400	--	1
Anthracene	ND		ug/l	0.400	--	1
Fluoranthene	ND		ug/l	0.400	--	1
Pyrene	ND		ug/l	0.400	--	1
Benzo(a)anthracene	ND		ug/l	0.400	--	1
Chrysene	ND		ug/l	0.400	--	1
Benzo(b)fluoranthene	ND		ug/l	0.400	--	1
Benzo(k)fluoranthene	ND		ug/l	0.400	--	1
Benzo(a)pyrene	ND		ug/l	0.200	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.400	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.400	--	1
Benzo(ghi)perylene	ND		ug/l	0.400	--	1

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-04
Client ID: MW-201D
Sample Location: FRANKLIN, MA
Date Collected: 09/25/23 15:00
Date Received: 09/26/23
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

EPH w/Targets via GCMS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	82		40-140
o-Terphenyl	83		40-140
2-Fluorobiphenyl	84		40-140
2-Bromonaphthalene	86		40-140
O-Terphenyl-MS	91		40-140

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-05
Client ID: MW-202D
Sample Location: FRANKLIN, MA
Date Collected: 09/25/23 10:10
Date Received: 09/26/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 131,VPH-18-2.1
Analytical Date: 10/03/23 23:52
Analyst: BAD

Trap: EST, Carbopack B/Carboxen 1000&1001
Analytical Column: Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received: Satisfactory
Aqueous Preservative: Laboratory Provided Preserved Container
Sample Temperature upon receipt: Received on Ice

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	154		ug/l	100	--	1
C9-C12 Aliphatics	ND		ug/l	100	--	1
C9-C10 Aromatics	ND		ug/l	100	--	1
C5-C8 Aliphatics, Adjusted	154		ug/l	100	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/l	100	--	1
Benzene	ND		ug/l	2.00	--	1
Toluene	ND		ug/l	2.00	--	1
Ethylbenzene	ND		ug/l	2.00	--	1
p/m-Xylene	ND		ug/l	2.00	--	1
o-Xylene	ND		ug/l	2.00	--	1
Methyl tert butyl ether	ND		ug/l	3.00	--	1
Naphthalene	ND		ug/l	4.00	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	93		70-130
2,5-Dibromotoluene-FID	95		70-130

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID:	L2356472-05			Date Collected:	09/25/23 10:10
Client ID:	MW-202D			Date Received:	09/26/23
Sample Location:	FRANKLIN, MA			Field Prep:	Refer to COC
Sample Depth:					
Matrix:	Water			Extraction Method:	EPA 3510C
Analytical Method:	135,EPH-19-2.1			Extraction Date:	10/05/23 18:35
Analytical Date:	10/08/23 12:54	M.S. Analytical Date:	10/08/23 13:50	Cleanup Method1:	EPH-19-2.1
Analyst:	SC	M.S. Analyst:	JJW	Cleanup Date1:	10/07/23

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

EPH w/Targets via GCMS-SIM - Westborough Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
C9-C18 Aliphatics	ND		ug/l	100	--	1
C19-C36 Aliphatics	ND		ug/l	100	--	1
C11-C22 Aromatics	ND		ug/l	100	--	1
C11-C22 Aromatics, Adjusted	ND		ug/l	100	--	1
Naphthalene	ND		ug/l	0.400	--	1
2-Methylnaphthalene	ND		ug/l	0.400	--	1
Acenaphthylene	ND		ug/l	0.400	--	1
Acenaphthene	ND		ug/l	0.400	--	1
Fluorene	ND		ug/l	0.400	--	1
Phenanthrene	ND		ug/l	0.400	--	1
Anthracene	ND		ug/l	0.400	--	1
Fluoranthene	ND		ug/l	0.400	--	1
Pyrene	ND		ug/l	0.400	--	1
Benzo(a)anthracene	ND		ug/l	0.400	--	1
Chrysene	ND		ug/l	0.400	--	1
Benzo(b)fluoranthene	ND		ug/l	0.400	--	1
Benzo(k)fluoranthene	ND		ug/l	0.400	--	1
Benzo(a)pyrene	ND		ug/l	0.200	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.400	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.400	--	1
Benzo(ghi)perylene	ND		ug/l	0.400	--	1

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-05
Client ID: MW-202D
Sample Location: FRANKLIN, MA
Date Collected: 09/25/23 10:10
Date Received: 09/26/23
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

EPH w/Targets via GCMS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	79		40-140
o-Terphenyl	78		40-140
2-Fluorobiphenyl	80		40-140
2-Bromonaphthalene	82		40-140
O-Terphenyl-MS	87		40-140

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-06
Client ID: MW-203
Sample Location: FRANKLIN, MA
Date Collected: 09/25/23 11:35
Date Received: 09/26/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 131,VPH-18-2.1
Analytical Date: 10/04/23 00:22
Analyst: BAD

Trap: EST, Carbopack B/Carboxen 1000&1001
Analytical Column: Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received: Satisfactory
Aqueous Preservative: Laboratory Provided Preserved Container
Sample Temperature upon receipt: Received on Ice

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		ug/l	100	--	1
C9-C12 Aliphatics	ND		ug/l	100	--	1
C9-C10 Aromatics	ND		ug/l	100	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/l	100	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/l	100	--	1
Benzene	ND		ug/l	2.00	--	1
Toluene	ND		ug/l	2.00	--	1
Ethylbenzene	ND		ug/l	2.00	--	1
p/m-Xylene	ND		ug/l	2.00	--	1
o-Xylene	ND		ug/l	2.00	--	1
Methyl tert butyl ether	ND		ug/l	3.00	--	1
Naphthalene	ND		ug/l	4.00	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	97		70-130
2,5-Dibromotoluene-FID	99		70-130

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID:	L2356472-06			Date Collected:	09/25/23 11:35
Client ID:	MW-203			Date Received:	09/26/23
Sample Location:	FRANKLIN, MA			Field Prep:	Refer to COC
Sample Depth:					
Matrix:	Water			Extraction Method:	EPA 3510C
Analytical Method:	135,EPH-19-2.1			Extraction Date:	10/05/23 18:35
Analytical Date:	10/08/23 13:29	M.S. Analytical Date:	10/08/23 14:06	Cleanup Method1:	EPH-19-2.1
Analyst:	SC	M.S. Analyst:	JJW	Cleanup Date1:	10/07/23

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

EPH w/Targets via GCMS-SIM - Westborough Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
C9-C18 Aliphatics	ND		ug/l	100	--	1
C19-C36 Aliphatics	ND		ug/l	100	--	1
C11-C22 Aromatics	ND		ug/l	100	--	1
C11-C22 Aromatics, Adjusted	ND		ug/l	100	--	1
Naphthalene	0.422		ug/l	0.400	--	1
2-Methylnaphthalene	ND		ug/l	0.400	--	1
Acenaphthylene	ND		ug/l	0.400	--	1
Acenaphthene	ND		ug/l	0.400	--	1
Fluorene	ND		ug/l	0.400	--	1
Phenanthrene	ND		ug/l	0.400	--	1
Anthracene	ND		ug/l	0.400	--	1
Fluoranthene	ND		ug/l	0.400	--	1
Pyrene	ND		ug/l	0.400	--	1
Benzo(a)anthracene	ND		ug/l	0.400	--	1
Chrysene	ND		ug/l	0.400	--	1
Benzo(b)fluoranthene	ND		ug/l	0.400	--	1
Benzo(k)fluoranthene	ND		ug/l	0.400	--	1
Benzo(a)pyrene	ND		ug/l	0.200	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.400	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.400	--	1
Benzo(ghi)perylene	ND		ug/l	0.400	--	1

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-06
Client ID: MW-203
Sample Location: FRANKLIN, MA
Date Collected: 09/25/23 11:35
Date Received: 09/26/23
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

EPH w/Targets via GCMS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	81		40-140
o-Terphenyl	78		40-140
2-Fluorobiphenyl	83		40-140
2-Bromonaphthalene	84		40-140
O-Terphenyl-MS	86		40-140

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID:	L2356472-07			Date Collected:	09/25/23 12:50
Client ID:	MW-203D			Date Received:	09/26/23
Sample Location:	FRANKLIN, MA			Field Prep:	Refer to COC
Sample Depth:					
Matrix:	Water			Extraction Method:	EPA 3510C
Analytical Method:	135,EPH-19-2.1			Extraction Date:	10/05/23 18:35
Analytical Date:	10/08/23 14:04	M.S. Analytical Date:	10/08/23 14:23	Cleanup Method1:	EPH-19-2.1
Analyst:	SC	M.S. Analyst:	JJW	Cleanup Date1:	10/07/23

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

EPH w/Targets via GCMS-SIM - Westborough Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
C9-C18 Aliphatics	ND		ug/l	100	--	1
C19-C36 Aliphatics	ND		ug/l	100	--	1
C11-C22 Aromatics	ND		ug/l	100	--	1
C11-C22 Aromatics, Adjusted	ND		ug/l	100	--	1
Naphthalene	ND		ug/l	0.400	--	1
2-Methylnaphthalene	ND		ug/l	0.400	--	1
Acenaphthylene	ND		ug/l	0.400	--	1
Acenaphthene	ND		ug/l	0.400	--	1
Fluorene	ND		ug/l	0.400	--	1
Phenanthrene	ND		ug/l	0.400	--	1
Anthracene	ND		ug/l	0.400	--	1
Fluoranthene	ND		ug/l	0.400	--	1
Pyrene	ND		ug/l	0.400	--	1
Benzo(a)anthracene	ND		ug/l	0.400	--	1
Chrysene	ND		ug/l	0.400	--	1
Benzo(b)fluoranthene	ND		ug/l	0.400	--	1
Benzo(k)fluoranthene	ND		ug/l	0.400	--	1
Benzo(a)pyrene	ND		ug/l	0.200	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.400	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.400	--	1
Benzo(ghi)perylene	ND		ug/l	0.400	--	1

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-07
Client ID: MW-203D
Sample Location: FRANKLIN, MA
Date Collected: 09/25/23 12:50
Date Received: 09/26/23
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

EPH w/Targets via GCMS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	82		40-140
o-Terphenyl	81		40-140
2-Fluorobiphenyl	82		40-140
2-Bromonaphthalene	84		40-140
O-Terphenyl-MS	93		40-140

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-07 D
Client ID: MW-203D
Sample Location: FRANKLIN, MA

Date Collected: 09/25/23 12:50
Date Received: 09/26/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 131,VPH-18-2.1
Analytical Date: 10/05/23 20:46
Analyst: BAD

Trap: EST, Carbopack B/Carboxen 1000&1001

Analytical Column: Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received: Satisfactory
Aqueous Preservative: Laboratory Provided Preserved Container
Sample Temperature upon receipt: Received on Ice

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	391		ug/l	200	--	2
C9-C12 Aliphatics	ND		ug/l	200	--	2
C9-C10 Aromatics	ND		ug/l	200	--	2
C5-C8 Aliphatics, Adjusted	391		ug/l	200	--	2
C9-C12 Aliphatics, Adjusted	ND		ug/l	200	--	2
Benzene	ND		ug/l	4.00	--	2
Toluene	ND		ug/l	4.00	--	2
Ethylbenzene	ND		ug/l	4.00	--	2
p/m-Xylene	ND		ug/l	4.00	--	2
o-Xylene	ND		ug/l	4.00	--	2
Methyl tert butyl ether	ND		ug/l	6.00	--	2
Naphthalene	ND		ug/l	8.00	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	93		70-130
2,5-Dibromotoluene-FID	95		70-130

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-08
Client ID: MW-204
Sample Location: FRANKLIN, MA

Date Collected: 09/25/23 14:40
Date Received: 09/26/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 131,VPH-18-2.1
Analytical Date: 10/04/23 01:22
Analyst: BAD

Trap: EST, Carbopack B/Carboxen 1000&1001

Analytical Column: Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received: Satisfactory
Aqueous Preservative: Laboratory Provided Preserved Container
Sample Temperature upon receipt: Received on Ice

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		ug/l	100	--	1
C9-C12 Aliphatics	ND		ug/l	100	--	1
C9-C10 Aromatics	ND		ug/l	100	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/l	100	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/l	100	--	1
Benzene	ND		ug/l	2.00	--	1
Toluene	ND		ug/l	2.00	--	1
Ethylbenzene	ND		ug/l	2.00	--	1
p/m-Xylene	ND		ug/l	2.00	--	1
o-Xylene	ND		ug/l	2.00	--	1
Methyl tert butyl ether	ND		ug/l	3.00	--	1
Naphthalene	ND		ug/l	4.00	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	94		70-130
2,5-Dibromotoluene-FID	96		70-130

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID:	L2356472-08			Date Collected:	09/25/23 14:40
Client ID:	MW-204			Date Received:	09/26/23
Sample Location:	FRANKLIN, MA			Field Prep:	Refer to COC
Sample Depth:					
Matrix:	Water			Extraction Method:	EPA 3510C
Analytical Method:	135,EPH-19-2.1			Extraction Date:	10/05/23 18:35
Analytical Date:	10/08/23 14:39	M.S. Analytical Date:	10/08/23 14:40	Cleanup Method1:	EPH-19-2.1
Analyst:	SC	M.S. Analyst:	JJW	Cleanup Date1:	10/07/23

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

EPH w/Targets via GCMS-SIM - Westborough Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
C9-C18 Aliphatics	ND		ug/l	100	--	1
C19-C36 Aliphatics	ND		ug/l	100	--	1
C11-C22 Aromatics	ND		ug/l	100	--	1
C11-C22 Aromatics, Adjusted	ND		ug/l	100	--	1
Naphthalene	ND		ug/l	0.400	--	1
2-Methylnaphthalene	ND		ug/l	0.400	--	1
Acenaphthylene	ND		ug/l	0.400	--	1
Acenaphthene	ND		ug/l	0.400	--	1
Fluorene	ND		ug/l	0.400	--	1
Phenanthrene	ND		ug/l	0.400	--	1
Anthracene	ND		ug/l	0.400	--	1
Fluoranthene	ND		ug/l	0.400	--	1
Pyrene	ND		ug/l	0.400	--	1
Benzo(a)anthracene	ND		ug/l	0.400	--	1
Chrysene	ND		ug/l	0.400	--	1
Benzo(b)fluoranthene	ND		ug/l	0.400	--	1
Benzo(k)fluoranthene	ND		ug/l	0.400	--	1
Benzo(a)pyrene	ND		ug/l	0.200	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.400	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.400	--	1
Benzo(ghi)perylene	ND		ug/l	0.400	--	1

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-08
Client ID: MW-204
Sample Location: FRANKLIN, MA
Date Collected: 09/25/23 14:40
Date Received: 09/26/23
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

EPH w/Targets via GCMS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	75		40-140
o-Terphenyl	75		40-140
2-Fluorobiphenyl	81		40-140
2-Bromonaphthalene	84		40-140
O-Terphenyl-MS	82		40-140

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-09
Client ID: MW-204D
Sample Location: FRANKLIN, MA
Date Collected: 09/25/23 13:30
Date Received: 09/26/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 131,VPH-18-2.1
Analytical Date: 10/04/23 01:52
Analyst: BAD

Trap: EST, Carbopack B/Carboxen 1000&1001
Analytical Column: Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received: Satisfactory
Aqueous Preservative: Laboratory Provided Preserved Container
Sample Temperature upon receipt: Received on Ice

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		ug/l	100	--	1
C9-C12 Aliphatics	ND		ug/l	100	--	1
C9-C10 Aromatics	ND		ug/l	100	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/l	100	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/l	100	--	1
Benzene	ND		ug/l	2.00	--	1
Toluene	ND		ug/l	2.00	--	1
Ethylbenzene	ND		ug/l	2.00	--	1
p/m-Xylene	ND		ug/l	2.00	--	1
o-Xylene	ND		ug/l	2.00	--	1
Methyl tert butyl ether	ND		ug/l	3.00	--	1
Naphthalene	ND		ug/l	4.00	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	88		70-130
2,5-Dibromotoluene-FID	91		70-130

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID:	L2356472-09			Date Collected:	09/25/23 13:30
Client ID:	MW-204D			Date Received:	09/26/23
Sample Location:	FRANKLIN, MA			Field Prep:	Refer to COC
Sample Depth:					
Matrix:	Water			Extraction Method:	EPA 3510C
Analytical Method:	135,EPH-19-2.1			Extraction Date:	10/05/23 21:51
Analytical Date:	10/08/23 15:14	M.S. Analytical Date:	10/08/23 14:56	Cleanup Method1:	EPH-19-2.1
Analyst:	SC	M.S. Analyst:	JJW	Cleanup Date1:	10/07/23

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

EPH w/Targets via GCMS-SIM - Westborough Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
C9-C18 Aliphatics	ND		ug/l	100	--	1
C19-C36 Aliphatics	ND		ug/l	100	--	1
C11-C22 Aromatics	ND		ug/l	100	--	1
C11-C22 Aromatics, Adjusted	ND		ug/l	100	--	1
Naphthalene	ND		ug/l	0.400	--	1
2-Methylnaphthalene	ND		ug/l	0.400	--	1
Acenaphthylene	ND		ug/l	0.400	--	1
Acenaphthene	ND		ug/l	0.400	--	1
Fluorene	ND		ug/l	0.400	--	1
Phenanthrene	ND		ug/l	0.400	--	1
Anthracene	ND		ug/l	0.400	--	1
Fluoranthene	ND		ug/l	0.400	--	1
Pyrene	ND		ug/l	0.400	--	1
Benzo(a)anthracene	ND		ug/l	0.400	--	1
Chrysene	ND		ug/l	0.400	--	1
Benzo(b)fluoranthene	ND		ug/l	0.400	--	1
Benzo(k)fluoranthene	ND		ug/l	0.400	--	1
Benzo(a)pyrene	ND		ug/l	0.200	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.400	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.400	--	1
Benzo(ghi)perylene	ND		ug/l	0.400	--	1

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-09
Client ID: MW-204D
Sample Location: FRANKLIN, MA
Date Collected: 09/25/23 13:30
Date Received: 09/26/23
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

EPH w/Targets via GCMS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	78		40-140
o-Terphenyl	79		40-140
2-Fluorobiphenyl	88		40-140
2-Bromonaphthalene	90		40-140
O-Terphenyl-MS	81		40-140

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 135,EPH-19-2.1
Analytical Date: 10/06/23 07:56
Analyst: SC
M.S. Analytical Date: 10/06/23 08:03
M.S. Analyst: AH
Extraction Method: EPA 3510C
Extraction Date: 10/05/23 09:03
Cleanup Method: EPH-19-2.1
Cleanup Date: 10/06/23

Parameter	Result	Qualifier	Units	RL	MDL
EPH w/Targets via GCMS-SIM - Westborough Lab for sample(s): 01-09 Batch: WG1835919-1					
C9-C18 Aliphatics	ND		ug/l	100	--
C19-C36 Aliphatics	ND		ug/l	100	--
C11-C22 Aromatics	ND		ug/l	100	--
C11-C22 Aromatics, Adjusted	ND		ug/l	100	--
Naphthalene	ND		ug/l	0.400	--
2-Methylnaphthalene	ND		ug/l	0.400	--
Acenaphthylene	ND		ug/l	0.400	--
Acenaphthene	ND		ug/l	0.400	--
Fluorene	ND		ug/l	0.400	--
Phenanthrene	ND		ug/l	0.400	--
Anthracene	ND		ug/l	0.400	--
Fluoranthene	ND		ug/l	0.400	--
Pyrene	ND		ug/l	0.400	--
Benzo(a)anthracene	ND		ug/l	0.400	--
Chrysene	ND		ug/l	0.400	--
Benzo(b)fluoranthene	ND		ug/l	0.400	--
Benzo(k)fluoranthene	ND		ug/l	0.400	--
Benzo(a)pyrene	ND		ug/l	0.200	--
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.400	--
Dibenzo(a,h)anthracene	ND		ug/l	0.400	--
Benzo(ghi)perylene	ND		ug/l	0.400	--

Project Name: NUSTYLE
Project Number: 17356

Lab Number: L2356472
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 135,EPH-19-2.1
Analytical Date: 10/06/23 07:56
Analyst: SC

M.S. Analytical Date: 10/06/23 08:03
M.S. Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 10/05/23 09:03
Cleanup Method: EPH-19-2.1
Cleanup Date: 10/06/23

Parameter	Result	Qualifier	Units	RL	MDL
EPH w/Targets via GCMS-SIM - Westborough Lab for sample(s): 01-09 Batch: WG1835919-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	70		40-140
o-Terphenyl	59		40-140
2-Fluorobiphenyl	61		40-140
2-Bromonaphthalene	65		40-140
O-Terphenyl-MS	73		40-140

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 131,VPH-18-2.1
Analytical Date: 10/03/23 18:21
Analyst: BAD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Petroleum Hydrocarbons - Westborough Lab for sample(s): 01-06,08-09 Batch: WG1836079-4					
C5-C8 Aliphatics	ND		ug/l	100	--
C9-C12 Aliphatics	ND		ug/l	100	--
C9-C10 Aromatics	ND		ug/l	100	--
C5-C8 Aliphatics, Adjusted	ND		ug/l	100	--
C9-C12 Aliphatics, Adjusted	ND		ug/l	100	--
Benzene	ND		ug/l	2.00	--
Toluene	ND		ug/l	2.00	--
Ethylbenzene	ND		ug/l	2.00	--
p/m-Xylene	ND		ug/l	2.00	--
o-Xylene	ND		ug/l	2.00	--
Methyl tert butyl ether	ND		ug/l	3.00	--
Naphthalene	ND		ug/l	4.00	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	91		70-130
2,5-Dibromotoluene-FID	93		70-130

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 131,VPH-18-2.1
Analytical Date: 10/05/23 20:16
Analyst: BAD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Petroleum Hydrocarbons - Westborough Lab for sample(s): 07 Batch: WG1836566-4					
C5-C8 Aliphatics	ND		ug/l	100	--
C9-C12 Aliphatics	ND		ug/l	100	--
C9-C10 Aromatics	ND		ug/l	100	--
C5-C8 Aliphatics, Adjusted	ND		ug/l	100	--
C9-C12 Aliphatics, Adjusted	ND		ug/l	100	--
Benzene	ND		ug/l	2.00	--
Toluene	ND		ug/l	2.00	--
Ethylbenzene	ND		ug/l	2.00	--
p/m-Xylene	ND		ug/l	2.00	--
o-Xylene	ND		ug/l	2.00	--
Methyl tert butyl ether	ND		ug/l	3.00	--
Naphthalene	ND		ug/l	4.00	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	93		70-130
2,5-Dibromotoluene-FID	96		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NUSTYLE
Project Number: 17356

Lab Number: L2356472
Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
EPH w/Targets via GCMS-SIM - Westborough Lab Associated sample(s): 01-09 Batch: WG1835919-2 WG1835919-3								
C9-C18 Aliphatics	62		67		40-140	8		25
C19-C36 Aliphatics	79		77		40-140	3		25
C11-C22 Aromatics	68		74		40-140	8		25
Naphthalene	62		81		40-140	**27**	Q	25
2-Methylnaphthalene	67		85		40-140	24		25
Acenaphthylene	77		96		40-140	22		25
Acenaphthene	76		92		40-140	19		25
Fluorene	85		103		40-140	19		25
Phenanthrene	89		100		40-140	12		25
Anthracene	103		114		40-140	10		25
Fluoranthene	103		118		40-140	14		25
Pyrene	105		122		40-140	15		25
Benzo(a)anthracene	110		122		40-140	10		25
Chrysene	94		104		40-140	10		25
Benzo(b)fluoranthene	99		114		40-140	14		25
Benzo(k)fluoranthene	103		115		40-140	11		25
Benzo(a)pyrene	123		138		40-140	11		25
Indeno(1,2,3-cd)Pyrene	117		127		40-140	8		25
Dibenzo(a,h)anthracene	91		97		40-140	6		25
Benzo(ghi)perylene	73		76		40-140	4		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: NUSTYLE

Project Number: 17356

Lab Number: L2356472

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
EPH w/Targets via GCMS-SIM - Westborough Lab Associated sample(s): 01-09 Batch: WG1835919-2 WG1835919-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	71		69		40-140
o-Terphenyl	62		67		40-140
2-Fluorobiphenyl	62		73		40-140
2-Bromonaphthalene	69		80		40-140
O-Terphenyl-MS	90		102		40-140
% Naphthalene Breakthrough	0		0		
% 2-Methylnaphthalene Breakthrough	0		0		

Lab Control Sample Analysis

Batch Quality Control

Project Name: NUSTYLE

Project Number: 17356

Lab Number: L2356472

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-06,08-09 Batch: WG1836079-2 WG1836079-3								
C5-C8 Aliphatics	109		112		70-130	3		25
C9-C12 Aliphatics	103		107		70-130	4		25
C9-C10 Aromatics	98		100		70-130	2		25
Benzene	104		106		70-130	2		25
Toluene	104		106		70-130	2		25
Ethylbenzene	104		107		70-130	3		25
p/m-Xylene	102		104		70-130	2		25
o-Xylene	102		104		70-130	2		25
Methyl tert butyl ether	102		103		70-130	1		25
Naphthalene	98		99		70-130	1		25
1,2,4-Trimethylbenzene	98		100		70-130	2		25
Pentane	110		113		70-130	3		25
2-Methylpentane	110		113		70-130	3		25
2,2,4-Trimethylpentane	106		110		70-130	4		25
n-Nonane	103		107		30-130	4		25
n-Decane	102		107		70-130	5		25
n-Butylcyclohexane	105		108		70-130	3		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,5-Dibromotoluene-PID	96		94		70-130
2,5-Dibromotoluene-FID	97		95		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: NUSTYLE

Project Number: 17356

Lab Number: L2356472

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 07 Batch: WG1836566-2 WG1836566-3								
C5-C8 Aliphatics	105		110		70-130	5		25
C9-C12 Aliphatics	100		106		70-130	6		25
C9-C10 Aromatics	100		103		70-130	3		25
Benzene	104		109		70-130	5		25
Toluene	105		109		70-130	4		25
Ethylbenzene	105		109		70-130	4		25
p/m-Xylene	102		106		70-130	4		25
o-Xylene	104		109		70-130	5		25
Methyl tert butyl ether	109		113		70-130	4		25
Naphthalene	102		104		70-130	2		25
1,2,4-Trimethylbenzene	99		103		70-130	4		25
Pentane	105		110		70-130	5		25
2-Methylpentane	106		112		70-130	6		25
2,2,4-Trimethylpentane	103		109		70-130	6		25
n-Nonane	100		105		30-130	5		25
n-Decane	99		105		70-130	6		25
n-Butylcyclohexane	102		107		70-130	5		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,5-Dibromotoluene-PID	102		100		70-130
2,5-Dibromotoluene-FID	103		102		70-130

METALS

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-01
Client ID: MW-101S
Sample Location: FRANKLIN, MA
Sample Depth:
Matrix: Water

Date Collected: 09/25/23 09:25
Date Received: 09/26/23
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Mansfield Lab											
Antimony, Dissolved	ND		mg/l	0.0040	--	1	09/28/23 02:45	10/09/23 16:49	EPA 3005A	97,6020B	WKP
Arsenic, Dissolved	ND		mg/l	0.0050	--	1	09/28/23 02:45	09/28/23 13:10	EPA 3005A	97,6010D	MRC
Barium, Dissolved	0.0235		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:10	EPA 3005A	97,6010D	MRC
Beryllium, Dissolved	ND		mg/l	0.0005	--	1	09/28/23 02:45	10/09/23 16:49	EPA 3005A	97,6020B	WKP
Cadmium, Dissolved	ND		mg/l	0.0040	--	1	09/28/23 02:45	09/28/23 13:10	EPA 3005A	97,6010D	MRC
Chromium, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:10	EPA 3005A	97,6010D	MRC
Lead, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:10	EPA 3005A	97,6010D	MRC
Nickel, Dissolved	ND		mg/l	0.0250	--	1	09/28/23 02:45	09/28/23 13:10	EPA 3005A	97,6010D	MRC
Selenium, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:10	EPA 3005A	97,6010D	MRC
Silver, Dissolved	ND		mg/l	0.0070	--	1	09/28/23 02:45	09/28/23 13:10	EPA 3005A	97,6010D	MRC
Thallium, Dissolved	ND		mg/l	0.0010	--	1	09/28/23 02:45	10/09/23 16:49	EPA 3005A	97,6020B	WKP
Vanadium, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:10	EPA 3005A	97,6010D	MRC
Zinc, Dissolved	0.0553		mg/l	0.0500	--	1	09/28/23 02:45	09/28/23 13:10	EPA 3005A	97,6010D	MRC

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-02
Client ID: MW-2
Sample Location: FRANKLIN, MA
Sample Depth:
Matrix: Water

Date Collected: 09/25/23 11:40
Date Received: 09/26/23
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Mansfield Lab											
Antimony, Dissolved	ND		mg/l	0.0040	--	1	09/28/23 02:45	10/09/23 16:54	EPA 3005A	97,6020B	WKP
Arsenic, Dissolved	ND		mg/l	0.0050	--	1	09/28/23 02:45	09/28/23 13:13	EPA 3005A	97,6010D	MRC
Barium, Dissolved	0.0728		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:13	EPA 3005A	97,6010D	MRC
Beryllium, Dissolved	ND		mg/l	0.0005	--	1	09/28/23 02:45	10/09/23 16:54	EPA 3005A	97,6020B	WKP
Cadmium, Dissolved	ND		mg/l	0.0040	--	1	09/28/23 02:45	09/28/23 13:13	EPA 3005A	97,6010D	MRC
Chromium, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:13	EPA 3005A	97,6010D	MRC
Lead, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:13	EPA 3005A	97,6010D	MRC
Nickel, Dissolved	0.0572		mg/l	0.0250	--	1	09/28/23 02:45	09/28/23 13:13	EPA 3005A	97,6010D	MRC
Selenium, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:13	EPA 3005A	97,6010D	MRC
Silver, Dissolved	ND		mg/l	0.0070	--	1	09/28/23 02:45	09/28/23 13:13	EPA 3005A	97,6010D	MRC
Thallium, Dissolved	ND		mg/l	0.0010	--	1	09/28/23 02:45	10/09/23 16:54	EPA 3005A	97,6020B	WKP
Vanadium, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:13	EPA 3005A	97,6010D	MRC
Zinc, Dissolved	ND		mg/l	0.0500	--	1	09/28/23 02:45	09/28/23 13:13	EPA 3005A	97,6010D	MRC

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-03
Client ID: MW-201
Sample Location: FRANKLIN, MA
Sample Depth:
Matrix: Water

Date Collected: 09/25/23 14:10
Date Received: 09/26/23
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Mansfield Lab											
Antimony, Dissolved	0.0073		mg/l	0.0040	--	1	09/28/23 02:45	10/09/23 16:58	EPA 3005A	97,6020B	WKP
Arsenic, Dissolved	ND		mg/l	0.0050	--	1	09/28/23 02:45	09/28/23 13:16	EPA 3005A	97,6010D	MRC
Barium, Dissolved	0.113		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:16	EPA 3005A	97,6010D	MRC
Beryllium, Dissolved	ND		mg/l	0.0005	--	1	09/28/23 02:45	10/09/23 16:58	EPA 3005A	97,6020B	WKP
Cadmium, Dissolved	ND		mg/l	0.0040	--	1	09/28/23 02:45	09/28/23 13:16	EPA 3005A	97,6010D	MRC
Chromium, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:16	EPA 3005A	97,6010D	MRC
Lead, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:16	EPA 3005A	97,6010D	MRC
Nickel, Dissolved	0.0634		mg/l	0.0250	--	1	09/28/23 02:45	09/28/23 13:16	EPA 3005A	97,6010D	MRC
Selenium, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:16	EPA 3005A	97,6010D	MRC
Silver, Dissolved	ND		mg/l	0.0070	--	1	09/28/23 02:45	09/28/23 13:16	EPA 3005A	97,6010D	MRC
Thallium, Dissolved	ND		mg/l	0.0010	--	1	09/28/23 02:45	10/09/23 16:58	EPA 3005A	97,6020B	WKP
Vanadium, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:16	EPA 3005A	97,6010D	MRC
Zinc, Dissolved	ND		mg/l	0.0500	--	1	09/28/23 02:45	09/28/23 13:16	EPA 3005A	97,6010D	MRC

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-04
Client ID: MW-201D
Sample Location: FRANKLIN, MA
Sample Depth:
Matrix: Water

Date Collected: 09/25/23 15:00
Date Received: 09/26/23
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Mansfield Lab											
Antimony, Dissolved	ND		mg/l	0.0040	--	1	09/28/23 02:45	10/09/23 18:33	EPA 3005A	97,6020B	WKP
Arsenic, Dissolved	ND		mg/l	0.0050	--	1	09/28/23 02:45	09/28/23 13:19	EPA 3005A	97,6010D	MRC
Barium, Dissolved	0.128		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:19	EPA 3005A	97,6010D	MRC
Beryllium, Dissolved	0.0018		mg/l	0.0005	--	1	09/28/23 02:45	10/09/23 18:33	EPA 3005A	97,6020B	WKP
Cadmium, Dissolved	ND		mg/l	0.0040	--	1	09/28/23 02:45	09/28/23 13:19	EPA 3005A	97,6010D	MRC
Chromium, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:19	EPA 3005A	97,6010D	MRC
Lead, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:19	EPA 3005A	97,6010D	MRC
Nickel, Dissolved	ND		mg/l	0.0250	--	1	09/28/23 02:45	09/28/23 13:19	EPA 3005A	97,6010D	MRC
Selenium, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:19	EPA 3005A	97,6010D	MRC
Silver, Dissolved	ND		mg/l	0.0070	--	1	09/28/23 02:45	09/28/23 13:19	EPA 3005A	97,6010D	MRC
Thallium, Dissolved	ND		mg/l	0.0010	--	1	09/28/23 02:45	10/09/23 18:33	EPA 3005A	97,6020B	WKP
Vanadium, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:19	EPA 3005A	97,6010D	MRC
Zinc, Dissolved	ND		mg/l	0.0500	--	1	09/28/23 02:45	09/28/23 13:19	EPA 3005A	97,6010D	MRC

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-05
Client ID: MW-202D
Sample Location: FRANKLIN, MA
Sample Depth:
Matrix: Water

Date Collected: 09/25/23 10:10
Date Received: 09/26/23
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Mansfield Lab											
Antimony, Dissolved	ND		mg/l	0.0040	--	1	09/28/23 02:45	10/09/23 17:08	EPA 3005A	97,6020B	WKP
Arsenic, Dissolved	ND		mg/l	0.0050	--	1	09/28/23 02:45	09/28/23 13:22	EPA 3005A	97,6010D	MRC
Barium, Dissolved	0.0784		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:22	EPA 3005A	97,6010D	MRC
Beryllium, Dissolved	0.0006		mg/l	0.0005	--	1	09/28/23 02:45	10/09/23 17:08	EPA 3005A	97,6020B	WKP
Cadmium, Dissolved	ND		mg/l	0.0040	--	1	09/28/23 02:45	09/28/23 13:22	EPA 3005A	97,6010D	MRC
Chromium, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:22	EPA 3005A	97,6010D	MRC
Lead, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:22	EPA 3005A	97,6010D	MRC
Nickel, Dissolved	ND		mg/l	0.0250	--	1	09/28/23 02:45	09/28/23 13:22	EPA 3005A	97,6010D	MRC
Selenium, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:22	EPA 3005A	97,6010D	MRC
Silver, Dissolved	ND		mg/l	0.0070	--	1	09/28/23 02:45	09/28/23 13:22	EPA 3005A	97,6010D	MRC
Thallium, Dissolved	ND		mg/l	0.0010	--	1	09/28/23 02:45	10/09/23 17:08	EPA 3005A	97,6020B	WKP
Vanadium, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:22	EPA 3005A	97,6010D	MRC
Zinc, Dissolved	ND		mg/l	0.0500	--	1	09/28/23 02:45	09/28/23 13:22	EPA 3005A	97,6010D	MRC

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-06
Client ID: MW-203
Sample Location: FRANKLIN, MA
Sample Depth:
Matrix: Water

Date Collected: 09/25/23 11:35
Date Received: 09/26/23
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Mansfield Lab											
Antimony, Dissolved	ND		mg/l	0.0040	--	1	09/28/23 02:45	10/09/23 17:38	EPA 3005A	97,6020B	WKP
Arsenic, Dissolved	ND		mg/l	0.0050	--	1	09/28/23 02:45	09/28/23 13:34	EPA 3005A	97,6010D	MRC
Barium, Dissolved	0.0881		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:34	EPA 3005A	97,6010D	MRC
Beryllium, Dissolved	ND		mg/l	0.0005	--	1	09/28/23 02:45	10/09/23 17:38	EPA 3005A	97,6020B	WKP
Cadmium, Dissolved	ND		mg/l	0.0040	--	1	09/28/23 02:45	09/28/23 13:34	EPA 3005A	97,6010D	MRC
Chromium, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:34	EPA 3005A	97,6010D	MRC
Lead, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:34	EPA 3005A	97,6010D	MRC
Nickel, Dissolved	0.125		mg/l	0.0250	--	1	09/28/23 02:45	09/28/23 13:34	EPA 3005A	97,6010D	MRC
Selenium, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:34	EPA 3005A	97,6010D	MRC
Silver, Dissolved	ND		mg/l	0.0070	--	1	09/28/23 02:45	09/28/23 13:34	EPA 3005A	97,6010D	MRC
Thallium, Dissolved	ND		mg/l	0.0010	--	1	09/28/23 02:45	10/09/23 17:38	EPA 3005A	97,6020B	WKP
Vanadium, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:34	EPA 3005A	97,6010D	MRC
Zinc, Dissolved	ND		mg/l	0.0500	--	1	09/28/23 02:45	09/28/23 13:34	EPA 3005A	97,6010D	MRC

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-07
Client ID: MW-203D
Sample Location: FRANKLIN, MA
Sample Depth:
Matrix: Water

Date Collected: 09/25/23 12:50
Date Received: 09/26/23
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Mansfield Lab											
Antimony, Dissolved	ND		mg/l	0.0040	--	1	09/28/23 02:45	10/09/23 17:43	EPA 3005A	97,6020B	WKP
Arsenic, Dissolved	ND		mg/l	0.0050	--	1	09/28/23 02:45	09/28/23 13:37	EPA 3005A	97,6010D	MRC
Barium, Dissolved	0.0853		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:37	EPA 3005A	97,6010D	MRC
Beryllium, Dissolved	0.0019		mg/l	0.0005	--	1	09/28/23 02:45	10/09/23 17:43	EPA 3005A	97,6020B	WKP
Cadmium, Dissolved	ND		mg/l	0.0040	--	1	09/28/23 02:45	09/28/23 13:37	EPA 3005A	97,6010D	MRC
Chromium, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:37	EPA 3005A	97,6010D	MRC
Lead, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:37	EPA 3005A	97,6010D	MRC
Nickel, Dissolved	ND		mg/l	0.0250	--	1	09/28/23 02:45	09/28/23 13:37	EPA 3005A	97,6010D	MRC
Selenium, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:37	EPA 3005A	97,6010D	MRC
Silver, Dissolved	ND		mg/l	0.0070	--	1	09/28/23 02:45	09/28/23 13:37	EPA 3005A	97,6010D	MRC
Thallium, Dissolved	ND		mg/l	0.0010	--	1	09/28/23 02:45	10/09/23 17:43	EPA 3005A	97,6020B	WKP
Vanadium, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:37	EPA 3005A	97,6010D	MRC
Zinc, Dissolved	ND		mg/l	0.0500	--	1	09/28/23 02:45	09/28/23 13:37	EPA 3005A	97,6010D	MRC

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-08
Client ID: MW-204
Sample Location: FRANKLIN, MA
Sample Depth:
Matrix: Water

Date Collected: 09/25/23 14:40
Date Received: 09/26/23
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Mansfield Lab											
Antimony, Dissolved	ND		mg/l	0.0040	--	1	09/28/23 02:45	10/09/23 17:48	EPA 3005A	97,6020B	WKP
Arsenic, Dissolved	ND		mg/l	0.0050	--	1	09/28/23 02:45	09/28/23 13:40	EPA 3005A	97,6010D	MRC
Barium, Dissolved	0.123		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:40	EPA 3005A	97,6010D	MRC
Beryllium, Dissolved	ND		mg/l	0.0005	--	1	09/28/23 02:45	10/09/23 17:48	EPA 3005A	97,6020B	WKP
Cadmium, Dissolved	ND		mg/l	0.0040	--	1	09/28/23 02:45	09/28/23 13:40	EPA 3005A	97,6010D	MRC
Chromium, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:40	EPA 3005A	97,6010D	MRC
Lead, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:40	EPA 3005A	97,6010D	MRC
Nickel, Dissolved	ND		mg/l	0.0250	--	1	09/28/23 02:45	09/28/23 13:40	EPA 3005A	97,6010D	MRC
Selenium, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:40	EPA 3005A	97,6010D	MRC
Silver, Dissolved	ND		mg/l	0.0070	--	1	09/28/23 02:45	09/28/23 13:40	EPA 3005A	97,6010D	MRC
Thallium, Dissolved	ND		mg/l	0.0010	--	1	09/28/23 02:45	10/09/23 17:48	EPA 3005A	97,6020B	WKP
Vanadium, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:40	EPA 3005A	97,6010D	MRC
Zinc, Dissolved	ND		mg/l	0.0500	--	1	09/28/23 02:45	09/28/23 13:40	EPA 3005A	97,6010D	MRC

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2356472-09
Client ID: MW-204D
Sample Location: FRANKLIN, MA
Sample Depth:
Matrix: Water

Date Collected: 09/25/23 13:30
Date Received: 09/26/23
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Mansfield Lab											
Antimony, Dissolved	ND		mg/l	0.0040	--	1	09/28/23 02:45	10/09/23 17:52	EPA 3005A	97,6020B	WKP
Arsenic, Dissolved	ND		mg/l	0.0050	--	1	09/28/23 02:45	09/28/23 13:43	EPA 3005A	97,6010D	MRC
Barium, Dissolved	0.164		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:43	EPA 3005A	97,6010D	MRC
Beryllium, Dissolved	ND		mg/l	0.0005	--	1	09/28/23 02:45	10/09/23 17:52	EPA 3005A	97,6020B	WKP
Cadmium, Dissolved	ND		mg/l	0.0040	--	1	09/28/23 02:45	09/28/23 13:43	EPA 3005A	97,6010D	MRC
Chromium, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:43	EPA 3005A	97,6010D	MRC
Lead, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:43	EPA 3005A	97,6010D	MRC
Nickel, Dissolved	ND		mg/l	0.0250	--	1	09/28/23 02:45	09/28/23 13:43	EPA 3005A	97,6010D	MRC
Selenium, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:43	EPA 3005A	97,6010D	MRC
Silver, Dissolved	ND		mg/l	0.0070	--	1	09/28/23 02:45	09/28/23 13:43	EPA 3005A	97,6010D	MRC
Thallium, Dissolved	ND		mg/l	0.0010	--	1	09/28/23 02:45	10/09/23 17:52	EPA 3005A	97,6020B	WKP
Vanadium, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 13:43	EPA 3005A	97,6010D	MRC
Zinc, Dissolved	ND		mg/l	0.0500	--	1	09/28/23 02:45	09/28/23 13:43	EPA 3005A	97,6010D	MRC

Project Name: NUSTYLE
Project Number: 17356
Lab Number: L2356472
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Dissolved Metals - Mansfield Lab for sample(s): 01-09 Batch: WG1832800-1										
Arsenic, Dissolved	ND		mg/l	0.0050	--	1	09/28/23 02:45	09/28/23 12:35	97,6010D	MRC
Barium, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 12:35	97,6010D	MRC
Cadmium, Dissolved	ND		mg/l	0.0040	--	1	09/28/23 02:45	09/28/23 12:35	97,6010D	MRC
Chromium, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 12:35	97,6010D	MRC
Lead, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 12:35	97,6010D	MRC
Nickel, Dissolved	ND		mg/l	0.0250	--	1	09/28/23 02:45	09/28/23 12:35	97,6010D	MRC
Selenium, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 12:35	97,6010D	MRC
Silver, Dissolved	ND		mg/l	0.0070	--	1	09/28/23 02:45	09/28/23 12:35	97,6010D	MRC
Vanadium, Dissolved	ND		mg/l	0.0100	--	1	09/28/23 02:45	09/28/23 12:35	97,6010D	MRC
Zinc, Dissolved	ND		mg/l	0.0500	--	1	09/28/23 02:45	09/28/23 12:35	97,6010D	MRC

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Dissolved Metals - Mansfield Lab for sample(s): 01-09 Batch: WG1832802-1										
Antimony, Dissolved	ND		mg/l	0.0040	--	1	09/28/23 02:45	10/09/23 16:44	97,6020B	WKP
Beryllium, Dissolved	ND		mg/l	0.0005	--	1	09/28/23 02:45	10/09/23 16:44	97,6020B	WKP
Thallium, Dissolved	ND		mg/l	0.0010	--	1	09/28/23 02:45	10/09/23 16:44	97,6020B	WKP

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: NUSTYLE

Project Number: 17356

Lab Number: L2356472

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Dissolved Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG1832800-2 WG1832800-3								
Arsenic, Dissolved	106		101		80-120	5		20
Barium, Dissolved	104		99		80-120	5		20
Cadmium, Dissolved	97		98		80-120	1		20
Chromium, Dissolved	103		104		80-120	1		20
Lead, Dissolved	106		102		80-120	4		20
Nickel, Dissolved	99		101		80-120	2		20
Selenium, Dissolved	112		108		80-120	4		20
Silver, Dissolved	103		104		80-120	1		20
Vanadium, Dissolved	100		100		80-120	0		20
Zinc, Dissolved	100		102		80-120	2		20
MCP Dissolved Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG1832802-2 WG1832802-3								
Antimony, Dissolved	80		83		80-120	4		20
Beryllium, Dissolved	104		100		80-120	4		20
Thallium, Dissolved	103		100		80-120	3		20

Project Name: NUSTYLE
Project Number: 17356

Lab Number: L2356472
Report Date: 10/10/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2356472-01A	Vial HCl preserved	A	NA		3.9	Y	Absent		MCP-8260-21(14)
L2356472-01B	Vial HCl preserved	A	NA		3.9	Y	Absent		MCP-8260-21(14)
L2356472-01C	Vial HCl preserved	A	NA		3.9	Y	Absent		MCP-8260-21(14)
L2356472-01D	Vial HCl preserved	A	NA		3.9	Y	Absent		VPH-DELUX-18(14)
L2356472-01E	Vial HCl preserved	A	NA		3.9	Y	Absent		VPH-DELUX-18(14)
L2356472-01F	Vial HCl preserved	A	NA		3.9	Y	Absent		VPH-DELUX-18(14)
L2356472-01G	Plastic 250ml HNO3 preserved	A	<2	<2	3.9	Y	Absent		MCP-BE-6020S-10(180),MCP-CD-6010S-10(180),MCP-AG-6010S-10(180),MCP-SB-6020S-10(180),MCP-ZN-6010S-10(180),MCP-CR-6010S-10(180),MCP-TL-6020S-10(180),MCP-AS-6010S-10(180),MCP-BA-6010S-10(180),MCP-PB-6010S-10(180),MCP-NI-6010S-10(180),MCP-V-6010S-10(180),MCP-SE-6010S-10(180)
L2356472-01H	Amber 1000ml HCl preserved	A	<2	<2	3.9	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2356472-01I	Amber 1000ml HCl preserved	A	<2	<2	3.9	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2356472-02A	Vial HCl preserved	C	NA		4.9	Y	Absent		MCP-8260-21(14)
L2356472-02B	Vial HCl preserved	C	NA		4.9	Y	Absent		MCP-8260-21(14)
L2356472-02C	Vial HCl preserved	C	NA		4.9	Y	Absent		MCP-8260-21(14)
L2356472-02D	Vial HCl preserved	C	NA		4.9	Y	Absent		VPH-DELUX-18(14)
L2356472-02E	Vial HCl preserved	C	NA		4.9	Y	Absent		VPH-DELUX-18(14)
L2356472-02F	Vial HCl preserved	C	NA		4.9	Y	Absent		VPH-DELUX-18(14)

*Values in parentheses indicate holding time in days

Project Name: NUSTYLE
Project Number: 17356

Lab Number: L2356472
Report Date: 10/10/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2356472-02G	Plastic 250ml HNO3 preserved	C	<2	<2	4.9	Y	Absent		MCP-BE-6020S-10(180),MCP-CD-6010S-10(180),MCP-AG-6010S-10(180),MCP-SB-6020S-10(180),MCP-ZN-6010S-10(180),MCP-CR-6010S-10(180),MCP-AS-6010S-10(180),MCP-TL-6020S-10(180),MCP-BA-6010S-10(180),MCP-PB-6010S-10(180),MCP-SE-6010S-10(180),MCP-NI-6010S-10(180),MCP-V-6010S-10(180)
L2356472-02H	Amber 1000ml HCl preserved	C	<2	<2	4.9	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2356472-02I	Amber 1000ml HCl preserved	C	<2	<2	4.9	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2356472-03A	Vial HCl preserved	C	NA		4.9	Y	Absent		MCP-8260-21(14)
L2356472-03B	Vial HCl preserved	C	NA		4.9	Y	Absent		MCP-8260-21(14)
L2356472-03C	Vial HCl preserved	C	NA		4.9	Y	Absent		MCP-8260-21(14)
L2356472-03D	Vial HCl preserved	C	NA		4.9	Y	Absent		VPH-DELUX-18(14)
L2356472-03E	Vial HCl preserved	C	NA		4.9	Y	Absent		VPH-DELUX-18(14)
L2356472-03F	Vial HCl preserved	C	NA		4.9	Y	Absent		VPH-DELUX-18(14)
L2356472-03G	Plastic 250ml HNO3 preserved	C	<2	<2	4.9	Y	Absent		MCP-BE-6020S-10(180),MCP-CD-6010S-10(180),MCP-SB-6020S-10(180),MCP-AG-6010S-10(180),MCP-ZN-6010S-10(180),MCP-AS-6010S-10(180),MCP-CR-6010S-10(180),MCP-TL-6020S-10(180),MCP-BA-6010S-10(180),MCP-PB-6010S-10(180),MCP-NI-6010S-10(180),MCP-V-6010S-10(180),MCP-SE-6010S-10(180)
L2356472-03H	Amber 1000ml HCl preserved	C	<2	<2	4.9	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2356472-03I	Amber 1000ml HCl preserved	C	<2	<2	4.9	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2356472-04A	Vial HCl preserved	A	NA		3.9	Y	Absent		MCP-8260-21(14)
L2356472-04B	Vial HCl preserved	A	NA		3.9	Y	Absent		MCP-8260-21(14)
L2356472-04C	Vial HCl preserved	A	NA		3.9	Y	Absent		MCP-8260-21(14)
L2356472-04D	Vial HCl preserved	A	NA		3.9	Y	Absent		VPH-DELUX-18(14)
L2356472-04E	Vial HCl preserved	A	NA		3.9	Y	Absent		VPH-DELUX-18(14)
L2356472-04F	Vial HCl preserved	A	NA		3.9	Y	Absent		VPH-DELUX-18(14)

*Values in parentheses indicate holding time in days

Project Name: NUSTYLE
Project Number: 17356

Lab Number: L2356472
Report Date: 10/10/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2356472-04G	Plastic 250ml HNO3 preserved	A	<2	<2	3.9	Y	Absent		MCP-CD-6010S-10(180),MCP-BE-6020S-10(180),MCP-AG-6010S-10(180),MCP-SB-6020S-10(180),MCP-ZN-6010S-10(180),MCP-AS-6010S-10(180),MCP-CR-6010S-10(180),MCP-TL-6020S-10(180),MCP-BA-6010S-10(180),MCP-PB-6010S-10(180),MCP-V-6010S-10(180),MCP-NI-6010S-10(180),MCP-SE-6010S-10(180)
L2356472-04H	Amber 1000ml HCl preserved	A	<2	<2	3.9	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2356472-04I	Amber 1000ml HCl preserved	A	<2	<2	3.9	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2356472-05A	Vial HCl preserved	B	NA		4.7	Y	Absent		MCP-8260-21(14)
L2356472-05B	Vial HCl preserved	B	NA		4.7	Y	Absent		MCP-8260-21(14)
L2356472-05C	Vial HCl preserved	B	NA		4.7	Y	Absent		MCP-8260-21(14)
L2356472-05D	Vial HCl preserved	B	NA		4.7	Y	Absent		VPH-DELUX-18(14)
L2356472-05E	Vial HCl preserved	B	NA		4.7	Y	Absent		VPH-DELUX-18(14)
L2356472-05F	Vial HCl preserved	B	NA		4.7	Y	Absent		VPH-DELUX-18(14)
L2356472-05G	Plastic 250ml HNO3 preserved	B	<2	<2	4.7	Y	Absent		MCP-BE-6020S-10(180),MCP-CD-6010S-10(180),MCP-SB-6020S-10(180),MCP-AG-6010S-10(180),MCP-ZN-6010S-10(180),MCP-AS-6010S-10(180),MCP-TL-6020S-10(180),MCP-CR-6010S-10(180),MCP-BA-6010S-10(180),MCP-PB-6010S-10(180),MCP-NI-6010S-10(180),MCP-SE-6010S-10(180),MCP-V-6010S-10(180)
L2356472-05H	Amber 1000ml HCl preserved	B	<2	<2	4.7	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2356472-05I	Amber 1000ml HCl preserved	B	<2	<2	4.7	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2356472-06A	Vial HCl preserved	B	NA		4.7	Y	Absent		MCP-8260-21(14)
L2356472-06B	Vial HCl preserved	B	NA		4.7	Y	Absent		MCP-8260-21(14)
L2356472-06C	Vial HCl preserved	B	NA		4.7	Y	Absent		MCP-8260-21(14)
L2356472-06D	Vial HCl preserved	B	NA		4.7	Y	Absent		VPH-DELUX-18(14)
L2356472-06E	Vial HCl preserved	B	NA		4.7	Y	Absent		VPH-DELUX-18(14)
L2356472-06F	Vial HCl preserved	B	NA		4.7	Y	Absent		VPH-DELUX-18(14)

*Values in parentheses indicate holding time in days

Project Name: NUSTYLE
Project Number: 17356

Lab Number: L2356472
Report Date: 10/10/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2356472-06G	Plastic 250ml HNO3 preserved	B	<2	<2	4.7	Y	Absent		MCP-CD-6010S-10(180),MCP-BE-6020S-10(180),MCP-AG-6010S-10(180),MCP-SB-6020S-10(180),MCP-ZN-6010S-10(180),MCP-AS-6010S-10(180),MCP-CR-6010S-10(180),MCP-TL-6020S-10(180),MCP-BA-6010S-10(180),MCP-PB-6010S-10(180),MCP-SE-6010S-10(180),MCP-V-6010S-10(180),MCP-NI-6010S-10(180)
L2356472-06H	Amber 1000ml HCl preserved	B	<2	<2	4.7	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2356472-06I	Amber 1000ml HCl preserved	B	<2	<2	4.7	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2356472-07A	Vial HCl preserved	A	NA		3.9	Y	Absent		MCP-8260-21(14)
L2356472-07B	Vial HCl preserved	A	NA		3.9	Y	Absent		MCP-8260-21(14)
L2356472-07C	Vial HCl preserved	A	NA		3.9	Y	Absent		MCP-8260-21(14)
L2356472-07D	Vial HCl preserved	A	NA		3.9	Y	Absent		VPH-DELUX-18(14)
L2356472-07E	Vial HCl preserved	A	NA		3.9	Y	Absent		VPH-DELUX-18(14)
L2356472-07F	Vial HCl preserved	A	NA		3.9	Y	Absent		VPH-DELUX-18(14)
L2356472-07G	Plastic 250ml HNO3 preserved	A	<2	<2	3.9	Y	Absent		MCP-BE-6020S-10(180),MCP-CD-6010S-10(180),MCP-SB-6020S-10(180),MCP-AG-6010S-10(180),MCP-ZN-6010S-10(180),MCP-AS-6010S-10(180),MCP-TL-6020S-10(180),MCP-CR-6010S-10(180),MCP-BA-6010S-10(180),MCP-PB-6010S-10(180),MCP-SE-6010S-10(180),MCP-NI-6010S-10(180),MCP-V-6010S-10(180)
L2356472-07H	Amber 1000ml HCl preserved	A	<2	<2	3.9	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2356472-07I	Amber 1000ml HCl preserved	A	<2	<2	3.9	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2356472-08A	Vial HCl preserved	A	NA		3.9	Y	Absent		MCP-8260-21(14)
L2356472-08B	Vial HCl preserved	A	NA		3.9	Y	Absent		MCP-8260-21(14)
L2356472-08C	Vial HCl preserved	A	NA		3.9	Y	Absent		MCP-8260-21(14)
L2356472-08D	Vial HCl preserved	A	NA		3.9	Y	Absent		VPH-DELUX-18(14)
L2356472-08E	Vial HCl preserved	A	NA		3.9	Y	Absent		VPH-DELUX-18(14)
L2356472-08F	Vial HCl preserved	A	NA		3.9	Y	Absent		VPH-DELUX-18(14)

*Values in parentheses indicate holding time in days

Project Name: NUSTYLE
Project Number: 17356

Lab Number: L2356472
Report Date: 10/10/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2356472-08G	Plastic 250ml HNO3 preserved	A	<2	<2	3.9	Y	Absent		MCP-BE-6020S-10(180),MCP-CD-6010S-10(180),MCP-SB-6020S-10(180),MCP-AG-6010S-10(180),MCP-ZN-6010S-10(180),MCP-AS-6010S-10(180),MCP-CR-6010S-10(180),MCP-TL-6020S-10(180),MCP-BA-6010S-10(180),MCP-PB-6010S-10(180),MCP-SE-6010S-10(180),MCP-NI-6010S-10(180),MCP-V-6010S-10(180)
L2356472-08H	Amber 1000ml HCl preserved	A	<2	<2	3.9	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2356472-08I	Amber 1000ml HCl preserved	A	<2	<2	3.9	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2356472-09A	Vial HCl preserved	B	NA		4.7	Y	Absent		MCP-8260-21(14)
L2356472-09B	Vial HCl preserved	B	NA		4.7	Y	Absent		MCP-8260-21(14)
L2356472-09C	Vial HCl preserved	B	NA		4.7	Y	Absent		MCP-8260-21(14)
L2356472-09D	Vial HCl preserved	B	NA		4.7	Y	Absent		VPH-DELUX-18(14)
L2356472-09E	Vial HCl preserved	B	NA		4.7	Y	Absent		VPH-DELUX-18(14)
L2356472-09F	Vial HCl preserved	B	NA		4.7	Y	Absent		VPH-DELUX-18(14)
L2356472-09G	Plastic 250ml HNO3 preserved	B	<2	<2	4.7	Y	Absent		MCP-CD-6010S-10(180),MCP-BE-6020S-10(180),MCP-SB-6020S-10(180),MCP-AG-6010S-10(180),MCP-ZN-6010S-10(180),MCP-CR-6010S-10(180),MCP-TL-6020S-10(180),MCP-AS-6010S-10(180),MCP-BA-6010S-10(180),MCP-PB-6010S-10(180),MCP-NI-6010S-10(180),MCP-V-6010S-10(180),MCP-SE-6010S-10(180)
L2356472-09H	Amber 1000ml HCl preserved	B	<2	<2	4.7	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)
L2356472-09I	Amber 1000ml HCl preserved	B	<2	<2	4.7	Y	Absent		EPHD-GC-20(14),EPH-MS-20(14)

*Values in parentheses indicate holding time in days

Project Name:	NUSTYLE	**Lab Number:**	L2356472
Project Number:	17356	**Report Date:**	10/10/23

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	NUSTYLE	**Lab Number:**	L2356472
Project Number:	17356	**Report Date:**	10/10/23

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report

Project Name:	NUSTYLE	**Lab Number:**	L2356472
Project Number:	17356	**Report Date:**	10/10/23

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

Project Name:	NUSTYLE	**Lab Number:**	L2356472
Project Number:	17356	**Report Date:**	10/10/23

REFERENCES

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

131 Method for the Determination of Volatile Petroleum Hydrocarbons (VPH), MassDEP, February 2018, Revision 2.1 with QC Requirements & Performance Standards for the Analysis of VPH under the Massachusetts Contingency Plan, WSC-CAM-IVA, June 1, 2018.

135 Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), MassDEP, December 2019, Revision 2.1 with QC Requirements & Performance Standards for the Analysis of EPH under the Massachusetts Contingency Plan, WSC-CAM-IVB, March 1, 2020.

141 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA and IIB, November 2021.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

Date Rec'd in Lab: 9/26/23

ALPHA Job #: L2350472

ALPHA ANALYTICAL
8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Project Information
- Project Name: Nustyle
- Project Location: 21 Grove St, Franklin, MA
- Project #: 17356
- Project Manager: Dan Curran
- ALPHA Quote #:

Report Information - Data Deliverables
- ☐ ADEx
- ☒ EMAIL

Billing Information
- ☐ Same as Client info
- PO #:

Client Information
- Client: Verdantas LLC
- Address: 273 West Main St, Norton, MA
- Phone: 802-379-3399
- Email: dfcurran@verdantas.com

Regulatory Requirements & Project Information Requirements
- ☒ Yes ☐ No MA MCP Analytical Methods
- ☐ Yes ☐ No CT RCP Analytical Methods
- ☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
- ☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
- ☐ Yes ☐ No NPDES RGP
- ☐ Other State /Fed Program _____ Criteria S-1, S-2, S-3, GW-2, GW-3

Turn-Around Time
- ☒ Standard
- ☐ RUSH (only confirmed if pre-approved)
- Date Due:

Additional Project Information:
Metals were field filtered

ANALYSIS
- VOC: ☒ 8260 ☐ 624 ☐ 524.2
- SVOC: ☐ ABN ☐ PAH
- METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15
- METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13
- EPH: ☒ Ranges & Targets ☐ Ranges Only (Full, EPH Only + Targets)
- VPH: ☒ Ranges & Targets ☐ Ranges Only
- ☐ PCB ☐ PEST
- TPH: ☐ Quant Only ☐ Fingerprint
- Dissolved Metals MCP 13

SAMPLE INFO
- Filtration: ☒ Field ☐ Lab to do
- Preservation: ☐ Lab to do

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC	SVOC	METALS	METALS	EPH	VPH	PCB	TPH	Dissolved Metals MCP 13	Sample Comments	TOTAL # BOTTLES
5047201	MW-101S	9/25/23	9:25	GW	ED	X				X	X			X		9
02	MW-2	9/25/23	11:40	GW	ED	X				X	X			X		9
03	MW-201	9/25/23	1410	GW	JN	X				X	X			X		9
04	MW-201D	9/25/23	1500	GW	JN	X				X	X			X		9
05	MW-202D	9/25/23	1010	GW	JN	X				X	X			X		9
06	MW-203	9/25/23	1135	GW	JN	X				X	X			X		9
07	MW-203D	9/25/23	1250	GW	JN	X				X	X			X		9
08	MW-204	9/25/23	1440	GW	ED	X				X	X			X		9
09	MW-204D	9/25/23	1330	GW	ED	X				X	X			X		9

Container Type	✓															
Preservative																

Container Type: P= Plastic, A= Amber glass, V= Vial, G= Glass, B= Bacteria cup, C= Cube, O= Other, E= Encore, D= BOD Bottle

Preservative: A= None, B= HCl, C= HNO_3, D= H_2SO_4, E= NaOH, F= MeOH, G= $NaHSO_4$, H = $Na_2S_2O_3$, I= Ascorbic Acid, J = NH_4Cl, K= Zn Acetate, O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
AAL	9/26/23 1247	AAL	9/26/23 1247
	9/26/23 1910		9/26/23 1910

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

Method Blank Summary
Form 4
Volatiles

Client	: Verdantas	**Lab Number**	: L2356472
Project Name	: NUSTYLE	**Project Number**	: 17356
Lab Sample ID	: WG1836289-5	**Lab File ID**	: J231005A08
Instrument ID	: JACK2		
Matrix	: WATER	**Analysis Date**	: 10/05/23 07:03

Client Sample No.	Lab Sample ID	Analysis Date
WG1836289-3LCS	WG1836289-3	10/05/23 04:57
WG1836289-4LCSD	WG1836289-4	10/05/23 05:39
MW-101S	L2356472-01	10/05/23 11:17
MW-2	L2356472-02	10/05/23 11:59
MW-201	L2356472-03	10/05/23 12:41
MW-201D	L2356472-04	10/05/23 13:23
MW-203	L2356472-06	10/05/23 14:05
MW-204	L2356472-08	10/05/23 14:47
MW-203D	L2356472-07D	10/05/23 15:29
MW-202D	L2356472-05D	10/05/23 16:11

Method Blank Summary
Form 4
Volatiles

Client	: Verdantas	**Lab Number**	: L2356472
Project Name	: NUSTYLE	**Project Number**	: 17356
Lab Sample ID	: WG1837334-5	**Lab File ID**	: V16231006A05
Instrument ID	: VOA116		
Matrix	: WATER	**Analysis Date**	: 10/06/23 05:05

Client Sample No.	Lab Sample ID	Analysis Date
WG1837334-3LCS	WG1837334-3	10/06/23 03:30
WG1837334-4LCSD	WG1837334-4	10/06/23 03:53
MW-204D	L2356472-09	10/06/23 13:01

Calibration Verification Summary
Form 7
Volatiles

Client	: Verdantas		**Lab Number**	: L2356472	
Project Name	: NUSTYLE		**Project Number**	: 17356	
Instrument ID	: JACK2		**Calibration Date**	: 10/05/23 04:57	
Lab File ID	: J231005A02		**Init. Calib. Date(s)**	: 09/13/23	09/14/23
Sample No	: WG1836289-2		**Init. Calib. Times**	: 08:49	06:31
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	160	0
Dichlorodifluoromethane	0.538	0.517	-	3.9	20	140	0
Chloromethane	0.4	0.393	-	1.8	20	144	0
Vinyl chloride	0.612	0.725	-	-18.5	20	168	0
Bromomethane	10	7.812	-	21.9*	20	148	0
Chloroethane	0.423	0.496	-	-17.3	20	168	0
Trichlorofluoromethane	0.68	0.62	-	8.8	20	137	0
Ethyl ether	0.19	0.152	-	20	20	130	0
1,1-Dichloroethene	0.375	0.344	-	8.3	20	134	0
Carbon disulfide	1.064	1.056	-	0.8	20	146	0
Freon-113	0.424	0.39	-	8	20	135	0
Methylene chloride	0.389	0.369	-	5.1	20	147	0
Acetone	0.102	0.09	-	11.8	20	141	0
trans-1,2-Dichloroethene	0.416	0.377	-	9.4	20	138	0
Methyl acetate	0.235	0.176	-	25.1*	20	114	0
Methyl tert-butyl ether	1.05	0.733	-	30.2*	20	112	0
tert-Butyl alcohol	0.033	0.023	-	30.3*	20	114	0
Diisopropyl ether	1.081	0.921	-	14.8	20	135	0
1,1-Dichloroethane	0.725	0.694	-	4.3	20	139	0
Halothane	0.331	0.305	-	7.9	20	138	0
Acrylonitrile	0.103	0.082	-	20.4*	20	124	0
Ethyl tert-butyl ether	1.069	0.833	-	22.1*	20	128	0
Vinyl acetate	0.629	0.576	-	8.4	20	164	0
cis-1,2-Dichloroethene	0.451	0.405	-	10.2	20	136	0
2,2-Dichloropropane	0.654	0.565	-	13.6	20	132	0
Bromochloromethane	0.208	0.197	-	5.3	20	143	0
Cyclohexane	0.652	0.617	-	5.4	20	142	0
Chloroform	0.752	0.687	-	8.6	20	142	0
Ethyl acetate	0.3	0.242	-	19.3	20	128	0
Carbon tetrachloride	0.61	0.549	-	10	20	138	0
Tetrahydrofuran	0.112	0.086	-	23.2*	20	113	0
Dibromofluoromethane	0.316	0.326	-	-3.2	20	161	0
1,1,1-Trichloroethane	0.668	0.599	-	10.3	20	134	0
2-Butanone	0.137	0.108	-	21.2*	20	131	0
1,1-Dichloropropene	0.545	0.478	-	12.3	20	135	0
Benzene	1.598	1.44	-	9.9	20	143	0
tert-Amyl methyl ether	0.993	0.737	-	25.8*	20	121	0
1,2-Dichloroethane-d4	0.361	0.369	-	-2.2	20	164	0
1,2-Dichloroethane	0.539	0.483	-	10.4	20	136	0
Methyl cyclohexane	0.747	0.617	-	17.4	20	137	0
Trichloroethene	0.472	0.387	-	18	20	139	0
Dibromomethane	0.249	0.222	-	10.8	20	139	0
1,2-Dichloropropane	0.365	0.337	-	7.7	20	145	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Verdantas	**Lab Number**	: L2356472
Project Name	: NUSTYLE	**Project Number**	: 17356
Instrument ID	: JACK2	**Calibration Date**	: 10/05/23 04:57
Lab File ID	: J231005A02	**Init. Calib. Date(s)**	: 09/13/23 09/14/23
Sample No	: WG1836289-2	**Init. Calib. Times**	: 08:49 06:31
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.524	0.487	-	7.1	20	141	0
1,4-Dioxane	0.00363	0.00261*	-	28.1*	20	106	0
cis-1,3-Dichloropropene	0.572	0.514	-	10.1	20	142	0
Chlorobenzene-d5	1	1	-	0	20	152	0
Toluene-d8	1.141	1.217	-	-6.7	20	161	0
Toluene	1.033	0.973	-	5.8	20	139	0
4-Methyl-2-pentanone	0.116	0.093	-	19.8	20	119	0
Tetrachloroethene	0.46	0.405	-	12	20	132	0
trans-1,3-Dichloropropene	0.536	0.482	-	10.1	20	141	0
Ethyl methacrylate	0.417	0.305	-	26.9*	20	104	0
1,1,2-Trichloroethane	0.273	0.264	-	3.3	20	150	0
Chlorodibromomethane	0.413	0.372	-	9.9	20	143	0
1,3-Dichloropropane	0.542	0.495	-	8.7	20	141	0
1,2-Dibromoethane	0.345	0.299	-	13.3	20	137	0
2-Hexanone	0.221	0.181	-	18.1	20	116	0
Chlorobenzene	1.187	1.083	-	8.8	20	137	0
Ethylbenzene	2.076	1.921	-	7.5	20	137	0
1,1,1,2-Tetrachloroethane	0.414	0.367	-	11.4	20	137	0
p/m Xylene	0.905	0.79	-	12.7	20	136	0
o Xylene	0.864	0.766	-	11.3	20	139	0
Styrene	1.457	1.309	-	10.2	20	140	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	159	0
Bromoform	10	8.505	-	14.9	20	136	0
Isopropylbenzene	3.579	3.127	-	12.6	20	133	0
4-Bromofluorobenzene	0.738	0.75	-	-1.6	20	158	0
Bromobenzene	0.823	0.713	-	13.4	20	135	0
n-Propylbenzene	4.265	3.986	-	6.5	20	141	0
1,4-Dichlorobutane	0.847	0.713	-	15.8	20	127	0
1,1,2,2-Tetrachloroethane	0.681	0.674	-	1	20	152	0
4-Ethyltoluene	3.604	3.252	-	9.8	20	136	0
2-Chlorotoluene	2.802	2.65	-	5.4	20	141	0
1,3,5-Trimethylbenzene	3.072	2.883	-	6.2	20	141	0
1,2,3-Trichloropropane	0.558	0.52	-	6.8	20	142	0
trans-1,4-Dichloro-2-buten	0.206	0.158	-	23.3*	20	117	0
4-Chlorotoluene	2.482	2.363	-	4.8	20	144	0
tert-Butylbenzene	2.65	2.408	-	9.1	20	137	0
1,2,4-Trimethylbenzene	2.996	2.777	-	7.3	20	140	0
sec-Butylbenzene	3.982	3.787	-	4.9	20	141	0
p-Isopropyltoluene	3.475	3.205	-	7.8	20	140	0
1,3-Dichlorobenzene	1.723	1.613	-	6.4	20	145	0
1,4-Dichlorobenzene	1.75	1.576	-	9.9	20	142	0
p-Diethylbenzene	2.224	1.889	-	15.1	20	137	0
n-Butylbenzene	2.997	2.995	-	0.1	20	147	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Verdantas	**Lab Number**	: L2356472
Project Name	: NUSTYLE	**Project Number**	: 17356
Instrument ID	: JACK2	**Calibration Date**	: 10/05/23 04:57
Lab File ID	: J231005A02	**Init. Calib. Date(s)**	: 09/13/23 09/14/23
Sample No	: WG1836289-2	**Init. Calib. Times**	: 08:49 06:31
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichlorobenzene	1.598	1.494	-	6.5	20	146	0
1,2,4,5-Tetramethylbenzene	2.989	2.476	-	17.2	20	130	0
1,2-Dibromo-3-chloropropan	0.126	0.109	-	13.5	20	136	0
1,3,5-Trichlorobenzene	1.158	1.051	-	9.2	20	136	0
Hexachlorobutadiene	0.453	0.388	-	14.3	20	133	0
1,2,4-Trichlorobenzene	1.009	0.835	-	17.2	20	125	0
Naphthalene	2.636	2.134	-	19	20	124	0
1,2,3-Trichlorobenzene	0.917	0.774	-	15.6	20	130	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Verdantas		**Lab Number**	: L2356472	
Project Name	: NUSTYLE		**Project Number**	: 17356	
Instrument ID	: VOA116		**Calibration Date**	: 10/06/23 03:30	
Lab File ID	: V16231006A01		**Init. Calib. Date(s)**	: 10/03/23	10/03/23
Sample No	: WG1837334-2		**Init. Calib. Times**	: 04:59	08:57
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	95	0
Dichlorodifluoromethane	0.259	0.282	-	-8.9	20	102	0
Chloromethane	0.243	0.27	-	-11.1	20	109	0
Vinyl chloride	0.338	0.376	-	-11.2	20	104	0
Bromomethane	0.305	0.306	-	-0.3	20	98	0
Chloroethane	0.228	0.247	-	-8.3	20	104	0
Trichlorofluoromethane	0.275	0.294	-	-6.9	20	102	0
Ethyl ether	0.078	0.081	-	-3.8	20	97	0
1,1-Dichloroethene	0.174	0.175	-	-0.6	20	99	0
Carbon disulfide	0.579	0.577	-	0.3	20	98	0
Freon-113	0.197	0.197	-	0	20	101	0
Acrolein	0.023	0.025	-	-8.7	20	92	0
Methylene chloride	0.194	0.191	-	1.5	20	94	0
Acetone	10	12.002	-	-20	20	95	0
trans-1,2-Dichloroethene	0.195	0.197	-	-1	20	100	0
Methyl acetate	0.091	0.092	-	-1.1	20	98	0
Methyl tert-butyl ether	0.407	0.411	-	-1	20	95	0
tert-Butyl alcohol	0.011	0.012	-	-9.1	20	97	0
Diisopropyl ether	0.601	0.613	-	-2	20	100	0
1,1-Dichloroethane	0.348	0.36	-	-3.4	20	97	0
Halothane	0.151	0.155	-	-2.6	20	96	0
Acrylonitrile	10	10.113	-	-1.1	20	95	0
Ethyl tert-butyl ether	0.535	0.528	-	1.3	20	96	0
Vinyl acetate	0.364	0.346	-	4.9	20	102	0
cis-1,2-Dichloroethene	0.212	0.209	-	1.4	20	94	0
2,2-Dichloropropane	0.289	0.299	-	-3.5	20	101	0
Bromochloromethane	0.101	0.1*	-	1	20	91	0
Cyclohexane	0.346	0.349	-	-0.9	20	99	0
Chloroform	0.342	0.327	-	4.4	20	85	0
Ethyl acetate	0.136	0.142	-	-4.4	20	99	0
Carbon tetrachloride	10	10.608	-	-6.1	20	97	0
Tetrahydrofuran	10	10.687	-	-6.9	20	93	0
Dibromofluoromethane	0.309	0.304	-	1.6	20	96	0
1,1,1-Trichloroethane	0.302	0.307	-	-1.7	20	94	0
2-Butanone	0.058	0.055	-	5.2	20	90	0
1,1-Dichloropropene	0.267	0.276	-	-3.4	20	98	0
Benzene	0.744	0.748	-	-0.5	20	95	0
tert-Amyl methyl ether	0.513	0.473	-	7.8	20	95	0
1,2-Dichloroethane-d4	0.3	0.279	-	7	20	92	0
1,2-Dichloroethane	0.234	0.241	-	-3	20	93	0
Methyl cyclohexane	10	9.4	-	6	20	98	0
Trichloroethene	0.221	0.201	-	9	20	91	0
Dibromomethane	0.117	0.113	-	3.4	20	91	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Verdantas	**Lab Number**	: L2356472
Project Name	: NUSTYLE	**Project Number**	: 17356
Instrument ID	: VOA116	**Calibration Date**	: 10/06/23 03:30
Lab File ID	: V16231006A01	**Init. Calib. Date(s)**	: 10/03/23 10/03/23
Sample No	: WG1837334-2	**Init. Calib. Times**	: 04:59 08:57
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.204	0.195	-	4.4	20	94	0
2-Chloroethyl vinyl ether	0.104	0.107	-	-2.9	20	93	0
Bromodichloromethane	0.294	0.282*	-	4.1	20	90	0
1,4-Dioxane	0.00108	0.00134*	-	-24.1*	20	108	0
cis-1,3-Dichloropropene	0.306	0.279*	-	8.8	20	91	0
Chlorobenzene-d5	1	1	-	0	20	94	0
Toluene-d8	1.212	1.233	-	-1.7	20	94	0
Toluene	0.524	0.521	-	0.6	20	94	0
4-Methyl-2-pentanone	0.055	0.054	-	1.8	20	90	0
Tetrachloroethene	0.244	0.247	-	-1.2	20	97	0
trans-1,3-Dichloropropene	0.309	0.298*	-	3.6	20	94	0
Ethyl methacrylate	0.196	0.19	-	3.1	20	92	0
1,1,2-Trichloroethane	0.148	0.146*	-	1.4	20	95	0
Chlorodibromomethane	0.233	0.227	-	2.6	20	95	0
1,3-Dichloropropane	0.289	0.281	-	2.8	20	92	0
1,2-Dibromoethane	0.174	0.173*	-	0.6	20	94	0
2-Hexanone	10	10.199	-	-2	20	89	0
Chlorobenzene	0.623	0.608	-	2.4	20	94	0
Ethylbenzene	1.063	1.022	-	3.9	20	93	0
1,1,1,2-Tetrachloroethane	0.247	0.23	-	6.9	20	92	0
p/m Xylene	20	19.715	-	1.4	20	94	0
o Xylene	0.425	0.385	-	9.4	20	93	0
Styrene	20	18.706	-	6.5	20	92	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	95	0
Bromoform	0.289	0.246	-	14.9	20	91	0
Isopropylbenzene	1.993	1.912	-	4.1	20	93	0
4-Bromofluorobenzene	0.726	0.731	-	-0.7	20	93	0
Bromobenzene	0.465	0.457	-	1.7	20	95	0
n-Propylbenzene	2.345	2.247	-	4.2	20	92	0
1,4-Dichlorobutane	0.454	0.422	-	7	20	88	0
1,1,2,2-Tetrachloroethane	0.393	0.373	-	5.1	20	90	0
4-Ethyltoluene	1.92	1.848	-	3.7	20	94	0
2-Chlorotoluene	1.494	1.391	-	6.9	20	92	0
1,3,5-Trimethylbenzene	1.616	1.514	-	6.3	20	92	0
1,2,3-Trichloropropane	0.289	0.266	-	8	20	88	0
trans-1,4-Dichloro-2-buten	0.098	0.095	-	3.1	20	96	0
4-Chlorotoluene	1.295	1.238	-	4.4	20	92	0
tert-Butylbenzene	1.434	1.379	-	3.8	20	93	0
1,2,4-Trimethylbenzene	1.577	1.465	-	7.1	20	90	0
sec-Butylbenzene	2.131	2.064	-	3.1	20	94	0
p-Isopropyltoluene	2.118	2.056	-	2.9	20	93	0
1,3-Dichlorobenzene	0.94	0.88	-	6.4	20	93	0
1,4-Dichlorobenzene	0.94	0.895	-	4.8	20	93	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Verdantas		**Lab Number**	: L2356472	
Project Name	: NUSTYLE		**Project Number**	: 17356	
Instrument ID	: VOA116		**Calibration Date**	: 10/06/23 03:30	
Lab File ID	: V16231006A01		**Init. Calib. Date(s)**	: 10/03/23	10/03/23
Sample No	: WG1837334-2		**Init. Calib. Times**	: 04:59	08:57
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.112	1.038	-	6.7	20	92	0
n-Butylbenzene	1.585	1.495	-	5.7	20	91	0
1,2-Dichlorobenzene	0.845	0.795	-	5.9	20	92	0
1,2,4,5-Tetramethylbenzene	1.591	1.435	-	9.8	20	90	0
1,2-Dibromo-3-chloropropan	0.058	0.059	-	-1.7	20	93	0
1,3,5-Trichlorobenzene	0.614	0.558	-	9.1	20	88	0
Hexachlorobutadiene	10	10.6	-	-6	20	92	0
1,2,4-Trichlorobenzene	0.565	0.495	-	12.4	20	90	0
Naphthalene	1.232	1.161	-	5.8	20	86	0
1,2,3-Trichlorobenzene	0.477	0.437	-	8.4	20	86	0

* Value outside of QC limits.

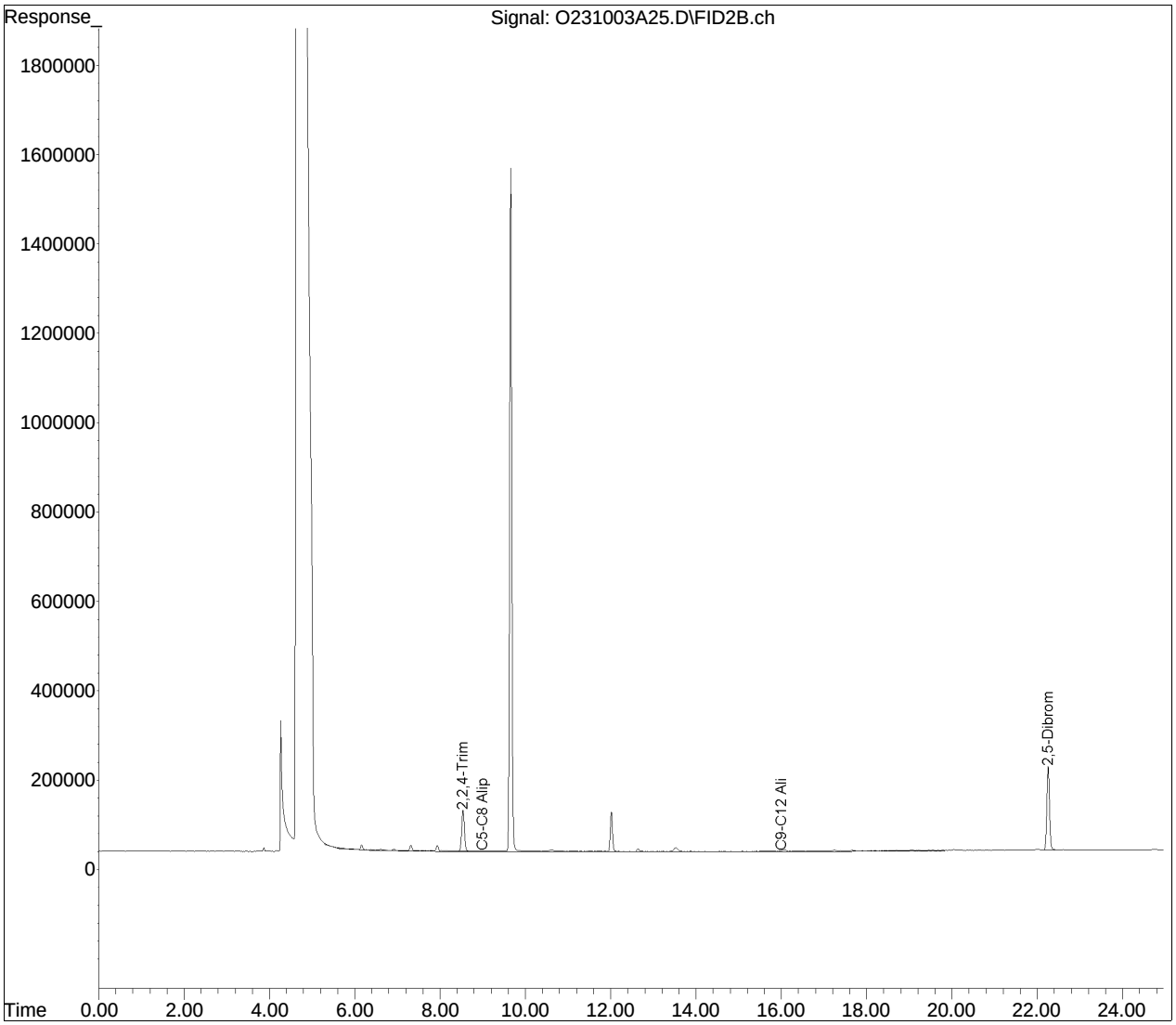
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES_GC\OVPH\2023\231003Aali\
Data File : O231003A25.D
Signal(s) : FID2B.ch
Acq On : 3 Oct 2023 11:52 pm
Operator : OVPH:BAD
Sample : L2356472-05,41,5.0,5,,D
Misc : WG1836079,ICAL20206
ALS Vial : 25 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 04 15:46:42 2023
Quant Method : I:\VOLATILES_GC\OVPH\2023\231003Aali\vph-ali230726B.m
Quant Title : VPH ALIPHATIC
QLast Update : Thu Jul 27 09:41:02 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

Sub List : Default - All compounds listed



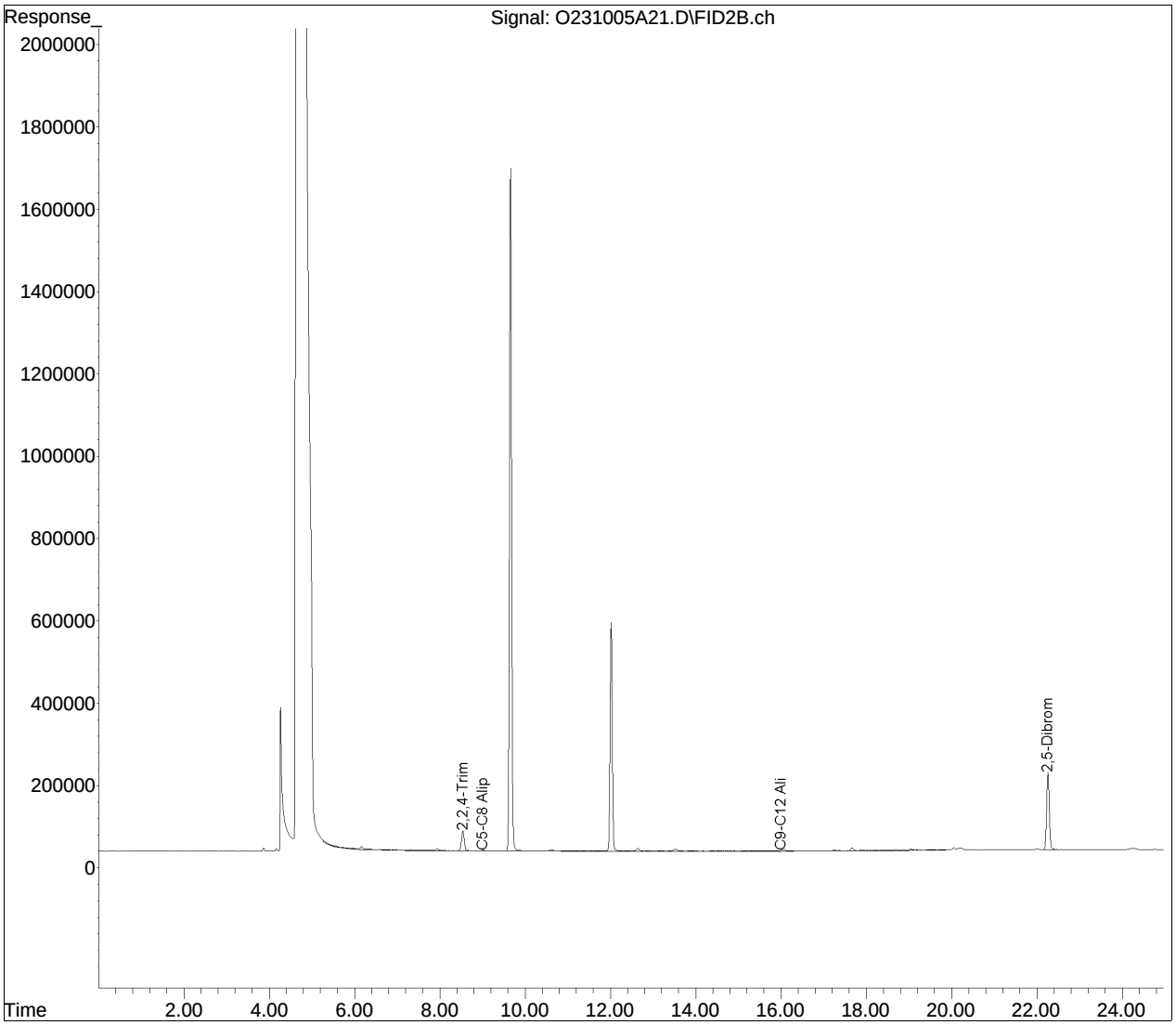
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES_GC\OVPH\2023\231005Aali\
Data File : O231005A21.D
Signal(s) : FID2B.ch
Acq On : 5 Oct 2023 8:46 pm
Operator : OVPH:BAD
Sample : L2356472-07d,41,2.5,5,,F
Misc : WG1836566,ICAL20206
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 06 10:36:53 2023
Quant Method : I:\VOLATILES_GC\OVPH\2023\231005Aali\vph-ali230726B.m
Quant Title : VPH ALIPHATIC
QLast Update : Thu Jul 27 09:41:02 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

Sub List : Default - All compounds listed



APPENDIX H

PUBLIC NOTIFICATION LETTER

February 28, 2024 Verdantas Project 17356

Jamie Hellen
Town Administrator
Franklin Municipal Building
355 East Central Street
Franklin, MA 02038

Cathleen Liberty, MPH
Franklin Health Department
Franklin Municipal Building
355 East Central Street
Franklin, MA 02038

Re: Phase II Comprehensive Site Assessment Report
Former Nu-Style Property
Franklin, Massachusetts
MassDEP Release Tracking Number: 2-16694

As required by the Massachusetts Contingency Plan (MCP), notice is hereby given that a Phase II Comprehensive Site Assessment Report has been submitted electronically to the Massachusetts Department of Environmental Protection (MassDEP) for the above referenced site. The report can be viewed on-line by searching for the MassDEP Release Tracking Number using the Massachusetts' Department of Energy and Environmental Affairs Data Portal (https://eeaonline.eea.state.ma.us/Portal/#!/wastesite/2-0016694). You may also contact MassDEP's Central Regional Office located at 8 New Bond Street in Worcester, Massachusetts (508-792-7650).

If you have any questions, please contact our office at 508-226-1800.

Sincerely,
VERDANTAS LLC



Tracey A. Costa, LSP, CHMM, TURP, ENV-SP, LEED Green Associate
AVP/ Northeast Brownfields Leader